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Empty enclosures for modular equipment

Plastic and distribution empty enclosures

KMPn Modular plastic empty enclosures for MCB, IP30 (IP20), IP31

KMPn series empty enclosures notable for their modern design and streamlined forms are suitable for any interior. They can be installed in residential and office premises.



Advantages

- Made of self-extinguishing polymers.
- Protected from electricity stealing and unauthorized access to the contact group.
- Empty enclosures can be sealed.
- Fast and easy mounting.
- Simple cable introduction through snap off holes.
- Possibility to install several empty enclosures in a row.

Technical Features

Mounting	surface
Protection degree	IP30 (IP20 without cover), IP31
Protection class	II
Body material	polystyrene
Door material	polystyrol
Color	RAL 9016
Number of rows	1
Number of modules	from 2 to 9
Rated voltage, V	400
Rated frequency, Hz	50
Rated current, A	63
Operating temperature, °C	from -20°C to +80°C

Overall and installation dimensions	Name	Package amount	Product ID
	KMPn 1/2 surface distribution empty enclosure Type: 1 row, 2 modules	252	MKP31-N-02-30-252
	KMPn 1/4 surface distribution empty enclosure Type: 1 row, 4 modules	135	MKP31-N-04-30-135
	KMPn 2/2 surface distribution empty enclosure Type: 1 row, 2 modules	160	MKP42-N-02-30-20
	KMPn 2/4 surface distribution empty enclosure Type: 1 row, 4 modules	96	MKP42-N-04-30-12
	KMPn 2/6 surface distribution empty enclosure Type: 1 row, 6 modules	72	MKP42-N-06-30-09
	KMPn 2/9-1 surface distribution empty enclosure Type: 1 row, 9 modules KMPn 2/9-2 surface distribution empty enclosure Type: 1 row, 9 modules N/PE busbar: 8×10 mm ² – 1 pc. (in individual package)	32 32	MKP42-N-09-31-01 MKP42-N-09-31-02

KMPv modular metal-door plastic empty enclosures, IP30

Fitted empty enclosures are for installation in residential and office rooms. These empty enclosures are notable for their unique construction ensuring convenience, fast mounting and suitability for any interior.



Advantages

- Wide range of various accessories ensuring easy and fast mounting.
- Protected from electricity stealing thanks to the possibility of sealing.
- Metal door is protected from corrosion owing to phosphatization and powder paint coating.
- Easily changing neutral buses support position.
- Universal packaging.
- Simple cable input thanks to the availability of easily dismountable side panels.
- Special empty enclosures construction provides for balancing the irregularities of surface intended for the empty enclosures mounting within 18 mm.

Technical Features:

Mounting	flush
Protection degree	IP30
Protection class	II
Body material	polystyrol
Door material	steel
Color	RAL 9016
Number of rows	from 1 to 4
Number of modules	from 14 to 56
Rated voltage, V	400
Rated frequency, Hz	50
Rated current, A	63

Advantages



Door and frame made from a steel sheet are corrosion-resistant and covered with powder paint coating.



Possibility to install detachable panels in the center for the avoidance of loss during the mounting.



Sealing holes protect from unauthorized access.



Optional installation of support with N and PE buses both from top and on bottom.



Convenient cable input thanks to the availability of a dismountable side panel.



Mounting accessories provide for time saving and fast mounting.



During the implementation of works, cables can be fixed on a special hook.



Packaging is provided with special marks helping to install the empty enclosure into the bay with great precision.

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Configuration



Marking clamps



Fitting frames. Bolt screws and plastic dowels.

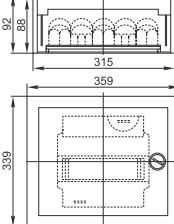
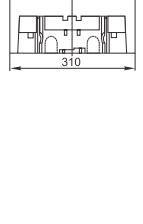
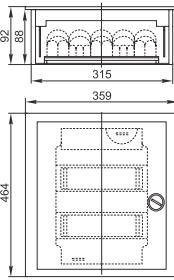
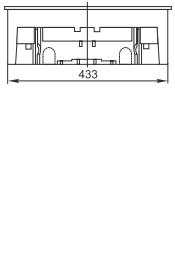
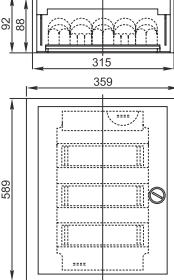
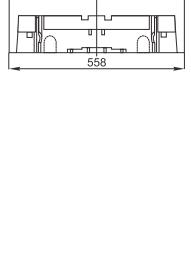
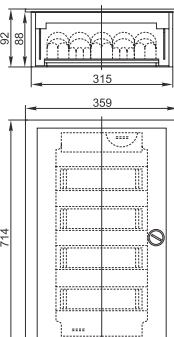
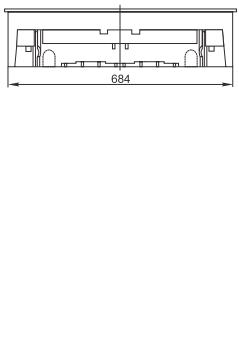


DIN-rails and support with N and PE buses.



Manual, marking sheet.

Range

Overall and installation dimensions	Name	Package amount	Product ID
	  <p>KMPv 4/14 flush metal-door plastic empty enclosure. Type: 1 row, 14 modules. N and PE buses. $13 \times 16 \text{ mm}^2$ - 2 pcs Weight: 2,088 kg</p>	1	MKP54-V-14-30-01
	  <p>KMPv 4/28 flush metal-door plastic empty enclosure. Type: 2 rows, 28 modules. N and PE buses. $17 \times 16 \text{ mm}^2$ - 2 pcs Weight: 2,838 kg</p>	1	MKP54-V-28-30-01
	  <p>KMPv 4/42 flush metal-door plastic empty enclosure. Type: 3 rows, 42 modules. N and PE buses. $27 \times 16 \text{ mm}^2$ - 2 pcs Weight: 3,6 kg</p>	1	MKP54-V-42-30-01
	  <p>KMPv 4/56 flush metal-door plastic empty enclosure. Type: 4 rows, 56 modules. N and PE buses. $27 \times 16 \text{ mm}^2$ - 2 pcs Weight: 4,6 kg</p>	1	MKP54-V-56-30-01

SCHRН(V)-P modular plastic empty enclosures, IP41

These empty enclosures are in residential and office rooms. SCHRН(V)-P are intended for installation of modular devices: MCB, RCD, RCBO, timers, lighting control equipment etc.

Stable modern construction, sturdy plastic and convenient fixtures guarantee long service life and operation safety.

Correspond to the requirements EN 62208



4

Advantages

- Impact-resistant self-extinguishing ABS-plastic.
- Fast and easy mounting – holes for case fastening.
- Convenient mounting – preliminarily stamped lead-ins for joining cables from all directions.
- Universal screws suitable for any driver type.
- Special support for N and PE buses made of self-extinguishing plastic (at 960 °C).
- Widened space between the DIN-rail and back wall of the empty enclosure base.

Technical Features

Mounting	flush, surface
Protection degree	IP41
Protection class	II
Body material	ABS-plastic
Door material	polystyrol
Color	RAL 9016
Number of rows	from 1 to 3
Number of modules	from 4 to 36
Rated voltage, V	400
Rated frequency, Hz	50
Rated current, A	63
Operating temperature, °C	-20...+80
Impact resistance	IK05 (0,7J)

Advantages



Simple cable input through the stamped lead-ins on the side and back empty enclosure panels.



Vertical empty enclosure position provides for convenient mounting and additional air flow.



There is no need to write directly on the breakers. Special marking band is supplied.



Individual packaging not only protects the case from mechanical impact but also informs the consumer on IEK® products advantages.



Special support for N and PE can be easily dismounted and installed both in the upper and lower parts of the box base. This support is made of self-extinguishing material (even at 960 °C).



Full box set ensures easy and fast installation.



Exact leaning and secured wall mounting are ensured by the fastening points with indicated sizes between them.



Universal anodized screw-bolts are corrosion-resistant and suitable for any driver type.

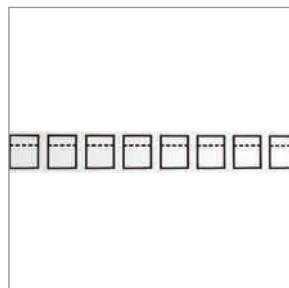
Configuration



DIN-rails



Support with N and PE buses.



Marking band.

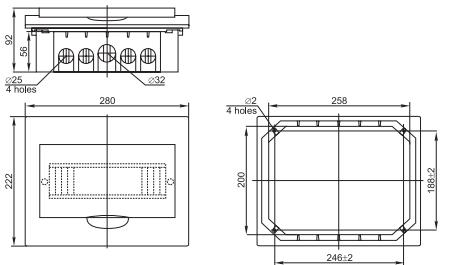
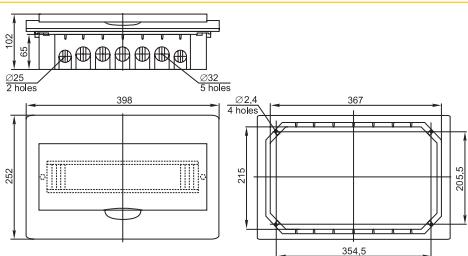
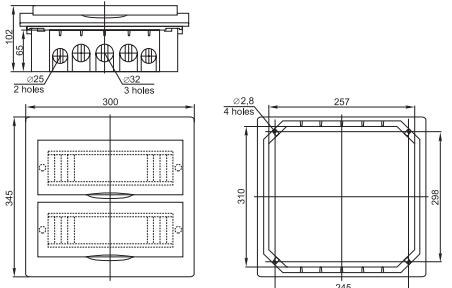
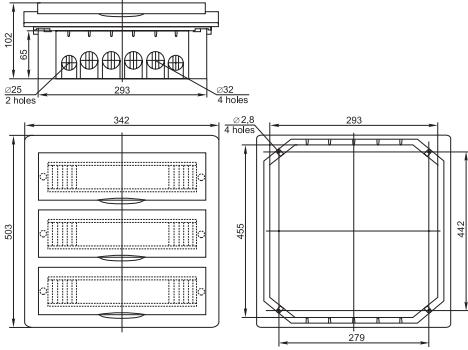


Screw-bolts and plastic dowels.

Range

Overall and installation dimensions	Name	Package amount	Product ID
	SCHRN-P-4 surface plastic empty enclosure. Type: 1 row, 4 modules. N/PE bus: $4 \times 10 \text{ mm}^2$ – 1 pcs Weight: 0,32 kg	20	MKP12-N-04-40-20
	SCHRN-P-6 surface plastic empty enclosure. Type: 1 row, 6 modules. N/PE bus: $6 \times 10 \text{ mm}^2$ – 1 pcs Weight: 0,43 kg	20	MKP12-N-06-40-20
	SCHRN-P-8 surface plastic empty enclosure. Type: 1 row, 8 modules. N/PE bus: $8 \times 10 \text{ mm}^2$ – 1 pcs Weight: 0,49 kg	20	MKP12-N-08-40-20
	SCHRN-P-12 surface plastic empty enclosure. Type: 1 row, 12 modules. N and PE buses: $4 \times 10 \text{ mm}^2$ – 1 pcs; $8 \times 10 \text{ mm}^2$ – 1 pcs Weight: 0,65 kg	10	MKP12-N-12-40-10
	SCHRN-P-18 surface plastic empty enclosure. Type: 1 row, 18 modules. N and PE buses: $3 \times 10 \text{ mm}^2$ – 1 pcs; $8 \times 10 \text{ mm}^2$ – 2 pcs Weight: 0,93 kg	10	MKP12-N-18-40-10

Overall and installation dimensions	Name	Package amount	Product ID
	SCHRN-P-24 surface plastic empty enclosure. Type: 2 rows, 24 modules. N and PE buses: $4 \times 10 \text{ mm}^2$ - 2 pcs; $8 \times 10 \text{ mm}^2$ - 2 pcs Weight: 1,17 kg	10	MKP12-N-24-40-10
	SCHRN-P-36 surface plastic empty enclosure. Type: 3 rows, 36 modules. N and PE buses: $4 \times 10 \text{ mm}^2$ - 1 pcs; $8 \times 10 \text{ mm}^2$ - 4 pcs Weight: 1,92 kg	5	MKP12-N-36-40-05
	SCHRV-P-4 flush plastic empty enclosure. Type: 1 row, 4 modules. N/PE bus: $4 \times 10 \text{ mm}^2$ - 1 pcs Weight: 0,36 kg	20	MKP12-V-04-40-20
	SCHRV-P-6 flush plastic empty enclosure. Type: 1 row, 6 modules. N/PE bus: $6 \times 10 \text{ mm}^2$ - 1 pcs Weight: 0,41 kg	20	MKP12-V-06-40-20
	SCHRV-P-8 flush plastic empty enclosure. Type: 1 row, 8 modules. N/PE bus: $8 \times 10 \text{ mm}^2$ - 1 pcs Weight: 0,49 kg	20	MKP12-V-08-40-20

Overall and installation dimensions	Name	Package amount	Product ID
 	SCHRV-P-12 surface plastic empty enclosure. Type: 1 row, 12 modules. N and PE buses: $4 \times 10 \text{ mm}^2$ – 1 pcs; $8 \times 10 \text{ mm}^2$ – 1 pcs Weight: 0,62 kg	10	MKP12-V-12-40-10
 	SCHRV-P-18 surface plastic empty enclosure. Type: 1 row, 18 modules. N and PE buses: $3 \times 10 \text{ mm}^2$ – 1 pcs; $8 \times 10 \text{ mm}^2$ – 2 pcs Weight: 0,96 kg	10	MKP12-V-18-40-10
 	SCHRV-P-24 flush plastic empty enclosure. Type: 2 rows, 24 modules. N and PE buses: $4 \times 10 \text{ mm}^2$ – 2 pcs; $8 \times 10 \text{ mm}^2$ – 2 pcs Weight: 1,11 kg	10	MKP12-V-24-40-10
 	SCHRV-P-36 flush plastic empty enclosure. Type: 3 rows, 36 modules. N and PE buses: $4 \times 10 \text{ mm}^2$ – 1 pcs; $8 \times 10 \text{ mm}^2$ – 4 pcs Weight: 1,85 kg	5	MKP12-V-36-40-05

SCHRН(V)-P modular plastic empty enclosures of PRIME series, IP41

SCHRН(V)-P IP41 plastic enclosures of PRIME series are used in residential and office premises. They are designed for installation of modular devices: circuit breakers, RCCBs, RCBOs, timers, lighting control devices, etc.

The enclosure and its components design facilitate as much as possible its assembly and mounting. Due to unique appearance style, the enclosure perfectly fits any interior.

Correspond to the requirements EN 62208



Made in
Russia

Advantages

- Stylish and ergonomic design.
- Fully equipped, ready for assembling.
- Safe support for N/PE busbars.
- Convenient latch for locking of the door.
- DIN rail with adjustable depth of installation.
- Options of door hinges location.
- Sealable enclosure.
- Breakout openings for input of various diameter cables, cable channel also can be inserted into the enclosure (for surface-mounted models).

Technical characteristics

Type of mounting	surface, flush
	IP41
Degree of protection	II
Class of protection	ABS plastic
Casing material	polycarbonate
Door material	RAL 9010
Enclosure color	1 to 3
Number of rows	4 to 36
Number of modules	400
Rated voltage, V	50
Rated frequency, Hz	100
Rated current, A	-20...+85
Operating temperature, °C	U3
Climatic version	
Impact strength	IK05 (0.7 J)

Design features



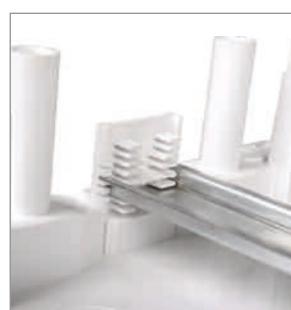
Safe support for N/PE busbars with latches



A cable channel and tubes of various diameters can be brought into the enclosure using a special insert.



The enclosure can be sealed by means of plastic screw.



Support for DIN rail of stepped type to ensure installation of DIN rail with adjustable depth.



Convenient door lock with push mechanism.



Impressive and informative individual package.



Easy installation due to enclosure base without side walls in surface-mounted models.



Ribbed stiffeners ensure robustness for the enclosure construction.

Scope of supply



DIN rail



Latching lock and blank insert for the lock



Plastic screws, wall plugs



Plastic blank covers for mounting holes



N/PE busbars, support for N/PE busbars



Stepped holders for DIN rail

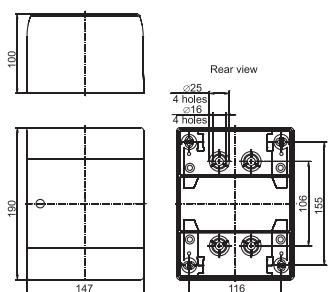
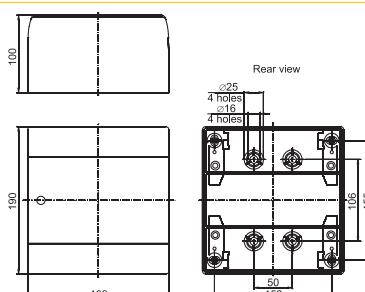
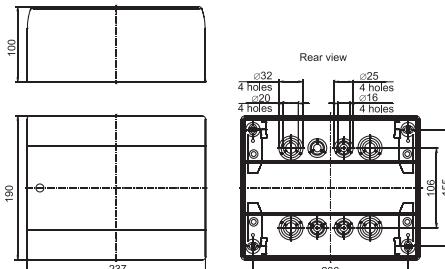
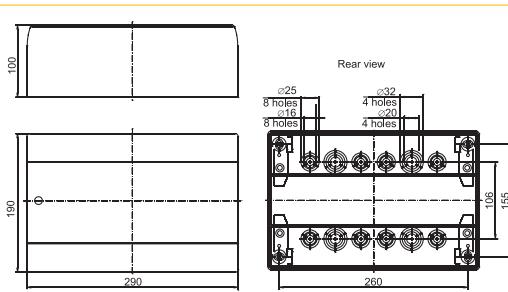
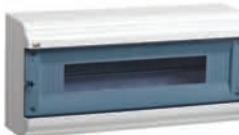
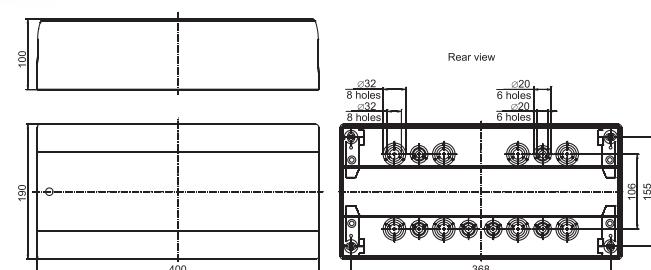


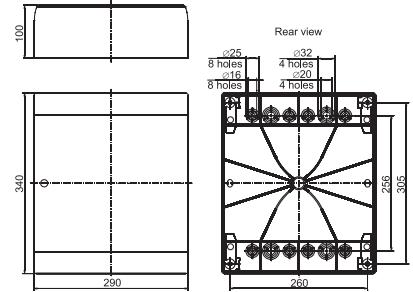
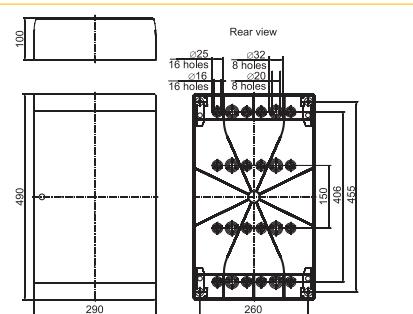
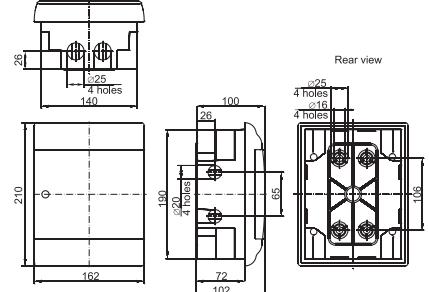
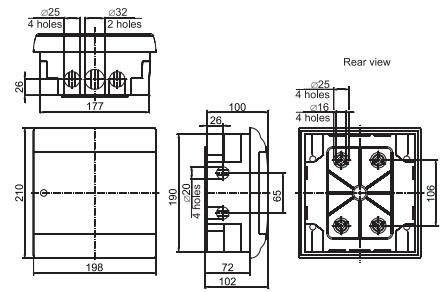
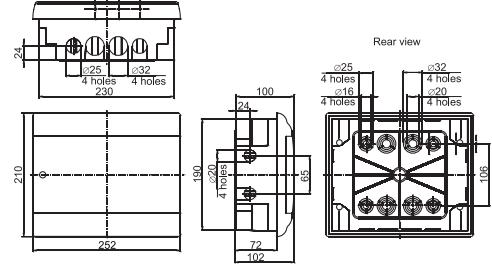
Insert for SCHRН enclosures



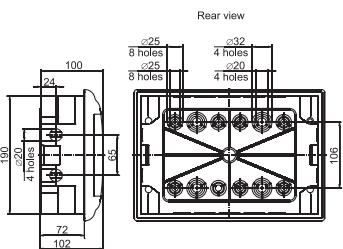
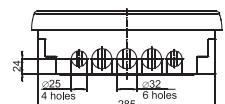
Marking band

Products' range

	Overall and installation dimensions	Description	Qty in packing	Product ID
		SCHRN-P-4 PRIME enclosure Size: 1 row, 4 modules, surface-mounted N/PE busbar: 649 mm 6/2 - 1 pc. Weight: 0.47 kg	20	MKP82-N-04-41-20
		SCHRN-P-6 PRIME enclosure Size: 1 row, 6 modules, surface-mounted N/PE busbars: 649 mm 4/2 - 2 pcs. Weight: 0.56 kg	20	MKP82-N-06-41-20
		SCHRN-P-9 PRIME enclosure Size: 1 row, 9 modules, surface-mounted N/PE busbars: 649 mm 4/2 - 1 pc. 649 mm 6/2 - 1 pc. Weight: 0.68 kg	20	MKP82-N-09-41-20
		SCHRN-P-12 PRIME enclosure Size: 1 row, 12 modules, surface-mounted N/PE busbars: 649 mm 4/2 - 1 pc. 649 mm 10/2 - 1 pc. Weight: 0.79 kg	10	MKP82-N-12-41-10
		SCHRN-P-18 PRIME enclosure Size: 1 row, 18 modules, surface-mounted N/PE busbars: 649 mm 10/2 - 2 pcs. Weight: 1.00 kg	10	MKP82-N-18-41-10

Overall and installation dimensions	Description	Qty in packing	Product ID
 	SCHRN-P-24 PRIME enclosure Size: 2 rows, 24 modules, surface-mounted N/PE busbars: 649 mm 4/2 - 2 pcs. 649 mm 10/2 - 2 pcs. Weight: 1.21 kg	10	MKP82-N-24-41-10
 	SCHRN-P-36 PRIME enclosure Size: 3 rows, 36 modules, surface-mounted N/PE busbars: 649 mm 8/2 - 1 pcs. 649 mm 10/2 - 3 pcs. Weight: 1.67 kg	5	MKP82-N-36-41-05
 	SCHRV-P-4 PRIME enclosure Size: 1 row, 4 modules, flush-mounted N/PE busbar: 649 mm 6/2 - 1 pc. Weight: 0.44 kg	20	MKP82-V-04-41-20
 	SCHRV-P-6 PRIME enclosure Size: 1 row, 6 modules, flush-mounted N/PE busbars: 649 mm 4/2 - 2 pcs. Weight: 0.53 kg	20	MKP82-V-06-41-20
 	SCHRV-P-9 PRIME enclosure Size: 1 row, 9 modules, flush-mounted N/PE busbars: 649 mm 4/2 - 1 pc. 649 mm 6/2 - 1 pc. Weight: 0.64 kg	20	MKP82-V-09-41-20

Overall and installation dimensions

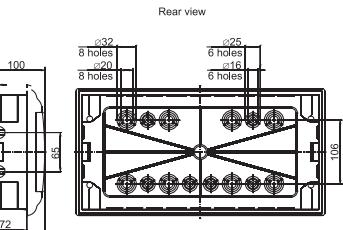
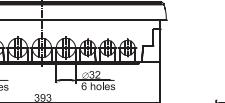


Description

Qty in packing Product ID

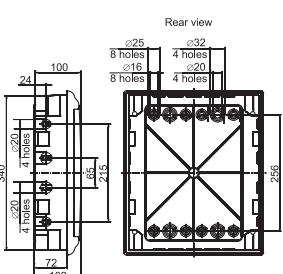
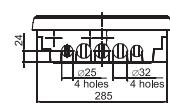
10 MKP82-V-12-41-10

SCHR-P-12 PRIME enclosure
Size:
1 row, 12 modules,
flush-mounted
N/PE busbars:
649 mm 4/2 - 1 pc.
649 mm 10/2 - 1 pc.
Weight: 0.75 kg



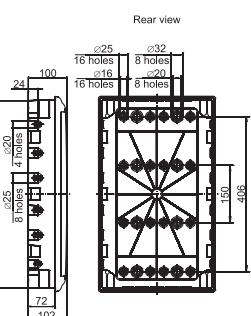
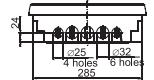
SCHR-P-18 PRIME enclosure
Size:
1 row, 18 modules,
flush-mounted
N/PE busbars:
649 mm 10/2 - 2 pcs.
Weight: 0.98 kg

10 MKP82-V-18-41-10



SCHR-P-24 PRIME enclosure
Size:
2 rows, 24 modules,
flush-mounted
N/PE busbars:
649 mm 4/2 - 2 pcs.
649 mm 10/2 - 2 pcs.
Weight: 1.25 kg

10 MKP82-V-24-41-10



SCHR-P-36 PRIME enclosure
Size:
3 rows, 36 modules,
flush-mounted
N/PE busbars:
649 mm 8/2 - 1 pc.
649 mm 10/2 - 3 pcs.
Weight: 1.73 kg

5 MKP82-V-36-41-05

KMPn modular plastic empty enclosures, IP55

These empty enclosures can be installed in rooms with high humidity level, prominently dusty areas or in the open air. KMPn are excellent for using in garages, car washes, basements, laboratories, workshops etc.

Correspond to the requirements EN 62208



4

Advantages

- Empty enclosures are notable for their high strength level. They can sustain smashes done with 6J (IK08).
- Self-extinguishing plastic (filament heater test at 750 °C).
- Widened space between the DIN-rail and back empty enclosure wall (from 20 to 35 mm).
- Widened space between various DIN-rails (from 125 to 130 mm) ensures convenient mounting and cabling.
- Availability of breakaway holes for cable laying.
- Possibility to hang the doors from each side (left/right installation).
- Plastic screws facilitate the installation.
- Protection from unauthorized access – holes for sealing.
- Stepped configuration of N and PE bus holder.

Technical Features

Mounting	surface
Protection degree	IP55
Protection class	II
Body material	ABS-plastic
Door material	polycarbonate
Color	RAL 9010
Number of rows	from 1 to 3
Number of modules	from 5 to 57
Rated voltage, V	under 400
Rated frequency, Hz	50
Rated current, A	63
Operating temperature, °C	-20...+70
Impact resistance	IK08 (6J)

Advantages



Captive screws for fast fixation by 1 turns. It saves the installation time.



Possibility to install an additional stepped holder for N and PE buses.



Option of changing the door opening direction. When slightly pressed, the door is easily taken off the brackets and installed on the other side.



Convenient mounting and cabling: wide space between the DIN-rail and back wall (from 20 to 35 mm). Distance between the different DIN-rails ranges from 125 to 130 mm.



Convenient plastic lock. Possibility of changing it to a metal one.



Empty enclosure encapsulation is ensured owing to the availability of a special gasket and additional glands.



Sealing hole provided for preventing unauthorized access and contact with a terminal group.

Configuration



DIN-rails



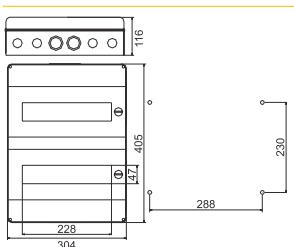
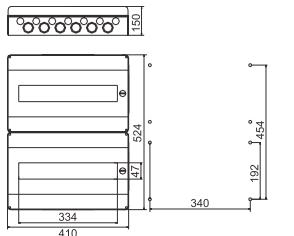
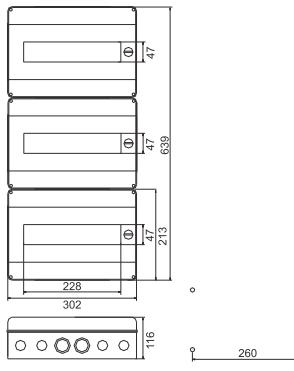
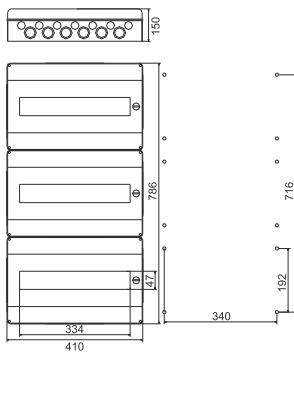
Glands



Support with N and PE buses

Products' range

Overall and installation dimensions	Description	Qty in packing	Product ID
	KMPn 2/5 IP55 surface-mounted Size: 1 row, 5 modules N/PE busbar: 2×10 mm ² - 1 pc. Weight: 0.4 kg	50	MKP72-N-05-55
	KMPn 2/6 IP55 surface-mounted Size: 1 row, 6 modules N/PE busbars: 2×16 mm ² + 5×10 mm ² - 2 pcs. Weight: 0.8 kg	20	MKP72-N1-06-55
	KMPn 2/7 IP55 surface-mounted Size: 1 row, 7 modules N/PE busbars: 2×16 mm ² + 5×10 mm ² - 2 pcs. Weight: 0.43 kg	32	MKP72-N-07-55
	KMPn 2/9 IP55 surface-mounted Size: 1 row, 9 modules N/PE busbars: 2×16 mm ² + 7×10 mm ² - 2 pcs. Weight: 1.0 kg	18	MKP72-N1-09-55
	KMPn 2/9 IP55 surface-mounted Size: 1 row, 9 modules N/PE busbars: 2×16 mm ² + 7×10 mm ² - 2 pcs. Weight: 0.7 kg	24	MKP72-N-09-55
	KMPn 2/12 IP55 surface-mounted Size: 1 row, 12 modules N/PE busbars: 2×16 mm ² + 12×10 mm ² - 2 pcs. Weight: 1.2 kg	12	MKP72-N1-12-55
	KMPn 2/13 IP55 surface distribution empty enclosure Size: 1 row, 13 modules N/PE busbars: 2×16 mm ² + 12×10 mm ² - 2 pcs. Weight: 1.2 kg	12	MKP72-N-13-55
	KMPn 2/18 IP55 surface-mounted Size: 1 row, 18 modules N/PE busbars: 2×16 mm ² + 18×10 mm ² - 2 pcs. Weight: 1.75 kg	6	MKP72-N1-18-55

Overall and installation dimensions	Description	Qty in packing	Product ID
	<p>KMPn 2/24 IP55 surface-mounted Size: 2 rows, 24 modules N/PE busbars: $2 \times 16 \text{ mm}^2 + 12 \times 10 \text{ mm}^2$ - 4 pcs. Weight: 2.2 kg</p> 	4	MKP72-N1-24-55
	<p>KMPn 2/36 IP55 surface-mounted Size: 2 rows, 36 modules N/PE busbars: $2 \times 16 \text{ mm}^2 + 18 \times 10 \text{ mm}^2$ - 4 pcs. Weight: 3.65 kg</p> 	1	MKP72-N1-36-55
	<p>KMPn 2/36 IP55 surface-mounted Size: 3 rows, 36 modules N/PE busbars: $2 \times 16 \text{ mm}^2 + 12 \times 10 \text{ mm}^2$ - 6 pcs. Weight: 3.8 kg</p> 	1	MKP72-N2-36-55
	<p>KMPn 2/54 IP55 surface-mounted Size: 3 rows, 54 modules N/PE busbars (6 pcs.): $2 \times 16 \text{ mm}^2 + 18 \times 10 \text{ mm}^2$ - 6 pcs. Weight: 5.55 kg</p> 	1	MKP72-N1-54-55

KMPn 5/16 surface mounted modular plastic empty enclosures with transparent cover, IP55

These empty enclosures are excellent for mounting in rooms with high humidity level or prominently dusty areas: garages, basements etc. as well as for open air installation. KMPn 5/16 can be used as accounting boards (meter installation option), accounting and distribution panels (modular equipment and meter installation options) or switchboards (starting switch, auxiliary relay and timer installation options) etc.



4

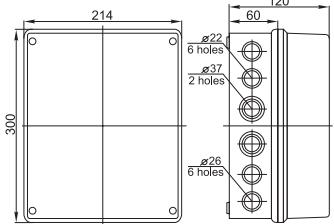
Advantages

- Base material – self-extinguishing ABS-plastic, cover material – impact resistant self-extinguishing polycarbonate resistant to heightened mechanical stress and ensuring electrical safety.
- Stepped glands and gaskets for mounting holes included in the empty enclosure set ensure additional sealing.
- Supports for DIN-rail and neutral bus installation.
- Cable input is carried out through special breakaway holes of various diameter.
- Possible DIN-rail mounting both in vertical and horizontal position.
- Sealing hole protects from electricity stealing and unauthorized access to the contact group.

Technical Features:

Mounting	surface
Protection degree	IP55
Body material	ABS-plastic
Cover material	polycarbonate
Color	RAL 9016
Impact resistance	IK07 (2J)

Range

Overall and installation dimensions	Name	Package amount	Product ID
 	KMPn 5/16 IP55 surface plastic empty enclosure with transparent cover	10	MKP75-N-16-55-10

Configuration



Gaskets, glands, screw-bolts

KMPn modular plastic empty enclosures, IP66

Increased safety of case protection allows using it in rooms with high humidity level, prominently dusty areas like different industrial rooms: garages, basements, car washes, warehouses as well as in the open air.

KMPn is intended for assembly of electric distribution panels using modular equipment, for electric power input and distribution as well as protecting networks of 230/400 V from overload and short circuit.



4

Advantages

- High quality polyurethane sealant ensures additional empty enclosure protection from dust and moisture.
- Possibility to lock the empty enclosure from unauthorized access.
- Convenient assembly and mounting.
- Captive screws.
- Wide product range.
- Extended operating temperature range: from -25 to +85 °C.
- Complete set, assembly-ready.
- Stylish ergonomic design.

Technical Features

Mounting	surface
Protection degree	IP66
Protection class	II
Body material	ABS-plastic
Door material	polycarbonate
Color	RAL 7035
Number of rows	from 1 to 3
Number of modules	from 4 to 48
Rated voltage, V	400
Rated frequency, Hz	50
Rated current, A	100
Operating temperature, °C	-25...+85

Advantages



Face panel opening direction can be easily changed at the expense of plastic hinges.



Widened space between the DIN-rail and the back wall. DIN-rail is adjusted according to its depth. It is fastened with plastic fixtures.



Case protection from unauthorized access is ensured by the availability of a lock with a three-edge key.



Dismountable N and PE bus holder can be installed both from top and on bottom of the case. N and PE buses are mounted onto a removable holder by a simple latching into mounting faces.



Convenient and exact mounting is possible through a special hole spacing for wall box fastening.



Easy and fast mounting of glands at the expense of breakaway holes of various diameter located on top and bottom of the empty enclosure.

Configuration



N and PE buses with a holder and a cover



Door hinges



Lock with a three-edge key



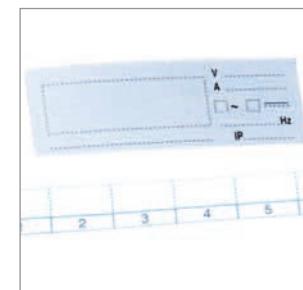
Modular and hole glands



Sealing set



Metalware



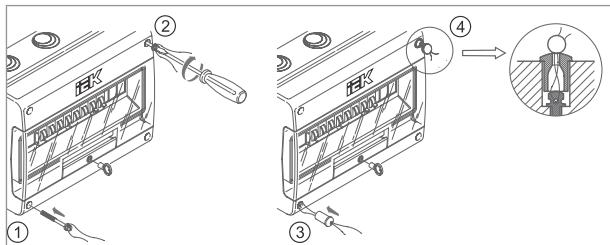
Marking signs

Range

Overall and installation dimensions	Name	Buses	Package amount	Product ID
	KMPn-4 surface plastic empty enclosure. Type: 1 row, 4 modules.	N/PE bus: $5 \times 10 \text{ mm}^2 - 1 \text{ pcs}$ Weight: 0,5 kg	1	MKP73-N-04-66
	KMPn-8 surface plastic empty enclosure. Type: 1 row, 8 modules.	N/PE bus: $5 \times 10 \text{ mm}^2 + 5 \times 16 \text{ mm}^2 - 1 \text{ pcs}$ Weight: 0,71 kg	1	MKP73-N-08-66
	KMPn-12 surface plastic empty enclosure. Type: 1 row, 12 modules.	N/PE bus: $5 \times 10 \text{ mm}^2 + 5 \times 16 \text{ mm}^2 - 1 \text{ pcs}$ Weight: 1,42 kg	1	MKP73-N-12-66
	KMPn-16 surface plastic empty enclosure. Type: 1 row, 16 modules.	N/PE bus: $5 \times 10 \text{ mm}^2 + 5 \times 16 \text{ mm}^2 - 2 \text{ pcs}$ Weight: 1,78 kg	1	MKP73-N-16-66
	KMPn-24 surface plastic empty enclosure. Type: 2 rows, 24 modules.	N/PE bus: $5 \times 10 \text{ mm}^2 + 5 \times 16 \text{ mm}^2 - 3 \text{ pcs}$ Weight: 2,32 kg	1	MKP73-N-24-66

Overall and installation dimensions	Name	Buses	Package amount	Product ID
	KMPn-32 surface plastic empty enclosure. Type: 2 rows, 32 modules.	N/PE bus: 5×10 mm ² + 5×16 mm ² - 3 pcs Weight: 2,75 kg	1	MKP73-N-32-66
	KMPn-48 surface plastic empty enclosure. Type: 3 rows, 48 modules.	N/PE bus: 5×10 mm ² + 5×16 mm ² - 5 pcs Weight: 3,75 kg	1	MKP73-N-48-66
	Sealing set for plastic empty enclosures KMPn IP66			MKP73-N-N-66

Placement of seals to IEK® KMPn IP66 enclosure using a sealing kit



- 1 – Put the wire through special hole in the screw head.
- 2 – Insert the screws with the wire from the sealing kit in their heads instead of the screws supplied with the enclosure that join the base and faceplate.
- 3 – Put the plastic plug onto the screw head using wire in the hole in the plug upper part.
- 4 – Put the seal on free ends of wire.

SCHURn-P plastic enclosures for electric meters, IP55

The SCHURn-P IP55 plastic enclosures are designed for installation of single-phase, three-phase or induction electric meters and modular devices. Due to high protection degree (IP55), the enclosures can be mounted in rooms with high moisture and dust content and also outdoors. Correspond to the requirements EN 62208.



4

Advantages

- Wide range of models.
- Fully equipped, ready for assembling.
- Breakout openings for cable inputs in upper and lower parts of enclosure.
- Single-phase, three-phase or induction electric meters can be installed, depending on the model.
- The meter can be installed on the mounting panel and DIN rail.
- The meter readings can be checked visually.
- Convenient removable covers for easy access to circuit breakers.

Technical characteristics

Type of mounting	Degree of protection	wall-mounted
Class of protection	IP55	
Mechanical shock resistance	II	
Casing material	IK05 (0.7 J)	
Rated voltage, V	ABS plastic	
Rated frequency, Hz	400	
Rated current, A	50	
Operating temperature, °C	63	
Climatic version	-25...+60	
Number of single-pole breakers that can be installed in enclosure	U1	
Type of installed meter (depending on model)	3 to 12 (depending on model)	
	1-phase / 3-phase / induction	

Design features



Removable covers for easy access to circuit breakers.



Input breaker can be sealed by means of sealing device supplied as standard.



Sealable enclosure (models SCHURn-P 3/8, SCHURn-P 3/8 I, SCHURn-P 3/6).



The meter can be installed on the mounting panel and DIN rail.



Breakout openings for cable inputs in upper and lower parts of enclosure.

Scope of supply



DIN rail



Cable glands



N/PE busbar



Plastic wall plugs, screws



Sealing device for input circuit breaker

Products' range

Description	Meter type	Number of modules	Overall and installation dimensions (H×W×D), mm	Product ID	
	SCHURn-P 3/8 IP55	1-phase 3-phase	8	365×225×120	MSP308-3-55
	SCHURn-P 3/8 I IP55	1-phase 3-phase induction	8	365×225×145	MSP308I-3-55
	SCHURn-P 1/3 IP55	1-phase	3	220×270×110	MSP103-1-55
	SCHURn-P 3/6 IP55	1-phase 3-phase	6	400×350×125	MSP306-3-55
	SCHURn-P 3/10 IP55	1-phase 3-phase	10	345×270×105	MSP310-3-55
	SCHURn-P 1/12 IP55	1-phase 3-phase	12	270×330×110	MSP112-1-55
	Post mounting kit for SCHURn-P enclosure			MSP-300-2-M	

PU electric meter panels

These panels are intended for installation of single and three-phase meters.

Panels with boxes can host modular distribution devices and units protecting circuits from overload and short circuit under 400 V (50 Hz) simultaneously with single or three-phase meter for electric power accounting.



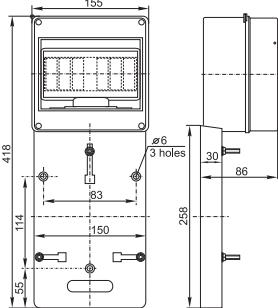
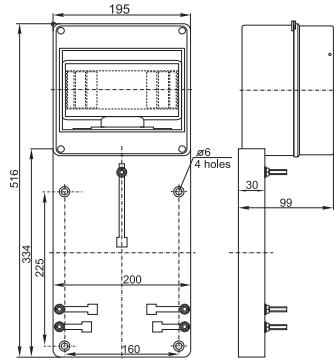
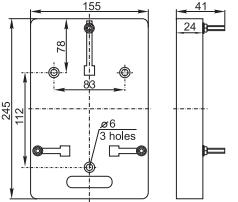
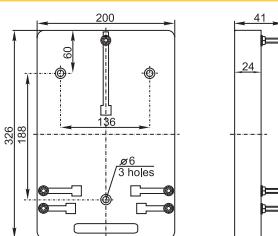
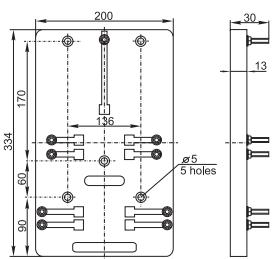
Advantages

- Panels are made of self-extinguishing PVC.
- Panels with boxes are completed with N and PE buses.
- Sealing holes protect the unit from unauthorized access.
- Easy and fast mounting.

Technical Features:

Mounting	surface
Protection degree	IP20 (IP40 with a box)
Body material	PVC
Color, white	RAL 9001
Rated voltage, V	400
Rated frequency, Hz	50
Rated current, A	63
Meter type	1-phase, 3-phase

Range

Overall and installation dimensions	Name	Package amount	Product ID
	 <p>PU 1/2-7 for 1-phase meter with a box. Box type: 7 modules. N and PE buses: $2 \times 16 \text{ mm}^2 + 5 \times 10 \text{ mm}^2 - 2 \text{ pcs}$</p>	28	MPP10-1
	 <p>PU 3/2-8 for 3-phase meter with a box. Box type: 8 modules. N and PE buses: $2 \times 16 \text{ mm}^2 + 7 \times 10 \text{ mm}^2 - 2 \text{ pcs}$</p>	24	MPP10-3
	 <p>PU 1/0 for 1-phase meter.</p>	105	MPP11-1
	 <p>PU 3/0 for 3-phase meter.</p>	64	MPP11-3
	 <p>Universal PU 2/0.</p>	90	MPP11-2

Selection table

No. of modules	Mounting type	Number of rows				Protection degree			Door, position, material		Type	Product ID	
		1	2	3	4	IP30	IP40	IP55	IP66	Horiz.	Vert.		
2	surface (screw-less mounting)	•				•						KMPn1/2	MKP31-N-02-30-252
2	surface (screw-type mounting)	•				•				•		KMPn2/2	MKP42-N-02-30-20
4	surface (screw-less mounting)	•				•						KMPn1/4	MKP31-N-02-30-135
4	surface (screw-type mounting)	•					•			•		SCHRn-P-4	MKP12-N-04-40-20
4	surface (screw-type mounting)	•				•				•		KMPn2/4	MKP42-N-04-30-12
4	flush	•				•				•		SVHRV-P-4	MKP12-V-04-40-20
4	surface	•						•		•		KMPn-4	MKP73-N-04-66
5	surface	•					•			•		KMPn2/5	MKP72-N-05-55
6	surface	•				•				•		KMPn2/6	MKP42-N-06-30-09
6	surface	•					•			•		SCHRn-P-6	MKP12-N-06-40-20
6	flush	•				•				•		SCHRv-P-6	MKP12-V-06-40-20
7	surface	•					•			•		KMPn2/7	MKP72-N-07-55
8	surface	•				•				•		SCHRn-P-8	MKP12-N-08-40-20
8	flush	•				•				•		SCHRv-P-8	MKP12-V-08-40-20
8	surface	•					•			•		KMPn-8	MKP73-N-08-66
9	surface	•					•			•		KMPn 2/9	MKP72-N-09-55
12	surface	•				•				•		SCHRn-P-12	MKP12-N-12-40-10
12	flush	•				•				•		SCHRv-P-12	MKP12-V-12-40-10
12	surface	•						•		•		KMPn-12	MKP73-N-12-66
13	surface	•					•			•		KMPn 2/13	MKP72-N-13-55
14	flush	•				•					•	KMPn 4/14	MKP54-V-14-30-01
16	surface	•						•		•		KMPn-16	MKP73-N-16-66
18	surface	•				•				•		SCHRn-P-18	MKP12-N-18-40-10
18	flush	•				•				•		SCHRv-P-18	MKP12-V-18-40-10
19	surface	•					•			•		KMPn 2/19	MKP72-N-19-55
24	surface	•				•				•		SCHRn-P-24	MKP12-N-24-40-10
24	flush	•				•				•		SCHRv-P-24	MKP12-V-24-40-10
24	surface	•						•		•		KMPn-24	MKP73-N-24-66
26	surface	•						•		•		KMPn 2/26	MKP72-N-26-55
28	flush	•				•					•	KMPn 4/28	MKP54-V-28-30-01
32	surface	•						•		•		KMPn-32	MKP73-N-32-66
36	surface	•				•				•		SCHRn-P-36	MKP12-N-36-40-05
36	flush	•				•				•		SCHRv-P-36	MKP12-V-36-40-05
38	surface	•					•			•		KMPn 2/38	MKP72-N-38-55
39	surface	•					•			•		KMPn 2/39	MKP72-N-39-55
42	flush	•				•					•	KMPn 4/42	MKP54-N-42-30-1
48	surface	•						•		•		KMPn-48	MKP73-N-48-66
56	flush	•				•					•	KMPn 4/56	MKP54-N-56-30-1
57	surface		•					•		•		KMPn 2/57	MKP72-N-57-55

Polyester vandal-proof enclosures of series SCHU IP54 and SCHMP IP54

SCHU polyester enclosures for electric energy input and metering are designed for installation of electric meters and modular devices.

Due to enclosure construction and materials properties, they can be mounted in rooms with high content of moisture, dust and corrosive matters and also outdoors.

SCHMP polyester enclosures with mounting panel are designed for assembling various electric boards: power supply, control, automation. They allow for installation of both modular and conventional devices.

Correspond to the requirements EN 62208



4

Advantages

- Good protection against mechanical damage.
- Fully equipped.
- High level of electrical and fire safety.
- The enclosures do not require painting and grounding during installation.
- Installation outdoors or in rooms with high content of harmful matters is possible.

Technical characteristics

Type of mounting	Degree of protection	wall-mounted
Class of protection		IP54
Casing material		II
Color		polyester
Rated voltage		RAL 7035
Rated dielectric strength of insulation		400 V
Life time		660 V
Operating temperature, °C		30 years
Climatic version		-50...+70
Mechanical shock resistance		UHL1
		IK10 (20 J)

Design features

SCHU



The dummy panel can be sealed by means of sealing clamps.



Mounting panel for installation of any meter type.

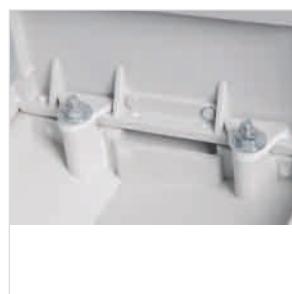


Window for easy reading of meter indication.

SCHMP



Sloped roof for water drain



The enclosures can be joined in groups due to dismountable construction.

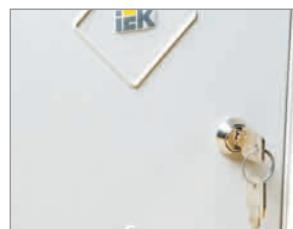


Labyrinth system ensures degree protection IP54 for the enclosure without use of gasket.

Scope of supply



DIN rail (for SCHU)



Lock



Mounting panel



Dummy panel (for SCHU)



Sealable clamps (for SCHU)



Cable glands (for SCHU)



Fixing hardware

Products' range

	Description	Meter type	Number of modules	Overall dimensions (H×W×D), mm	Weight	Product ID
	Polyester enclosure for meters SCHU 1/1 UHL1 IP54	1-phase	10	430×270×160	3,3	MKP50-N-01-54
	Polyester enclosure for meters SCHU 3/1 UHL1 IP54	3-phase	10	540×260×160	4,5	MKP50-N-03-54
	Description	Overall dimensions (H×W×D), mm	Dimensions of mounting panel (H×W), mm	Weight	Product ID	
	Polyester enclosure SCHMP 28042204116 mm UHL1 IP54	240×180×110	230×160	1,8	YKP40-N-221-54	
	Polyester enclosure SCHMP 44044004205 mm UHL1 IP54	440×400×205	350×350	6,6	YKP40-N-442-54	
	Polyester enclosure SCHMP 64044004205 mm UHL1 IP54	640×400×205	500×350	8,6	YKP40-N-642-54	

Modular metal distribution empty enclosures

Electric distribution empty enclosures SCHRn(v)

They are intended for assembling distribution empty enclosures using modular equipment, electric power supply and distribution as well as protecting networks of 230/400 V from short circuit and overloads.

Correspond to EN 62208.



Advantages

- High corrosion resistance.
- High quality coating.
- Universal key lock.
- Set of additional accessories.
- High performance and easy assembly.
- Several color and paintwork variants.
- High electrical safety.
- Quality certificate.

Technical Features

Mounting	flush, surface
Metal gauge	0,8-1,0 mm
Rated current	up to 125 A
Coating	powder, sharkskin/gloss
Color	RAL 7032, RAL 7035, RAL 9016
Protection	surface – IP31, IP54 flush – IP31
Door opening angle	105°
Equipment type	modular

Design Features



Installation rail for N and PE buses.



IP54 type is equipped with protective tray preventing water and dust ingress at the door opening.

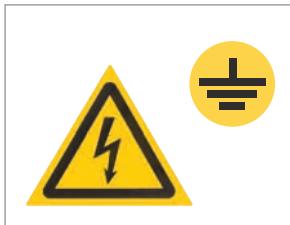


Protective speedbar excluding electric shock in the process of ready unit exploitation.

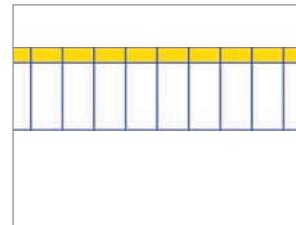


IP54 type is provided with foamed PUR sealing.

Configuration



Electrical safety signs

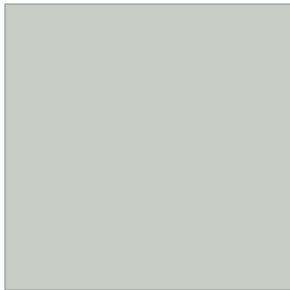


Marking plate



Gland seals (for IP54 type empty enclosures)

Color



RAL 7032



RAL 7035



RAL 9016

Designations

SCHRn-9z-1 3 6 УХЛ3 IP31

- SCH** - empty enclosures
- R** - distribution
- n** - surface
- v** - flush
- 9-72** - maximum number of modules
- z** - lock included
- 0** - modification number
- 0** - with angle bars for N and PE bus mounting
- 1** - zinc-coated rail for N and PE bus mounting
- 3** - coating type
 - 3** - EPR/sharkskin
 - 5** - EPR/gloss
 - 7** - PC/sharkskin
- 6** - paint color
 - 4** - RAL 7032
 - 6** - RAL 7035
 - 8** - RAL 9016

УХЛ3 - climate type

IP31 - protection degree

* N and PE busbars are to be ordered separately.

Range

Flush distribution empty enclosures (IP31)	Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHRv-12z-1 36 УХЛ3 IP31	12	Body: 275×320×120. Bay: 230×275×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 2,5 kg	RAL 7035	MKM14-V-12-30-Z
	SCHRv-12z-1 38 УХЛ3 IP31	12			RAL 9016	MKM13-V-12-30-Z
	SCHRv-18z-1 36 УХЛ3 IP31	18	Body: 275×450×120. Bay: 230×405×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 3,6 kg	RAL 7035	MKM14-V-18-30-Z
	SCHRv-18z-1 38 УХЛ3 IP31	18			RAL 9016	MKM13-V-18-30-Z
	SCHRv-24z-1 36 УХЛ3 IP31	24	Body: 405×320×120. Bay: 360×275×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 3,5 kg	RAL 7035	MKM14-V-24-30-Z
	SCHRv-24z-1 38 УХЛ3 IP31	24			RAL 9016	MKM13-V-24-30-Z
	SCHRv-36z-1 36 УХЛ3 IP31	36	Body: 550×320×120. Bay: 505×275×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 5,2 kg	RAL 7035	MKM14-V-36-30-Z
	SCHRv-36z-1 38 УХЛ3 IP31	36			RAL 9016	MKM13-V-36-30-Z
	SCHRv-48z-1 36 УХЛ3 IP31	48	Body: 630×320×120. Bay: 585×275×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 6,2 kg	RAL 7035	MKM14-V-48-30-Z
	SCHRv-48z-1 38 УХЛ3 IP31	48			RAL 9016	MKM13-V-48-30-Z
	SCHRv-54z-1 36 УХЛ3 IP31	54	Body: 550×450×120. Bay: 505×405×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 7,6 kg	RAL 7035	MKM14-V-54-30-Z
	SCHRv-54z-1 38 УХЛ3 IP31	54			RAL 9016	MKM12-V-54-30-Z
	SCHRv-72z-1 36 УХЛ3 IP31	72	Body: 550×610×120. Bay: 505×565×125	No. of inputs: 1 hole 140×30 mm (on top and bottom) Weight: 10,3 kg	RAL 7035	MKM14-V-72-30-Z
	SCHRv-72z-1 38 УХЛ3 IP31	72			RAL 9016	MKM12-V-72-30-Z
	SCHRn-12z-1 36 УХЛ3 IP31	12	Body: 265×310×120	No. of inputs: 3 holes Ø31 mm (on bottom) Weight: 3,1 kg	RAL 7035	MKM14-N-12-31-Z
	SCHRn-12z-1 38 УХЛ3 IP31	12			RAL 9016	MKM13-N-12-31-Z
	SCHRn-18z-1 36 УХЛ3 IP31	18	Body: 265×440×120	No. of inputs: 3 holes Ø31 mm (on bottom) Weight: 4,1 kg	RAL 7035	MKM14-N-18-31-Z
	SCHRn-18z-1 38 УХЛ3 IP31	18			RAL 9016	MKM13-N-18-31-Z
	SCHRn-24z-1 36 УХЛ3 IP31	24	Body: 395×310×120	No. of inputs: 3 holes Ø31 mm (on bottom) Weight: 4,3 kg	RAL 7035	MKM14-N-24-31-Z
	SCHRn-24z-1 38 УХЛ3 IP31	24			RAL 9016	MKM13-N-24-31-Z

	Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHRn-36z-1 36 УХЛ3 IP31 SCHRn-36z-1 38 УХЛ3 IP31	36 36	Body: 540×310×120	No. of inputs: 3 holes Ø31 mm (on bottom) Weight: 6,9 kg	RAL 7035 RAL 9016	MKM14-N-36-31-Z MKM13-N-36-31-Z
	SCHRn-48z-1 36 УХЛ3 IP31 SCHRn-48z-1 38 УХЛ3 IP31	48 48	Body: 620×310×120	No. of inputs: 3 holes Ø31 mm (on bottom) Weight: 7,6 kg	RAL 7035 RAL 9016	MKM14-N-48-31-Z MKM13-N-48-31-Z
	SCHRn-54z-1 36 УХЛ3 IP31 SCHRn-54z-1 38 УХЛ3 IP31	54 54	Body: 540×440×120	No. of inputs: 5 holes Ø31 mm (on bottom) Weight: 9,2 kg	RAL 7035 RAL 9016	MKM14-N-54-31-Z MKM12-N-54-31-Z
	SCHRn-72z-1 36 УХЛ3 IP31 SCHRn-72z-1 38 УХЛ3 IP31	72 72	Body: 540×600×120	No. of inputs: 6 holes Ø31 mm (on bottom) Weight: 12,2 kg	RAL 7035 RAL 9016	MKM14-N-72-31-Z MKM12-N-72-31-Z
Surface distribution empty enclosures (IP54) 	SCHRn-12z-0 74 Y2 IP54	12	Body: 240×330×120	No. of inputs: 5 holes Ø20 mm (on bottom) Weight: 3,6 kg	RAL 7032	MKM11-N-12-54-Z
	SCHRn-24z-0 74 Y2 IP54	24	Body: 410×330×120	No. of inputs: 5 holes Ø20 mm (on bottom) Weight: 5,4 kg	RAL 7032	MKM11-N-24-54-Z
	SCHRn-36z-0 74 Y2 IP54	36	Body: 540×330×120	No. of inputs: 5 holes Ø20 mm (on bottom) Weight: 6,7 kg	RAL 7032	MKM11-N-36-54-Z
	SCHRn-48z-0 74 Y2 IP54	48	Body: 670×330×120	No. of inputs: 5 holes Ø20 mm (on bottom) Weight: 8,0 kg	RAL 7032	MKM11-N-48-54-Z

SCHRV flush-mounted electric distribution empty enclosures of TREND series

They are designed for assembling of electric distribution boards using modular components, input and distribution of power and also protection of networks 230/400 V against overload and short-circuit currents.

Correspond to EN 62208



Advantages

- Improved corrosion resistance.
- High-quality external coating.
- Rigid structure.
- Locks with common key.
- Highly practical and simple assembling.
- Several colors and variants of painting.
- High level of electrical safety.
- Quality certificate.

Technical characteristics

Type of mounting	flush-mounted
Metal thickness	0.8-1 mm
Rated current	up to 125 A
Type of coating	powder coat, sharkskin/glossy
Color	RAL 7035, RAL 9016
Degree of protection	IP31
Door opening angle	105°
Type of employed devices	modular
Climatic version	UHL3

Design features



Improved appearance due to beveled corners.



Protective panel excluding danger of electric shock during operation of assembled unit.

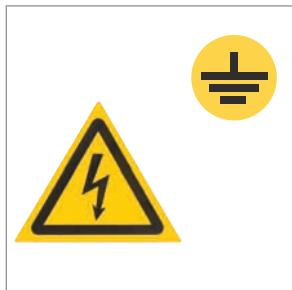


Galvanized rail for fixing of N and PE busbars.

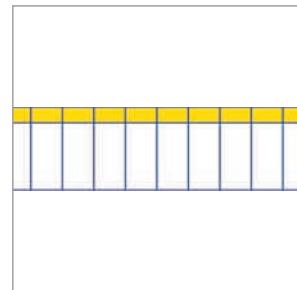


Enclosure structure is considerably more rigid.

Scope of supply

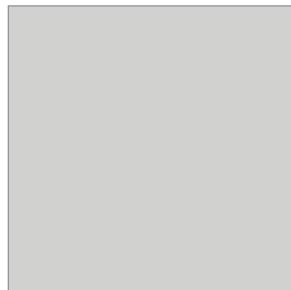


Electrical safety signs



Marking plate

Color



RAL 7035



RAL 9016

Structure of designation

SCHRv-72z-3 36 UHL3 IP31 TREND

SCH: board

R: distribution

v: flush-mounted

9 to 72: maximum number of modules

z: with lock

3: variant No.

3: type of coating

3: epoxy-polyester powder paint / sharkskin

5: epoxy-polyester powder paint / glossy

7: polyester powder paint / sharkskin

6: paint color

6: RAL 7035

8: RAL 9016

UHL3: climatic version

IP31: degree of protection

TREND: series name

Range

	Description	Number of modules	Color	Specifications	Overall dimensions (H×W×D), mm	Product ID
	SCHRv-12z-3 36 UHL3 IP31 TREND	12	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 2.3 kg.	Enclosure: 265×310×120	MKM14-V-12-30-T
	SCHRv-12z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 230×275×125	MKM14-V-12-31-TW
	SCHRv-18z-3 36 UHL3 IP31 TREND	18	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 3.3 kg.	Enclosure: 265×440×120	MKM14-V-18-30-T
	SCHRv-18z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 230×405×125	MKM14-V-18-31-TW
	SCHRv-24z-3 36 UHL3 IP31 TREND	24	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 3.3 kg.	Enclosure: 395×310×120	MKM14-V-24-30-T
	SCHRv-24z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 360×275×125	MKM14-V-24-31-TW
	SCHRv-36z-3 36 UHL3 IP31 TREND	36	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 5 kg.	Enclosure: 540×310×120	MKM14-V-36-30-T
	SCHRv-36z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 505×275×125	MKM14-V-36-31-TW
	SCHRv-48z-3 36 UHL3 IP31 TREND	48	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 6 kg.	Enclosure: 620×310×120	MKM14-V-48-30-T
	SCHRv-48z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 585×275×125	MKM14-V-48-31-TW
	SCHRv-54z-3 36 UHL3 IP31 TREND	54	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 7.4 kg.	Enclosure: 540×440×120	MKM14-V-54-30-T
	SCHRv-54z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 505×405×125	MKM14-V-54-31-TW
	SCHRv-72z-3 36 UHL3 IP31 TREND	72	RAL 7035	Number of entries: by 1 opening 140×30 mm in top and bottom. Weight 9.9 kg.	Enclosure: 540×600×120	MKM14-V-72-30-T
	SCHRv-72z-3 58 UHL3 IP31 TREND		RAL 9016		Recess: 505×565×125	MKM14-V-72-31-TW

Electric metering and distribution empty enclosures SCHURn(v)

They are intended for assembling electric metering and distribution empty enclosures using modular equipment, electric power supply and distribution as well as protecting networks of 230/400 V from short circuit and overcurrents.

Correspond to EN 62208.



4

Advantages

- High corrosion resistance.
- High quality coating.
- Universal key lock.
- Set of additional accessories.
- High performance and easy assembly.
- Several color and paintwork variants.
- High electrical safety.
- Quality certificate.

Technical Features

Mounting	flush, surface
Metal gauge	0,8-1,0 mm
Rated current	up to 125 A
Coating	powder, sharkskin/gloss
Color	RAL 7035, RAL 9016, RAL 7032
Protection	surface – IP31, IP54 flush – IP31
Door opening angle	105°
Equipment type	modular

Design Features



Separate protective speedbar excludes electric shock in the process of unit exploitation and provides for locking the input device without limiting access to group installations.



IP54 type is equipped with protective tray preventing water and dust ingress at the door opening.



Universal meter mounting panel allows installing any types of single- or three-phase meters without using additional adapters.



IP54 type is provided with foamed PUR sealing.

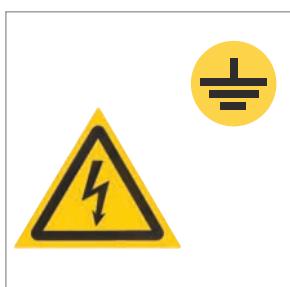


Message window for meter reading.

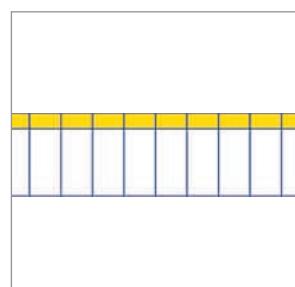


Installation rail for N and PE buses.

Configuration



Electrical safety signs



Marking plate

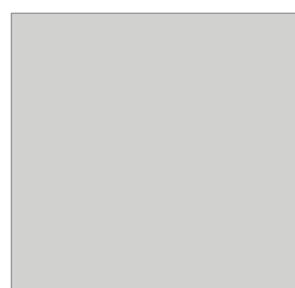


Gland seals (for IP54 type empty enclosures)

Color



RAL 7032



RAL 7035



RAL 9016

* N and PE busbars are to be ordered separately.

Designations

SCHURn-3/12zo-1 36 УХЛ3 IP31

- SCH** – empty enclosures
- UR** – metering and distribution
- n** – surface
- v** – flush
- 1, 3** – meter type (single-, three-phase)
- 12-48** – number of modules
- z** – lock included
- 0** – message window
- 1** – modification number
 - 0** – with a solid speedbar for IP31; with a separate speedbar for IP54
 - 1** – with a separate speedbar for IP31; with a solid speedbar for IP54
- 3** – coating type
 - 3** – EPR/sharkskin
 - 5** – EPR/gloss
 - 7** – PC/sharkskin
- 6** – paint color
 - 4** – RAL 7032 
 - 6** – RAL 7035 
 - 8** – RAL 9016 
- УХЛ3, Y2** – climate type
- IP31** – protection degree
- IP54** – protection degree

4

Range

Flush metering and distribution empty enclosures(IP31)	Name	Meter type	No. of modules	Overall dimensions (HxWxD), mm	Features	Color	Product ID
	SCHURv-1/9zo-1 36 УХЛ3 IP31	1	9	Body: 490×330×145. Bay: 580×330×165.	No. of inputs: 1 hole	RAL 7035	MKM24-V-09-31-Z0
	SCHURv-1/9zo-1 38 УХЛ3 IP31	1	9	Bay: 445×285×150	140×30 mm (on top and bottom)	RAL 9016	MKM25-V-09-31-Z0
					Weight: 4,5 kg		
	SCHURv-3/9zo-1 36 УХЛ3 IP31	3	9	Body: 580×330×165.	No. of inputs: 1 hole	RAL 7035	MKM34-V-09-31-Z0
	SCHURv-3/9zo-1 38 УХЛ3 IP31	3	9	Bay: 535×285×170	140×30 mm (on top and bottom)	RAL 9016	MKM33-V-09-31-Z0
					Weight: 5,4 kg		
	SCHURv-1/12zo-1 36 УХЛ3 IP31	1	12	Body: 480×320×165.	No. of inputs: 1 hole	RAL 7035	MKM25-V-12-31-Z0
	SCHURv-1/12zo-1 38 УХЛ3 IP31	1	12	Bay: 435×275×170	140×30 mm (on top and bottom)	RAL 9016	MKM23-V-12-31-Z0
					Weight: 4,6 kg		

Name	Meter type	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHURv-3/12zo-1 36 УХЛ3 IP31	3	12	Body: 550×320×165. Bay: 505×275×170	No. of inputs: 1 hole 140×30 mm (on top and bottom)	RAL 7035 MKM35-V-12-31-Z0
	SCHURv-3/12zo-1 38 УХЛ3 IP31	3	12		Weight: 5,3 kg	RAL 9016 MKM33-V-12-31-Z0
	SCHURv-1/15zo-1 36 УХЛ3 IP31	1	15	Body: 490×490×145.	No. of inputs: 1 hole 140×30 mm (on top and bottom)	RAL 7035 MKM24-V-15-31-Z0
	SCHURv-1/15zo-1 38 УХЛ3 IP31	1	15	Bay: 445×445×150	Weight: 6,6 kg	RAL 9016 MKM23-V-15-31-Z0
	SCHURv-3/18zo-1 36 УХЛ3 IP31	3	18	Body: 580×490×165.	No. of inputs: 2 holes 140×30 mm (on top and bottom)	RAL 7035 MKM34-V-18-31-Z0
	SCHURv-3/18zo-1 38 УХЛ3 IP31	3	18	Bay: 535×445×170	Weight: 8,1 kg	RAL 9016 MKM33-V-18-31-Z0
	SCHURv-3/24zo-1 36 УХЛ3 IP31	3	24	Body: 580×520×165.	No. of inputs: 2 holes 140×30 mm (on top and bottom)	RAL 7035 MKM34-V-24-31-Z0
	SCHURv-3/24zo-1 38 УХЛ3 IP31	3	24	Bay: 535×475×170	Weight: 8,5 kg	RAL 9016 MKM33-V-24-31-Z0
	SCHURv-3/30zo-1 36 УХЛ3 IP31	3	30	Body: 550×500×165.	No. of inputs: 1 hole 230×30 mm (on top and bottom)	RAL 7035 MKM35-V-30-31-1-Z0
	SCHURv-3/30zo-1 38 УХЛ3 IP31	3	30	Bay: 505×455×170	Weight: 8,4 kg	RAL 9016 MKM33-V-30-31-Z0
	SCHURv-3/36zo-1 36 УХЛ3 IP31	3	36	Body: 580×600×165.	No. of inputs: 2 holes 140×30 mm (on top and bottom)	RAL 7035 MKM34-V-36-31-Z0
	SCHURv-3/36zo-1 38 УХЛ3 IP31	3	36	Bay: 535×555×170	Weight: 9,6 kg	RAL 9016 MKM33-V-36-31-Z0

	Name	Meter type	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHURv-3/42zo-1 36 УХЛ3 IP31	3	42	Body: 580×655×165	No. of inputs: 2 holes	RAL 7035	MKM34-V-42-31-Z0
	SCHURv-3/42zo-1 38 УХЛ3 IP31	3	42	Bay: 140×30 mm 535×610×170	(on top and bottom)	RAL 9016	MKM33-V-42-31-Z0
					Weight: 10,3 kg		
	SCHURv-3/48zo-1 36 УХЛ3 IP31	3	48	Body: 550×610×165	No. of inputs: 1 hole	RAL 7035	MKM35-V-48-31-Z0
	SCHURv-3/48zo-1 38 УХЛ3 IP31	3	48	Bay: 210×30 mm 505×565×170	(on top and bottom)	RAL 9016	MKM33-V-48-31-Z0
					Weight: 10,0 kg		
Surface metering and distribution empty enclosures (IP31)	SCHURn-1/9zo-1 36 УХЛ3 IP31	1	9	Body: 470×260×145	No. of inputs: 3 holes	RAL 7035	MKM22-N-09-31-Z0
	SCHURn-1/9zo-1 38 УХЛ3 IP31	1	9		Ø28 mm (on bottom)	RAL 9016	MKM24-N-09-31-Z0
					Weight: 4,3 kg		
	SCHURn-3/9zo-1 36 УХЛ3 IP31	3	9	Body: 540×290×165	No. of inputs: 3 holes	RAL 7035	MKM32-N-09-31-Z0
	SCHURn-3/9zo-1 38 УХЛ3 IP31	3	9		Ø28 mm (on bottom)	RAL 9016	MKM34-N-09-31-Z0
					Weight: 5,5 kg		
	SCHURn-1/12zo-1 36 УХЛ3 IP31	1	12	Body: 395×310×165	No. of inputs: 3 holes	RAL 7035	MKM25-N-12-31-Z0
	SCHURn-1/12zo-1 38 УХЛ3 IP31	1	12		Ø28 mm (on bottom)	RAL 9016	MKM23-N-12-31-Z0
	SCHURn-1/12zo-1 58 УХЛ3* IP31	1	12			RAL 9010	MKM1-N-12-31-58-Z0
					Weight: 4,5 kg		
	SCHURn-3/12zo-1 36 УХЛ3 IP31	3	12	Body: 540×310×165	No. of inputs: 3 holes	RAL 7035	MKM35-N-12-31-Z0
	SCHURn-3/12zo-1 38 УХЛ3 IP31	3	12		Ø28 mm (on bottom)	RAL 9016	MKM33-N-12-31-Z0
	SCHURn-3/12zo-1 58 УХЛ3* IP31	3	12			RAL 9010	MKM3-N-12-31-58-Z0
					Weight: 5,9 kg		

* These positions are typical custom ones.



Name	Meter type	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
SCHURn-1/15zo-1 36 УХЛ3 IP31	1	15	Body: 470×400×145	No. of inputs: 5 holes Ø28 mm (on bottom)	RAL 7035	MKM22-N-15-31-Z0
SCHURn-1/15zo-1 38 УХЛ3 IP31	1	15			RAL 9016	MKM23-N-15-31-Z0

Weight: 6,3 kg



SCHURn-3/18zo-1 36 УХЛ3 IP31	3	18	Body: 560×440×165	No. of inputs: 6 holes Ø28 mm (on bottom)	RAL 7035	MKM32-N-18-31-Z0
SCHURn-3/18zo-1 38 УХЛ3 IP31	3	18			RAL 9016	MKM34-N-18-31-Z0

Weight: 8,3 kg



SCHURn-3/24zo-1 36 УХЛ3 IP31	3	24	Body: 560×480×165	No. of inputs: 6 holes Ø28 mm (on bottom)	RAL 7035	MKM32-N-24-31-Z0
SCHURn-3/24zo-1 38 УХЛ3 IP31	3	24			RAL 9016	MKM34-N-24-31-Z0
SCHURn-3/24zo-1 58 УХЛ3* IP31	3	24			RAL 9010	MKM3-N-24-31-58-Z0
SCHURn-1/24zo-1 58 УХЛ3* IP31	1	24		Weight: 10,4 kg	RAL 9010	MKM1-N-24-31-58-Z0



SCHURn-3/30zo-1 36 УХЛ3 IP31	3	30	Body: 540×490×165	No. of inputs: 5 holes Ø28 mm (on bottom)	RAL 7035	MKM35-N-30-1-31-Z0
SCHURn-3/30zo-1 38 УХЛ3 IP31	3	30			RAL 9016	MKM35-N-30-31-Z0

Weight: 9,4 kg



SCHURn-3/30zo/1-1-36 УХЛ3 IP31	3	30	Body: 540×440×165	No. of inputs: 6 holes Ø31 mm (on bottom)	RAL 7035	MKM35-N-30/1-1-31-Z0
SCHURn-3/30zo/1-1 36 УХЛ3 IP31	3	30			RAL 7035	MKM35-N-30/1-1-31-Z

Weight: 9,7 kg



SCHURn-3/36zo-1 36 УХЛ3 IP31	3	36	Body: 560×550×165	No. of inputs: 6 holes Ø28 mm (on bottom)	RAL 7035	MKM32-N-36-31-Z0
SCHURn-3/36zo-1 38 УХЛ3 IP31	3	36			RAL 9016	MKM33-N-36-31-Z0
SCHURn-3/36zo-1 58 УХЛ3* IP31					RAL 9010	MKM3-N-36-31-58-Z0

Weight: 11,5 kg

* These positions are typical custom ones.

	Name	Meter type	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHURn-3/42zo-1 36 УХЛ3 IP31 SCHURn-3/42zo-1 38 УХЛ3 IP31	3 3	42 42	Body: 560×600×165	No. of inputs: 6 holes Ø28 mm (on bottom)	RAL 7035 RAL 9016	MKM32-N-42-31-Z0 MKM33-N-42-31-Z0
					Weight: 12,7 kg		
	SCHURn-3/48zo-1 36 УХЛ3 IP31 SCHURn-3/48zo-1 38 УХЛ3 IP31 SCHURn-3/48zo-1 58 УХЛ3* IP31	3 3 3	48 48 48	Body: 540×600×165	No. of inputs: 6 holes Ø28 mm (on bottom)	RAL 7035 RAL 9016 RAL 9010	MKM35-N-48-31-Z0 MKM33-N-48-31-Z0 MKM3-N-48-31-58-Z0
					Weight: 11,1 kg		
Surface metering and distribution empty enclosures (IP54)	SCHURn-1/12z-0 74 Y2 IP54	1	12	Body: 395×310×165	No. of inputs: 3 holes Ø28 mm (on bottom)	RAL 7032	MKM22-N-12-54-Z
					Weight: 5,4 kg		
	SCHURn-3/12z-0 74 Y2 IP54	3	12	Body: 540×310×165	No. of inputs: 3 holes Ø28 mm (on bottom)	RAL 7032	MKM32-N-12-54-Z
					Weight: 7,1 kg		

* These positions are typical custom ones.

Electric lead-in and metering empty enclosures, SCHU

They are intended for assembling lead-in electric metering empty enclosures using modular equipment as well as for electric power supply and accounting in residential and industrial premises. Correspond to EN 62208.



Advantages

- Outdoor use option.
- High corrosion resistance.
- High quality coating.
- High performance and easy assembly.
- Convenient installation.
- High electrical safety.
- Quality certificate.

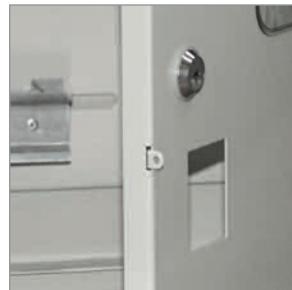
Technical Features:

Mounting	surface
Metal gauge	1,0 mm
Rated current	50 A
Coating	powder, sharkskin
Color	RAL 7032
Protection	IP54
Door opening angle	120°
Equipment type	modular

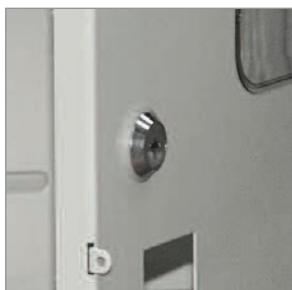
Design Features



Protection (VA47-29) and power cut off devices (VN-32) as well as surge protective devices can be installed independently.



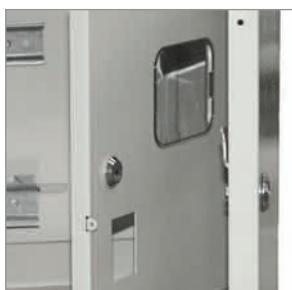
Possibility of sealing the speedbar in the closed position.



Speedbar covers the meter and electrical equipment. It is attached to the casing with hinge straps and locked with an individual lock.



Additional casing shield prevents water and dust ingress at the door opening.



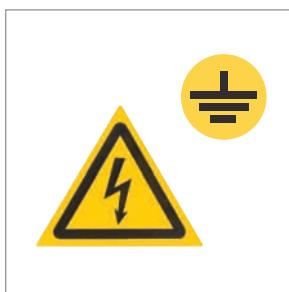
Speedbar has a window for meter reading and a slotted hole for accessing the protection device.



Foamed PUR sealing.

4

Configuration



Electrical safety signs



Gland seals (for IP54 type empty enclosures)

Designations

SCHU-1/1-0 74 Y1 IP54

- SCH** – empty enclosures
U – metering
1, 3 – meter type (single-, three-phase)
1 – number of meters
0 – modification number
0 – without a speedbar
1 – with a speedbar in the form of a door
7 – coating type
7 – PC/sharkskin
4 – paint color
4 – RAL 7032 ■
Y1 – climate type
IP54 – protection degree

Range

	Name	Meter type	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHU 1/1-0 74 Y1 IP54	1	2	310×300×150	No. of inputs: 2 holes Ø28 mm (on bottom)	RAL 7032	MKM51-N-01-54
					Weight: 3,9 kg		
	SCHU 1/2-0 74 Y1 IP54	1	2	310×420×150	No. of inputs: 2 holes Ø28 mm (on bottom)	RAL 7032	MKM51-N-02-54
					Weight: 5,3 kg		
	SCHU 3/1-0 74 Y1 IP54	3	3	395×310×150	No. of inputs: 3 holes Ø28 mm (on bottom)	RAL 7032	MKM51-N-03-54
					Weight: 5,0 kg		
	SCHU 1/1-1 74 Y1 IP54	1	6 (4 and 2)	310×300×150	No. of inputs: 2 holes Ø28 mm (on bottom)	RAL 7032	MKM51-N-04-54
					Weight: 5,3 kg		
	SCHU 3/1-1 74 Y1 IP54	3	12 (4, 4, 4)	445×400×150	No. of inputs: 2 holes Ø28 mm (on bottom)	RAL 7032	MKM51-N-09-54
					Weight: 8,7 kg		

Metal empty enclosures installation kit

The kit is intended for metal empty enclosures mounting.

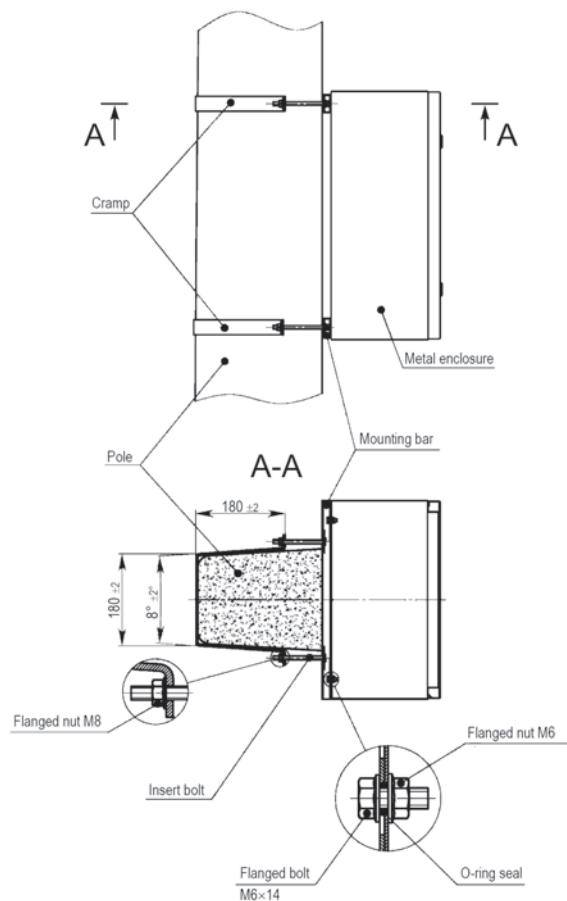
- On reinforced concrete poles of SV95 and SV105 type – cramp fastening;
- On circular section poles (up to 350 mm in diameter) – mounting band fastening.

Max. weight of the fastened electric service panel – 80 kg.

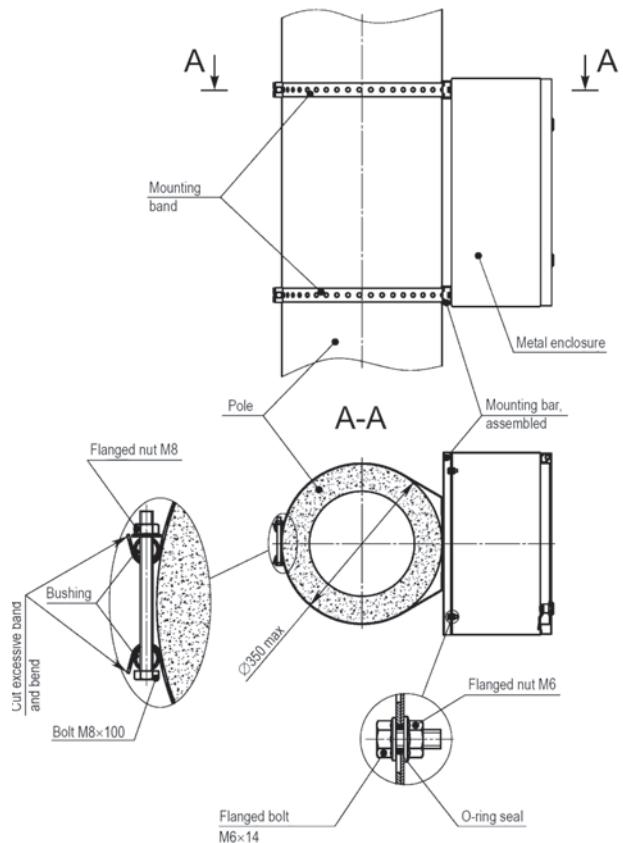
Name	Product ID	Components	Cramp fastening	Mounting band fastening
	Installation kit for fastening the metal empty enclosure to the pole with a mounting band	YKK-0-125		
	Installation kit for fastening the metal empty enclosure to the pole with a cramp	YKK-0-126		
		Mounting bar, pcs.	2	–
		Assembled mounting bar, pcs.	–	2
		Cramp, pcs.	2	–
		Mounting band, pcs.	–	2
		Insert bolt, pcs.	4	–
		Gland, pcs.	–	4
		Bolt M8x100, pcs.	–	2
		Flange bolt M6x14, pcs.	4	4
		Flange nut M6, pcs.	4	4
		Flange nut M8, pcs.	4	2
		O-ring, pcs.	4	4
		Passport, copies	1	1
		Packaging, sets	1	1

4

Cramp fastening scheme



Mounting band fastening scheme



Modular distribution (SCHRn) and metering and distribution empty enclosures (SCHURn), LIGHT series

LIGHT series empty enclosures are intended for assembling electrical distribution panels using modular equipment, electric power input and distribution (SCHRn empty enclosures), electric power accounting and distribution (SCHURn empty enclosures) as well as protecting networks of 230/400 V from short circuit and overcurrents.



Made in
Russia

Advantages

- Stylish ergonomic design.
- Stiff light construction.
- Impact resistant plastic cover made of self-extinguishing plastic.
- Dismountable DIN-rail.
- Zinc plated rail for N and PE (in definite types) bus mounting.
- Top and bottom inlet ports.
- Increased space (till 25 mm) between the rear wall and DIN-rails for easy cabling.
- Possibility to install electric installation devices (EU sockets, keyswitches etc.).
- Option of installing a single-phase electric meter to the DIN-rail.
- Easy and convenient assembly.
- Box sealing option.
- Boosted corrosion resistance.

Technical Features:

Mounting	surface
Metal gauge	0,8 mm
Rated current	100 A
Coating	powder sharkskin, moire
Color	RAL 7035, RAL 9016, RAL 9005
Protection	IP31
Meter type	single-phase on a DIN-rail
Equipment type	modular
Cable lead-in	top and bottom

Design Features



Dismountable casing consists of a base and facing panel.



Additional stiffening plates.



Bottom right section hosts a PE unit designed for connecting internal and external protective conductors.



Installation zinc-coated rail for N and PE buses (for definite models).



Special openings for wall mounting.



"r"-marked models are supplemented with 3 slots for mounting fixed built-in EU sockets or keyswitches in a three-pieces frame.

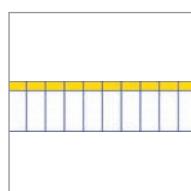


DIN-rail mounting span is increased up to 127 mm (5').

Configuration



Glands



Marking plate



Electrical safety signs

Color



RAL 7035



RAL 9010



RAL 9005

Designations

SCHRn-12r-1 36 IP31 LIGHT

SCH – empty enclosure
R – distribution
n – surface type
12-48 – max. number of modules
r – availability of slots for installing fixed sockets, keyswitches etc.
1 – modification number
3 – coating type
 3 – EPR/sharkskin
 4 – EPR/moire
6 – paint color
 6 – RAL 7035 
 8 – RAL 9010 
 1 – RAL 9005 
IP31 – protection degree
LIGHT – series name

SCHURn-1/12r-1 36 IP31 LIGHT

SCH – empty enclosure
UR – metering and distribution
n – surface type
1 – single-phase meter type
12-36 – max. number of modules
r – availability of slots for installing fixed sockets, keyswitches etc.
1 – modification number
3 – coating type
 3 – EPR/sharkskin
 4 – EPR/moire
6 – paint color
 6 – RAL 7035 
 8 – RAL 9010 
 1 – RAL 9005 
IP31 – protection degree
LIGHT – series name

Range

Surface distribution empty enclosures	Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHRn-24-1 36 IP31 LIGHT	24	271×300×109	No. of inputs: 3 holes Ø28 mm (on top and bottom)	RAL7035	MKM14-N-24-30-Z-L
	SCHRn-24-1 38 IP31 LIGHT				RAL9010	MKM13-N-24-30-Z-L
	SCHRn-24-1 41 IP31 LIGHT				RAL9005	MKM12-N-24-30-Z-L
	SCHRn-36-1 36 IP31 LIGHT	36	398×300×109	No. of inputs: 3 holes Ø28 mm (on top and bottom)	RAL7035	MKM14-N-36-30-Z-L
	SCHRn-36-1 38 IP31 LIGHT				RAL9010	MKM13-N-36-30-Z-L
	SCHRn-36-1 41 IP31 LIGHT				RAL9005	MKM12-N-36-30-Z-L
	SCHRn-48-1 36 IP31 LIGHT	48	525×300×109	No. of inputs: 5 holes Ø28 mm (on top and bottom)	RAL7035	MKM14-N-48-30-Z-L
	SCHRn-48-1 38 IP31 LIGHT				RAL9010	MKM13-N-48-30-Z-L
	SCHRn-48-1 41 IP31 LIGHT				RAL9005	MKM12-N-48-30-Z-L
	SCHRn-12r-1 36 IP31 LIGHT	12	271×300×109	No. of inputs: 3 holes Ø28 mm (on top and bottom)	RAL7035	MKM14-N-12-30-Z-R-L
	SCHRn-12r-1 38 IP31 LIGHT				RAL9010	MKM13-N-12-30-Z-R-L
	SCHRn-12r-1 41 IP31 LIGHT				RAL9005	MKM12-N-12-30-Z-R-L
	SCHRn-24r-1 36 IP31 LIGHT	24	398×300×109	No. of inputs: 3 holes Ø28 mm (on top and bottom)	RAL7035	MKM14-N-24-30-Z-R-L
	SCHRn-24r-1 38 IP31 LIGHT				RAL9010	MKM13-N-24-30-Z-R-L
	SCHRn-24r-1 41 IP31 LIGHT				RAL9005	MKM12-N-24-30-Z-R-L
	SCHRn-36r-1 36 IP31 LIGHT	36	525×300×109	No. of inputs: 5 holes Ø28 mm (on top and bottom)	RAL7035	MKM14-N-36-30-Z-R-L
	SCHRn-36r-1 38 IP31 LIGHT				RAL9010	MKM13-N-36-30-Z-R-L
	SCHRn-36r-1 41 IP31 LIGHT				RAL9005	MKM12-N-36-30-Z-R-L

Surface metering and distribution empty enclosures	Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHURn-1/12-1 36 IP31 LIGHT	12	300×300×109	No. of inputs: 2 holes Ø28 mm (on top) and 3 holes Ø28 mm (on bottom)	RAL7035	MKM21-N-12-30-O-L
	SCHURn-1/12-1 38 IP31 LIGHT				RAL9010	MKM22-N-12-30-O-L
	SCHURn-1/12-1 41 IP31 LIGHT				RAL9005	MKM23-N-12-30-O-L
	SCHURn-1/24-1 36 IP31 LIGHT	24	427×300×109	No. of inputs: 2 holes Ø28 mm (on top) and 3 holes Ø28 mm (on bottom)	RAL7035	MKM21-N-24-30-O-L
	SCHURn-1/24-1 38 IP31 LIGHT				RAL9010	MKM22-N-24-30-O-L
	SCHURn-1/24-1 41 IP31 LIGHT				RAL9005	MKM23-N-24-30-O-L
	SCHURn-1/36-1 36 IP31 LIGHT	36	554×300×109	No. of inputs: 4 holes Ø28 mm (on top) and 5 holes Ø28 mm (on bottom)	RAL7035	MKM21-N-36-30-O-L
	SCHURn-1/36-1 38 IP31 LIGHT				RAL9010	MKM22-N-36-30-O-L
	SCHURn-1/36-1 41 IP31 LIGHT				RAL9005	MKM23-N-36-30-O-L
	SCHURn-1/12r-1 36 IP31 LIGHT	12	427×300×109	No. of inputs: 2 holes Ø28 mm (on top) and 3 holes Ø28 mm (on bottom)	RAL7035	MKM21-N-12-30-O-R-L
	SCHURn-1/12r-1 38 IP31 LIGHT				RAL9010	MKM22-N-12-30-O-R-L
	SCHURn-1/12r-1 41 IP31 LIGHT				RAL9005	MKM23-N-12-30-O-R-L
	SCHURn-1/24r-1 36 IP31 LIGHT	24	554×300×109	No. of inputs: 4 holes Ø28 mm (on top) and 5 holes Ø28 mm (on bottom)	RAL7035	MKM21-N-24-30-O-R-L
	SCHURn-1/24r-1 38 IP31 LIGHT				RAL9010	MKM22-N-24-30-O-R-L
	SCHURn-1/24r-1 41 IP31 LIGHT				RAL9005	MKM23-N-24-30-O-R-L

Modular distribution empty enclosures SCHRn and SCHRv, UNIVERSAL series

Distribution empty enclosures SCHRn and SCHRv of UNIVERSAL series are designed for assembling electrical distribution panels using modular equipment, for electric power supply and distribution as well as protecting networks of 230/400 V from short circuit and overcurrents.

Correspond to EN 62208



4

Made in
Russia

Advantages

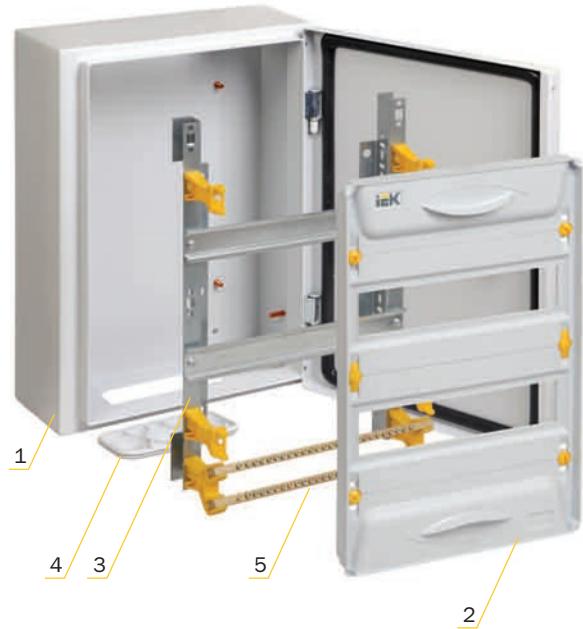
- Easy and convenient mounting at the expense of dismountable mounting frame.
- Full package.
- Convenient N and PE bus location.
- and bottom inlets. Cross-functional cable entries.
- Increased space between the rear wall and DIN-rails for easy cabling.
- Empty enclosure sealing option.
- Solid construction.
- Unified model range.
- High electrical safety.
- Stylish ergonomic design.

Technical Features:

Mounting	surface, flush
Metal gauge	0,8 mm
Rated current	up to 125 A
Coating	powder sharkskin, sharkskin, moire
Color	RAL 7032, RAL 7035, RAL 9005, RAL 9016
Protection	surface - IP54, flush – IP31
Equipment type	modular
Cable lead-in	top and bottom

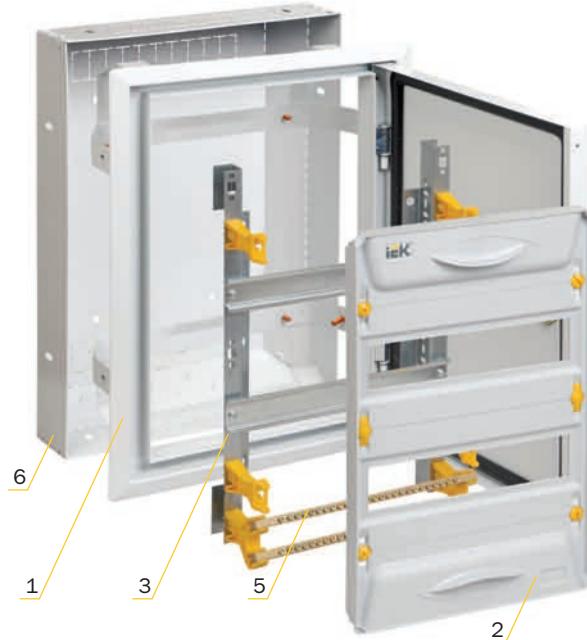
Design Features

SCHRn



- 1 – housing
- 2 – speedbar and plastic elements
- 3 – mounting frame
- 4 – cable entry glands
- 5 – N and PE buses
- 6 – protection cover

SCHRv



Protective speedbar excludes electric shock in the process of ready unit exploitation.



N and PE buses are fixed to the stand holders that are installed into the mounting profile slots with the help of latches.
Such bus location provides for more convenient cable lead-in.



IP54 type is provided with foamed PUR sealing.



Flush empty enclosures can host an additional protective perforated housing that facilitates the process mounting the empty enclosure into the bay.

Configuration



Mounting frame



Speedbar and plastic elements



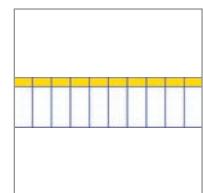
Cable entry gland



N and PE buses



Plug



Marking plate



Electrical safety signs



Grounding and empty enclosure mounting set (for SCHRn)

4

Color



RAL 7035



RAL 9016



RAL 9005



RAL 7032

Designations

SCHRn-24z-1 74 IP54 UNIVERSAL

SCHR –	distribution empty enclosure
n –	surface type
24 –	number of installed modules: 24, 36, 48, 2×24, 2×36, 2×48
z –	lock included
1 –	modification number
74 –	type, color*, coating surface structure: 74 – PC/sharkskin
IP54 –	protection degree
UNIVERSAL –	series name

SCHRx-24zn-1 36 IP31 UNIVERSAL

SCHR –	distribution empty enclosure
n –	flush
24 –	number of installed modules: 24, 36, 48, 2×24, 2×36, 2×48
z –	lock included
k –	protective housing included
1 –	modification number
36 –	type, color*, coating surface structure: 36 – EPR/sharkskin, RAL 7035 (light-grey) 38 – EPR/sharkskin, RAL 9010 (white) 41 – EPR/sharkskin, RAL 9005 (black)
IP31 –	protection degree
UNIVERSAL –	series name

* Any color of the coating is available.

Range

Flush distribution empty enclosures	Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHRv-24z-1 36 IP31 UNIVERSAL	24	Body: 480×352×138. Bay: 455×330×135	Inlets position: top, bottom, rear. Weight: 4,18 kg	RAL7035	MKM12-V-24-31-Z-U
	SCHRv-24z-1 38 IP31 UNIVERSAL	24			RAL9010	MKM13-V-24-31-Z-U
	SCHRv-24z-1 41 IP31 UNIVERSAL	24			RAL9005	MKM11-V-24-31-Z-U
	SCHRv-36z-1 36 IP31 UNIVERSAL	36	Body: 605×352×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-36-31-Z-U
	SCHRv-36z-1 38 IP31 UNIVERSAL	36	Bay: 580×330×135	Weight: 4,92 kg	RAL9010	MKM13-V-36-31-Z-U
	SCHRv-36z-1 41 IP31 UNIVERSAL	36			RAL9005	MKM11-V-36-31-Z-U
	SCHRv-48z-1 36 IP31 UNIVERSAL	48	Body: 730×352×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-48-31-Z-U
	SCHRv-48z-1 38 IP31 UNIVERSAL	48	Bay: 705×330×135	Weight: 5,86 kg	RAL9010	MKM13-V-48-31-Z-U
	SCHRv-48z-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-48-31-Z-U
	SCHRv-2x24z-1 36 IP31 UNIVERSAL	48	Body: 480×662×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-2x24-31-Z-U
	SCHRv-2x24z-1 38 IP31 UNIVERSAL	48	Bay: 455×640×135	Weight: 7,83 kg	RAL9010	MKM13-V-2x24-31-Z-U
	SCHRv-2x24z-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-2x24-31-Z-U
	SCHRv-2x36z-1 36 IP31 UNIVERSAL	72	Body: 605×662×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-2x36-31-Z-U
	SCHRv-2x36z-1 38 IP31 UNIVERSAL	72	Bay: 580×640×135	Weight: 9,22 kg	RAL9010	MKM13-V-2x36-31-Z-U
	SCHRv-2x36z-1 41 IP31 UNIVERSAL	72			RAL9005	MKM11-V-2x36-31-Z-U
	SCHRv-2x48z-1 36 IP31 UNIVERSAL	96	Body: 730×662×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-2x48-31-Z-U
	SCHRv-2x48z-1 38 IP31 UNIVERSAL	96	Bay: 705×640×135	Weight: 11,04 kg	RAL9010	MKM13-V-2x48-31-Z-U
	SCHRv-2x48z-1 41 IP31 UNIVERSAL	96			RAL9005	MKM11-V-2x48-31-Z-U



Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
SCHRv-24zk-1 36 IP31 UNIVERSAL	24	Body: 480×352×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-24-31-ZK-U
SCHRv-24zk-1 38 IP31 UNIVERSAL	24	Bay: 455×330×135	Weight: 5,42 kg	RAL9010	MKM13-V-24-31-ZK-U
SCHRv-24zk-1 41 IP31 UNIVERSAL	24			RAL9005	MKM11-V-24-31-ZK-U



SCHRv-36zk-1 36 IP31 UNIVERSAL	36	Body: 605×352×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-36-31-ZK-U
SCHRv-36zk-1 38 IP31 UNIVERSAL	36	Bay: 580×330×135	Weight: 6,45 kg	RAL9010	MKM13-V-36-31-ZK-U
SCHRv-36zk-1 41 IP31 UNIVERSAL	36			RAL9005	MKM11-V-36-31-ZK-U



SCHRv-48zk-1 36 IP31 UNIVERSAL	48	Body: 730×352×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-48-31-ZK-U
SCHRv-48zk-1 38 IP31 UNIVERSAL	48	Bay: 705×330×135	Weight: 7,66 kg	RAL9010	MKM13-V-48-31-ZK-U
SCHRv-48zk-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-48-31-ZK-U



SCHRv-2x24zk-1 36 IP31 UNIVERSAL	48	Body: 480×662×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-2x24-31-ZK-U
SCHRv-2x24zk-1 38 IP31 UNIVERSAL	48	Bay: 455×640×135	Weight: 9,92 kg	RAL9010	MKM13-V-2x24-31-ZK-U
SCHRv-2x24zk-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-2x24-31-ZK-U



SCHRv-2x36zk-1 36 IP31 UNIVERSAL	72	Body: 605×662×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-2x36-31-ZK-U
SCHRv-2x36zk-1 38 IP31 UNIVERSAL	72	Bay: 580×640×135	Weight: 11,74 kg	RAL9010	MKM13-V-2x36-31-ZK-U
SCHRv-2x36zk-1 41 IP31 UNIVERSAL	72			RAL9005	MKM11-V-2x36-31-ZK-U



SCHRv-2x48zk-1 36 IP31 UNIVERSAL	96	Body: 730×662×138.	Inlets position: top, bottom, rear.	RAL7035	MKM12-V-2x48-31-ZK-U
SCHRv-2x48zk-1 38 IP31 UNIVERSAL	96	Bay: 705×640×135	Weight: 14,01 kg	RAL9010	MKM13-V-2x48-31-ZK-U
SCHRv-2x48zk-1 41 IP31 UNIVERSAL	96			RAL9005	MKM11-V-2x48-31-ZK-U

Surface distribution empty enclosures	Name	No. of modules	Overall dimensions (H×W×D), mm	Features	Color	Product ID
	SCHRn-12z-1 74 IP54 UNIVERSAL	12	315×310×136	Inlets position: bottom 70×140 Weight: 4,5 kg	RAL7032	MKM11-N-12-54-Z-U
	SCHRn-24z-1 74 IP54 UNIVERSAL	24	440×310×136	Inlets position: bottom 70×140 Weight: 5,02 kg	RAL7032	MKM11-N-24-54-Z-U
	SCHRn-36z-1 74 IP54 UNIVERSAL	36	565×310×136	Inlets position: bottom 70×140 Weight: 6,11 kg	RAL7032	MKM11-N-36-54-Z-U
	SCHRn-48z-1 74 IP54 UNIVERSAL	48	690×310×136	Inlets position: bottom 70×140 Weight: 7,22 kg	RAL7032	MKM11-N-48-54-Z-U
	SCHRn-2x24z-1 74 IP54 UNIVERSAL	48	440×620×136	Inlets position: bottom 70×140 Weight: 9,43 kg	RAL7032	MKM11-N-2x24-54-Z-U
	SCHRn-2x36z-1 74 IP54 UNIVERSAL	72	565×620×136	Inlets position: bottom 70×140 Weight: 11,41 kg	RAL7032	MKM11-N-2x36-54-Z-U
	SCHRn-2x48z-1 74 IP54 UNIVERSAL	96	690×620×136	Inlets position: bottom 70×140 Weight: 13,46 kg	RAL7032	MKM11-N-2x48-54-Z-U

Accessories to UNIVERSAL series empty enclosures

	Name	No. of ports	Max. current, A	Max. conductor size, mm ² tip	Max. conductor size, mm ² no tip	Min. bus size, mm ²	Package amount, pcs multiple	Product ID transport
	N bus (neutral)* 8×12 mm 26/2 (26 units/side fixation)	24	125	16	35	30	2	YNN21-26-125
	UNIVERSAL isolator-holder ISK-1							YIS50-K05
	Plug 12 modules grey UNIVERSAL							YIS50-12-K03
	Dummy panel end element grey UNIVERSAL							YIS50-TFP-K03
	Dummy panel end element transparent UNIVERSAL							YIS50-TFP-K08
	Dummy panel connector yellow UNIVERSAL							YIS50-SSFP-K05
	Dummy panel holder yellow UNIVERSAL							YIS50-SFP-K05
	Dummy panel main element grey UNIVERSAL							YIS50-OFP-K03
	Dummy panel main element transparent UNIVERSAL							YIS50-OFP-K08
	Dummy panel retainer screw yellow UNIVERSAL							YIS50-FVFP-K05
	Gland grey UNIVERSAL							YIS50-VS-K03

* For more detailed bus information see page 309.

Floor distribution empty enclosures SCHE

These empty enclosures are used for assembling floor distribution panels intended for accepting and distributing electric power within residential and public buildings as well as for protecting outgoing lines in case of overloads and short circuit.

Welded metal empty enclosure consists of three compartments: lead in and accounting, distribution and the one for weak-current equipment.

Lead in accounting and distribution compartments host perforated plates for meter mounting (corresponding to the number of flats). Main line cut off device can be installed in the same compartment. There are DIN-rails for group line units and elements for N and PE bus mounting located in the distribution compartment equipped with a speedbar.

Weak-current equipment compartment is provided with perforated profiles for laying television and radio networks, telephone lines, security alarm systems, house intercoms etc.

Correspond to EN 62208



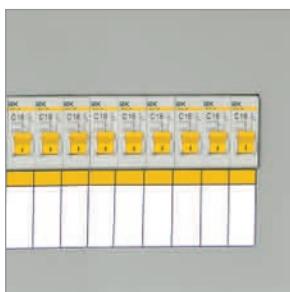
Advantages

- Boosted corrosion resistance.
- High quality coating.
- High performance and easy assembly.
- Convenient mounting.
- High electrical safety.
- Empty enclosure sealing option.
- Quality certificate.
- Service life – not less than 25 years.

Technical Features:

Mounting	flush, possible wall mounting
Metal gauge	1,0 mm
Rated current per one flat	50 A
Coating	powder, sharkskin
Color	RAL 7035
Protection	IP31
Door opening angle	105°

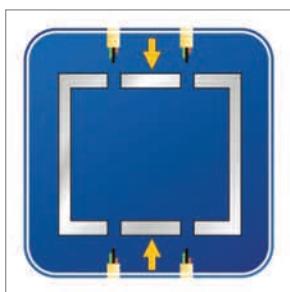
Design features



Number of modules per flat:
 – up to 9 modules in SCHE-H-1 and SCHE-H-6 for 1, 2, 3, 4 flats
 – up to 7 modules in SCHE-H-1270 for 5 and 6 flats



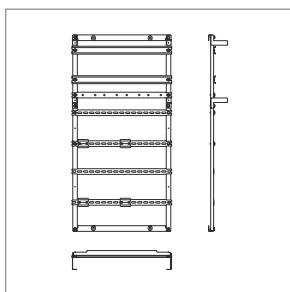
Surface mounting is possible when additional case is used.



The enclosure can be installed after a main line is installed.



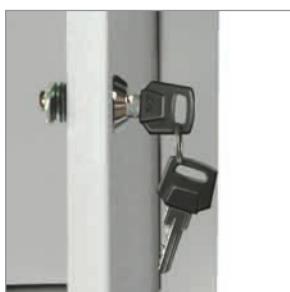
Input/metering compartment has windows to read meter indication.



Detachable mounting frame allows for installation of 1-phase or 3-phase electric meters without additional adapters.



The metering compartment is sealable.



Individual door for each compartment. Keys for different compartments are not the same.



Detachable mounting panel in SCHE-H-6 enclosures.

Accessories for SCHE-H-1 enclosures

"High voltage" and "Ground" signs
 Marking plate
 DIN rails
 Busbars N 649 8/1
 Busbars N 649 8/2
 Insulators for DIN rail
 U733M clamp
 Fixing hardware

Accessories for SCHE-H-6* enclosures

Data Sheet
 Assembly instruction
 "High voltage" and "Ground" signs
 Marking plate
 Fixing hardware

* Mounting kits for SCHE-X-6 should be ordered separately.

Designations

SCHE-2-1 36 УХЛ3 IP31

SCHE – floor distribution empty enclosure
2, 3, 4 – number of meters
1 – design No.
3 – coating type
3 – EPR/sharkskin
6 – paint color
6 – RAL 7035 ■
УХЛ3 – climate type
IP31 – protection degree

SCHE-2-6 36 УХЛ3 IP31

SCHE – floor distribution empty enclosure
2, 3, 4 – number of meters
6 – design No
3 – coating type
3 – EPR/sharkskin
6 – paint color
6 – RAL 7035 ■
УХЛ3 – climate type
IP31 – protection degree

Range

	Name	Overall dimensions (H×W×D), mm	Weight, kg	Color	Product ID
	SCHE-2-1 36 УХЛ3 IP31	Body: 1000×960×140. Bay: 950×900×140	19,9 17,0	RAL 7035 RAL 7035	MKM42-02-31 MKM42-2-6-31
	SCHE-3-1 36 УХЛ3 IP31	Body: 1000×960×140. Bay: 950×900×140	20,3 17,0	RAL 7035 RAL 7035	MKM42-03-31 MKM42-3-6-31
	SCHE-4-1 36 УХЛ3 IP31	Body: 1000×960×140. Bay: 950×900×140	20,3 17,0	RAL 7035 RAL 7035	MKM42-04-31 MKM42-4-6-31
	SCHE-5-1270 36 UHL3	Body : 1275×958×157 Bay: 1200×900×140	24,5	RAL 7035	MKM42-05-1270-31
	SCHE-6-1270 36 UHL3	Body : 1275×958×157 Bay: 1200×900×140	24,8	RAL 7035	MKM42-06-1270-31
Supplementary accessories	Case for surface-mounted variant	994×954×157	8,5	RAL 7035	MKM42-00-31
	Case for surface-mounted variant of SCHE-1270 enclosures	1269×954×157	9,5	RAL 7035	MKM42-1270-31
	SCHE-2 mounting kit				MKM-40-2
	SCHE-3 mounting kit				MKM-40-3
	SCHE-4 mounting kit				MKM-40-4

Composition of mounting kits

	Number in mounting kit		
	SCHE-2	SCHE-3	SCHE-4
U-733M branching clamp (16-35/1.5-10 mm ²) IP20 IEK	5	5	5
SHNI-649-8-D-S IEK N neutral bus on DIN insulator	2	3	4
PEN ground/neutral bus 649 mm 8/2 (8 groups / fixing by ends) IEK	2	3	4
Screw M4×10	4	6	8

Modular floor distribution empty enclosures UERM

These empty enclosures are used for building on their basis modular floor distribution panels (UERM). In its turn, UERM is intended for electric power supply, accounting and distribution in 330/220 V networks as well as for installing various weak-current equipment (television and radio networks, telephone lines, house intercoms etc.) and automatic systems for commercial measurement of power consumption (ASCMPC/ASKUE).

UERM casing represents a prefabricated structure consisting of separate elements: cable tray (KET) for laying a power supply cable, communication and alarm tray (KSS), accounting and distribution boxes (YAUR) as well as expansion compensators for height adjustment.

Correspond to EN 62208



4

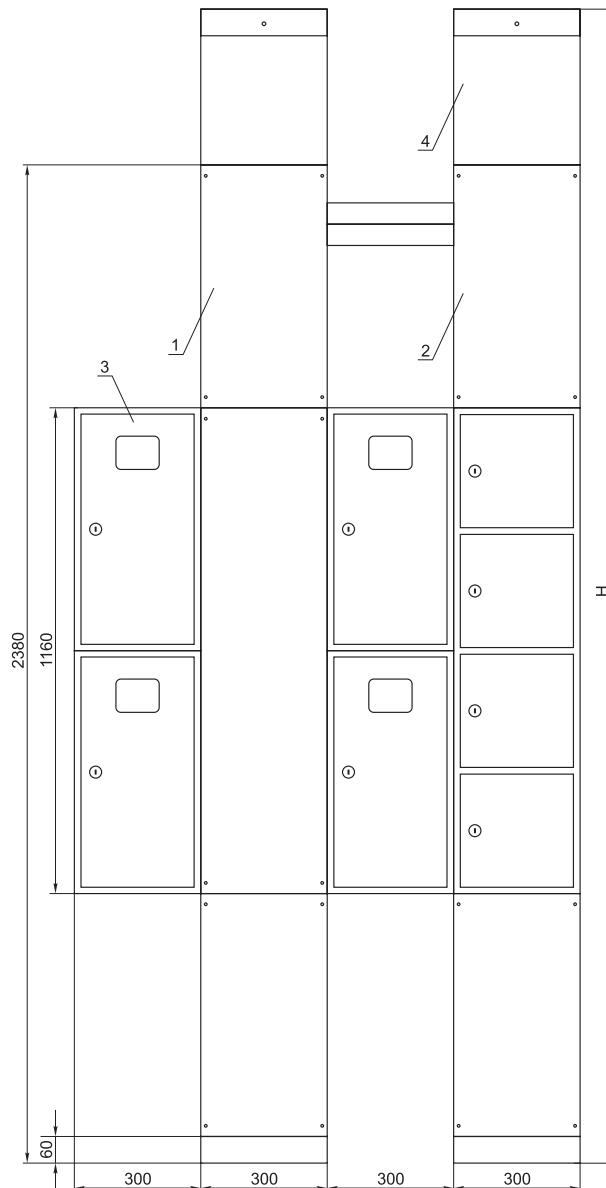
Advantages

- Easy mounting and service ensured by the dismountable facing and amounting plates.
- Right and left position assembly option depending on the required type.
- Lightweight of separate units provides for easy handling and mounting on any floor.
- Wide range, different type units from 2500 to 3850 mm in height.
- Improved corrosion resistance.
- Easy assembly.

Technical Features:

Mounting	floor-standing wall-mounting
Metal gauge	0,8 ÷ 1,0 mm
Coating	powder, sharkskin
Color	RAL 7035
Protection	IP31

Design Features



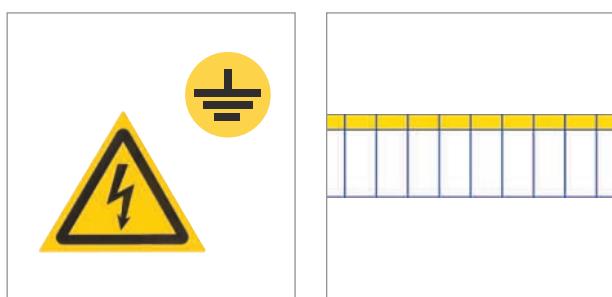
- 1 – KET tray
2 – KSS tray
3 – YAUR
4 – Height compensator

Type	H, mm
UERM-x-2500	2500
UERM-x-2600	2600
UERM-x-2700	2700
UERM-x-2800	2800
UERM-x-2850	2850
UERM-x-2950	2950
UERM-x-3300	3300
UERM-x-3850	3850

Range

Name	Product ID
Height compensator for UERM-x-2500	IND-KOMP-2500-1
Height compensator for UERM-x-2600	IND-KOMP-2600-1
Height compensator for UERM-x-2700	IND-KOMP-2700-1
Height compensator for UERM-x-2800	IND-KOMP-2800-1
Height compensator for UERM-x-2850	IND-KOMP-2850-1
Height compensator for UERM-x-2950	IND-KOMP-2950-1
Height compensator for UERM-x-3300	IND-KOMP-3300-1
Height compensator for UERM-x-3850	IND-KOMP-3850-1
KSS tray	IND-KSS-1
KET tray	IND-KET-1
Accounting and distribution box YAUR-3/12	IND-YAUR-3-12

Configuration



Electrical safety signs

Marking plate

Low-voltage electrical switchboards (LVES)

Lighting panels for industrial & public buildings: OSCHV, UOSCHV

They are intended for accepting and distributing electric power in residential and industrial premises as well as protecting AC networks of 230/400 V from short circuit and overloads. The panels host input three-polar, single-polar MCBs and N/PE buses.



Advantages

- Heightened corrosion resistance.
- High quality coating.
- Short design.
- Entirely welded body.
- High performance and easy handling.
- High electrical safety.
- Quality certificate.

Technical Features:

Mounting	flush, surface
Metal gauge	0,8-1,0 mm
Coating	powder, sharkskin
Color	RAL 7035
Protection degree	IP31
Door opening angle	105°
Equipment type	modular
Rated operating voltage	230/400 V
Rated frequency	50 Hz
Rated insulation voltage	600 V
Grounding system type	TN-C, TN-S

Design Features



Undismountable metal box with a locking door.



Speedbar saves from electric shock at operation.

Interpretation of Designations

OSCHV-3-63-6-0 36 УХЛ4

OSCHV – lighting panel with a switch
OSCHV – sinkable lighting panel with a switch
3 – three-phase
63 – incoming circuit breaker of 63A
6 – number of group lines
0 – modification
0 – all 16 A group line circuit breakers
3 – coating type
3 – EPR/sharkskin
5 – EPR/gloss
6 – paint color
6 – RAL 7035
УХЛ4 – climate type
IP31 – protection degree



Group units joining is carried out with the help of a three-row connecting bus.

Range

	Name	Overall dimensions (H×W×D), mm	30	Weight, kg	Product ID
	OSCHV-3-63-6-0 36 УХЛ4 IP31	Body: 210×245×120	Input: VA47-29 3p 63 A Group: VA47-29 1p 16 A - 6 psc.	3,3	MSM10-3N-06-31
	OSCHV-3-63-12-0 36 УХЛ4 IP31	Body: 210×410×120	Input: VA47-29 3p 63 A Group: VA47-29 1p 16 A - 12 psc.	5,3	MSM10-3N-12-31
	OSCHV-3-100-12-0 36 УХЛ4 IP31	Body: 210×410×120	Input: VA47-100 3p 100 A Group: VA47-29 1p 16 A - 12 psc.	5,3	MSM10-3N-100-12-31
	UOSCHV-3-63-6-0 36 УХЛ4 IP31	Body: 275×320×120. Bay: 230×275×125	Input: VA47-29 3p 63 A Group: VA47-29 1p 16 A - 6 psc.	3,4	MSM10-3V-06-31
	UOSCHV-3-63-12-0 36 УХЛ4 IP31	Body: 275×450×120. Bay: 230×405×125	Input: VA47-29 3p 63 A Group: VA47-29 1p 16 A - 12 psc.	5,4	MSM10-3V-12-31
	UOSCHV-3-100-12-0 36 УХЛ4 IP31	Body: 275×450×120. Bay: 230×405×125	Input: VA47-100 3p 100 A Group: VA47-29 1p 16 A - 12 psc.	5,4	MSM10-3V-100-12-31

YATP step-down transformer boxes

They are intended for supplying local or maintenance lighting as well as for connecting portable lights and tools.

YATP boxes are enclosed into a dismountable metal box hosting:

- single-phase step-down transformer OSO-0,25, 250 W;
- VA47-29 MCBs;
- plug.

Correspond to EN 61439.



4

Advantages

- Heightened corrosion resistance.
- High quality coating.
- Short design.
- Entirely welded body.
- High performance and easy handling.
- High electrical safety.
- Quality certificate.

Technical Features:

Mounting	surface
Overall dimensions (H×W×D)	127×230×142 mm
Number of inputs	2 holes Ø14 mm (on the side)
Rated frequency	50 Hz
Rated insulation voltage	600 V
Max. permitted prospective current value KZ	4,5 kA
Protection degree	IP30
Grounding system type	TN-C, TN-S
Color	RAL 7035
Weight	6,0 kg

Interpretation of Designations

YATP-0,25 220/12-2 36 УХЛ4 IP30

YATP – step down transformer box

0,25 – step down transformer power, 250 VA

220/380 – primary voltage, V

12/24/36/42 – secondary voltage, V

2 – modification (2 – 2 MCBs,

3 – 3 MCBs)

3 – coating type

3 – EPR/sharkskin

6 – paint color

6 – RAL 7035

УХЛ4 – climate type

IP30 – protection degree

Range

	Name	Primary voltage	Secondary voltage	Product ID
	YATP-0,25 220/12-3 36 УХЛ4 IP30	220	12	MTT13-012-0250
	YATP-0,25 220/24-3 36 УХЛ4 IP30	220	24	MTT13-024-0250
	YATP-0,25 220/36-3 36 УХЛ4 IP30	220	36	MTT13-036-0250
	YATP-0,25 220/42-3 36 УХЛ4 IP30	220	42	MTT13-042-0250
	YATP-0,25 380/12-3 36 УХЛ4 IP30	380	12	MTT21-012-0250
	YATP-0,25 380/24-3 36 УХЛ4 IP30	380	24	MTT21-024-0250
	YATP-0,25 380/36-3 36 УХЛ4 IP30	380	36	MTT21-036-0250
	YATP-0,25 380/42-3 36 УХЛ4 IP30	380	42	MTT21-042-0250
	YATP-0,25 220/12-2 36 УХЛ4 IP30	220	12	MTT12-012-0250
	YATP-0,25 220/24-2 36 УХЛ4 IP30	220	24	MTT12-024-0250
	YATP-0,25 220/36-2 36 УХЛ4 IP30	220	36	MTT12-036-0250
	YATP-0,25 220/42-2 36 УХЛ4 IP30	220	42	MTT12-042-0250

RUSP switchgear for construction sites

RUSP switchgear for construction sites are intended for safe power distribution and connecting various electric loads.

Application area is not limited to construction sites. These boards can be also used in gardeners' partnerships, garage consumer co-operatives and in many other situations where it is necessary to ensure the safe power equipment application.

Correspond to EN 61439-4



4

Made in
Russia

Advantages

- Heightened corrosion resistance.
- High quality coating.
- Short design.
- High performance and easy handling.
- High electrical safety.
- Quality certificate.
- Possible wall mounting.
- Power indication.

Technical Features:

Rated voltage	400/230 V
Rated frequency	50 Hz
Rated primary voltage	40...80 A
Rated secondary voltage	16 A, 32 A
Rated insulation voltage	600 V
Max. permitted prospective current value KZ	4,5 kA
Climatic version	Y1
Protection degree	IP44
Grounding system type	TN-S
Color	RAL 7032

Design Features

- Protecting of the users from electric shock at accidental contact with conducting parts of electric equipment or in case of insulation damage.
- Protection against fire outbreak through earth leakages in places of insulation damage.
- Protection of outgoing lines from overloads and short circuit.

Configuration



Stands



Handle



Cover

Interpretation of Designations

RUSP-3x16/3+1x16/5+1x32/5-74 Y1 IP44

RUSP – switchgear for construction sites

3x16/3 – 3 – number of sockets

16/3 – current, A/number of contacts

7 – coating type – EPR/sharkskin

4 – paint color

4 – RAL 7032

Y1 – climate type

IP44 – protection degree

Range

	Name	Overall panel dimensions, mm (H×W×D)	Overall dimensions in ready-assembled state, mm (H×W×D)	Product ID
	RUSP - 3×16/3+3×16/5-74 Y1 IP44	322×522×160	570×522×303	YKM80-330-54
	RUSP - 3×16/3+2×16/5-74 Y1 IP44	322×475×160	570×475×303	YKM80-320-54
	RUSP - 3×16/3+2×16/5+1×32/5-74 Y1 IP44	322×522×160	570×522×303	YKM80-321-54
	RUSP - 3×16/3+1×32/5-74 Y1 IP44	257×409×160	505×409×160	YKM80-301-54
	RUSP - 3×16/3+1×16/5-74 Y1 IP44	257×409×160	505×409×160	YKM80-310-54
	RUSP - 3×16/3+1×16/5+1×32/5-74 Y1 IP44	322×475×160	570×475×303	YKM80-311-54
	RUSP - 6×16/3+2×16/4 74 Y1 IP44	637×342×160	910×342×160	YKM80-323-54

Selection table

Name	Plug, IP44				Residual current device			RCCB	MCB				
	414 s/u 3P+PE 16 A	415 s/u 3P+N+PE 16 A	425 s/u 3P+N+PE 32 A	AD-14 2P+PE 16 A/ 250 V	AD-14 4P 40 A	AD-14 4P 50 A	AD-14 4P 63 A	VD-1-63 80 A	VA47-29 1P 16 A feat. B	VA47-29 3P 16 A feat. B	VA47-29 3P 20 A feat. B	VA47-29 3P 32 A feat. B	VA47-100 3P 80 A feat. C
RUSP - 3×16/3+3×16/5	3							1		3	3		
RUSP - 3×16/3+2×16/5	2							1		3	2		
RUSP - 3×16/3+2×16/5+1×32/5	2	1	3						1	3	2		1
RUSP - 3×16/3+1×32/5			1	3				1		3			1
RUSP - 3×16/3+1×16/5	1			3	1					3	1		
RUSP - 3×16/3+1×16/5+1×32/5	1	1	3					1		3	1		1
RUSP - 6×16/3+2×16/4	2			6		1			6		2		

Boxes of YARP series with knife switch and fuses

Designed for not frequent switching and protection against short-circuit currents in 3-phase AC circuits of voltage 400/230 V and frequency 50 Hz. VR-32I switch-disconnector, three DP-33 fuse holders with PPNI-33 (size 00C) fuse are installed inside the enclosure. Cable inputs/outputs are located on the bottom side. Control handle of VR32I switch-disconnector is installed outside.



Advantages

- Installation outdoors is possible.
- High level of electrical safety.
- All-welded enclosure.
- Improved corrosion resistance.
- Compliance certificate.

Technical characteristics:

Type of mounting	surface-mounted
Thickness of metal, mm	1.0
Rated operating voltage, V	400
Degree of protection	IP54
Climatic version	U1
Cable input	bottom
Color	RAL7032
Degree of protection according to GOST R IEC 536-94	I
Type of grounding system	TN-S

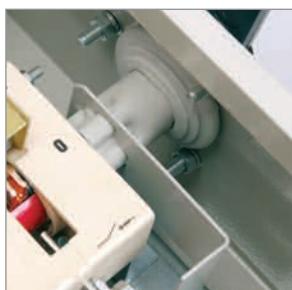
Design features



Additional enclosure apron prevents dirt and water from entering when door is opened.



Gasket of the switch-disconnector drive axle ensures degree of protection IP54.



Door locking mechanism ensures high level of electrical safety.



Tight sealing from foamed polyurethane protects from ingress of moisture and dust.

Structure of designation

YARP-100A 74 U1 IP54

YARP: box with knife switch and fuses

100A: rated current in incoming and outgoing lines 100 A
7: type of coating – polyester powder paint / sharkskin
4: paint color RAL7032

Products' range

	Description	Overall dimensions (H×W×D)	Rated current in incoming and outgoing lines, A	Weight, kg	Product ID
	YARP-100A 74 U1 IP54	380×240×150	100	4,11	YARP-100-74-54
	YARP-250A 74 U1 IP54	585×300×175	250	7,09	YARP-250-74-54
	YARP-400A 74 U1 IP54	665×325×190	400	8,48	YARP-400-74-54

Electric Metal empty enclosures

Large size dismountable metal empty enclosures, KSRM

These empty enclosures are applied for assembling low-voltage control devices: main distribution panels, lead-in distributors, automation and control cabinets.

The empty enclosure comprises a dismountable frame made of perforated profile hosting the door, side panels, rear panel, top and base. Inside the empty enclosure, there is enough place for installing different components: mounting panels, support rods, straps, angle bars, DIN-rails etc. for the subsequent mounting of electric units, bus bars, electrical-installation equipment and accessories.

Correspond to EN 62208.



Made in
Russia

4

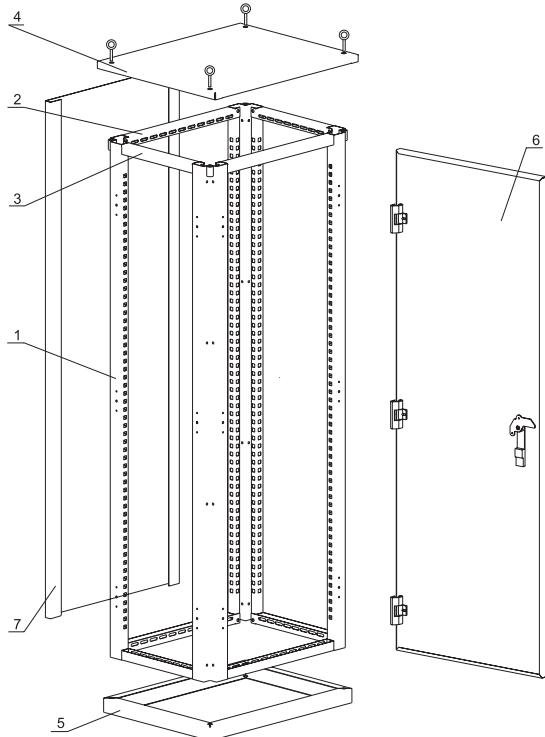
Advantages

- Universal construction.
- Possibility to hang a door on any side.
- Connection of the empty enclosures into a block.
- High corrosion resistance.
- High-quality coating.
- Set of additional accessories.
- High performance and easy assembly.
- Easy mounting, transporting and storage.
- High electrical safety.

Technical Features

Mounting	floor
Rated current	630 A
Metal gauge	1,4 mm
Coating	powder, sharkskin
Color	RAL 7035
Protection	IP31
Door opening angle	160°
Equipment type	any

Design Features



- 1 - Upright posts – 4 pcs.
- 2 - Front buckles – 4 pcs.
- 3 - Lateral buckles – 4 pcs.
- 4 - Top – 1 pcs.
- 5 - Base – 1 pcs.
- 6 - Door – 1 pcs.
- 7 - Rear panel – 1 pcs.

Completeness of separate elements (units)

Unit 1

Upright posts

Unit 2

Top, base, lateral and front buckles, lock, hinge straps, hardware, passport and assembly instruction.

Unit 3

Door, rear panel.

Interpretation of Designations

KSRM 16.6.4-1-36 УХЛ3 IP31

KSRM – large size dismountable metal empty enclosure

16 – height, dm.

6 – width, dm.

4 – depth, dm.

1 – modification number

3 – coating type

3 – EPR/sharkskin

6 – paint color

6 – RAL 7035

УХЛ3 – climate type

IP31 – protection degree

Side panel 16.4-36

Side panel 16.4 – standard size

16 – height, dm.

4 – depth, dm.

3 – coating type

3 – EPR/sharkskin

6 – paint color

6 – RAL 7035

Range



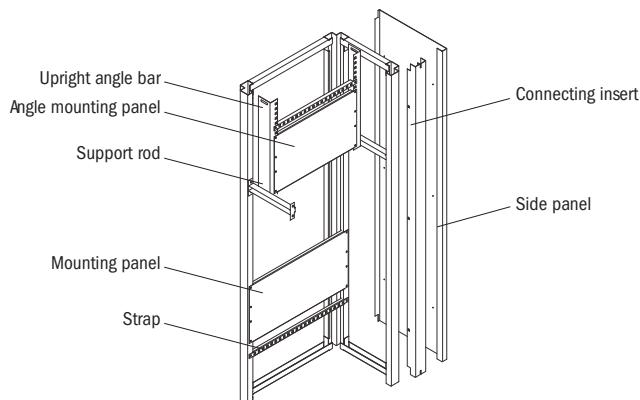
Name	Product ID
KSRM 16.x.x. Unit 1	YKM30-M1-16
KSRM 18.x.x. Unit 1	YKM30-M1-18
KSRM 20.x.x. Unit 1	YKM30-M1-20
KSRM xx.6.4-2 36 УХЛ3 IP31 Unit 2	YKM30-M2-64-36
KSRM xx.6.6-2 36 УХЛ3 IP31 Unit 2	YKM30-M2-66-36
KSRM xx.6.8-2 36 УХЛ3 IP31 Unit 2	YKM30-M2-68-36
KSRM xx.8.4-2 36 УХЛ3 IP31 Unit 2	YKM30-M2-84-36
KSRM xx.8.6-2 36 УХЛ3 IP31 Unit 2	YKM30-M2-86-36
KSRM xx.8.8-2 36 УХЛ3 IP31 Unit 2	YKM30-M2-88-36
KSRM 16.6.x-2 36 УХЛ3 IP31 Unit 3	YKM30-M3-166-36
KSRM 16.8.x-2 36 УХЛ3 IP31 Unit 3	YKM30-M3-168-36
KSRM 18.6.x-2 36 УХЛ3 IP31 Unit 3	YKM30-M3-186-36
KSRM 18.8.x-2 36 УХЛ3 IP31 Unit 3	YKM30-M3-188-36
KSRM 20.6.x-2 36 УХЛ3 IP31 Unit 3	YKM30-M3-206-36
KSRM 20.8.x-2 36 УХЛ3 IP31 Unit 3	YKM30-M3-208-36

4

KSRM Unit Selection Table

Box/Units	Unit 1			Unit 2						Unit 3					
	KSRM 16.x.x.	KSRM 18.x.x.	KSRM 20.x.x.	KSRM xx.6.4-2	KSRM xx.6.6-2	KSRM xx.6.8-2	KSRM xx.8.4-2	KSRM xx.8.6-2	KSRM xx.8.8-2	KSRM 16.6.x-2	KSRM 16.8.x-2	KSRM 18.6.x-2	KSRM 18.8.x-2	KSRM 20.6.x-2	KSRM 20.8.x-2
Metal empty enclosure KSRM 16.6.4-2	1			1						1					
Metal empty enclosure KSRM 16.6.6-2	1				1						1				
Metal empty enclosure KSRM 16.6.8-2	1					1					1				
Metal empty enclosure KSRM 16.8.4-2	1						1				1				
Metal empty enclosure KSRM 16.8.6-2	1							1			1				
Metal empty enclosure KSRM 16.8.8-2	1								1		1				
Metal empty enclosure KSRM 18.6.4-2		1		1							1				
Metal empty enclosure KSRM 18.6.6-2		1			1							1			
Metal empty enclosure KSRM 18.6.8-2		1				1						1			
Metal empty enclosure KSRM 18.8.4-2			1			1						1			
Metal empty enclosure KSRM 18.8.6-2			1				1					1			
Metal empty enclosure KSRM 18.8.8-2			1					1				1			
Metal empty enclosure KSRM 20.6.4-2				1	1								1		
Metal empty enclosure KSRM 20.6.6-2				1		1							1		
Metal empty enclosure KSRM 20.6.8-2				1			1						1		
Metal empty enclosure KSRM 20.8.4-2				1				1					1		
Metal empty enclosure KSRM 20.8.6-2				1					1				1		
Metal empty enclosure KSRM 20.8.8-2				1						1			1		

KSRM Accessories



Name	Purpose	Mounting position	Overall dimensions	Color	Complete set		Product ID
					mea. unit	pcs.	
Side panel 16.4-36	Covers side KSRM openings ensuring electric safety and preventing unauthorized persons from accessing the panel.	From outer and lateral sides of the empty enclosure onto the upright posts. When assembling several empty enclosures into one block – onto the upright posts from the outer lateral sides of the block.	1600×400	RAL 7035	set	2	YKM30-BP-16-04-36
Side panel 16.6-36			1600×600	RAL 7035	set	2	YKM30-BP-16-06-36
Side panel 16.8-36			1600×800	RAL 7035	set	2	YKM30-BP-16-08-36
Side panel 18.4-36			1800×400	RAL 7035	set	2	YKM30-BP-18-04-36
Side panel 18.6-36			1800×600	RAL 7035	set	2	YKM30-BP-18-06-36
Side panel 18.8-36			1800×800	RAL 7035	set	2	YKM30-BP-18-08-36
Side panel 20.4-36			2000×400	RAL 7035	set	2	YKM30-BP-20-04-36
Side panel 20.6-36			2000×600	RAL 7035	set	2	YKM30-BP-20-06-36
Side panel 20.8-36			2000×800	RAL 7035	set	2	YKM30-BP-20-08-36
Mounting panel 300×590	Intended for mounting different electric installations.	Inside the empty enclosure onto the upright posts.	300×590	zinc-plated	set	2	YKM30-MP-030-059
Mounting panel 300×790			300×790	zinc-plated	set	2	YKM30-MP-030-079
Mounting panel 500×590			500×590	zinc-plated	set	2	YKM30-MP-050-059
Mounting panel 500×790			500×790	zinc-plated	set	2	YKM30-MP-050-079
Mounting panel 300×490 for the angle bars	Intended for mounting different electric installations.	Inside the empty enclosure onto the upright angles (to ensure the possibility of panel adjustment according to the body depth).	300×490	zinc-plated	set	2	YKM30-MPU-030-049
Mounting panel 300×690 for the angle bars			300×690	zinc-plated	set	2	YKM30-MPU-030-069
Mounting panel 500×490 for the angle bars			500×490	zinc-plated	set	2	YKM30-MPU-050-049
Mounting panel 500×690 for the angle bars			500×690	zinc-plated	set	2	YKM30-MPU-050-069
Strap 25×390	Used for installing single electric units or several devices with a unified mounting height dimension.	Inside the empty enclosure onto the upright posts or angles (to ensure the possibility of panel adjustment according to the body depth).	25×390	zinc-plated	set	2	YKM30-PL-039
Strap 25×590			25×590	zinc-plated	set	2	YKM30-PL-059
Strap 25×790			25×790	zinc-plated	set	2	YKM30-PL-079
Connection insert 1600-36	Applied when connecting several empty enclosures into one block.	From the outer front sides of the empty enclosure between the adjoining upright posts.	1600×63×48	RAL 7035	set	1	YKM30-SV-1600-36
Connection insert 1800-36			1800×63×48	RAL 7035	set	1	YKM30-SV-1800-36
Connection insert 2000-36			2000×63×48	RAL 7035	set	1	YKM30-SV-2000-36
Upright angle 490	Used for fastening mounting panels and straps (to ensure the possibility of adjusting the elements position according to the body depth).	Inside the empty enclosure onto lateral buckles or support rods.	490×42×52	zinc-plated	set	2	YKM30-UV-0490
Upright angle 1590			1590×42×52	zinc-plated	set	2	YKM30-UV-1590
Upright angle 1790			1790×42×52	zinc-plated	set	2	YKM30-UV-1790
Upright angle 1990			1990×42×52	zinc-plated	set	2	YKM30-UV-1990
Support rod 250	Applied when installing the upright angle of 490mm to ensure the possibility of its adjustment according to the body depth).	Inside the empty enclosure between the lateral upright posts.	80×250×24	zinc-plated	set	2	YKM30-RO-250
Support rod 450			80×450×24	zinc-plated	set	2	YKM30-RO-450
Support rod 650			80×650×24	zinc-plated	set	2	YKM30-RO-650

VRU all-welded enclosures of TITAN series

Input/distribution switchboards are designed for reception, distribution and metering of electric power in 3-phase networks 400/230 VAC, protection of lines against overload and short-circuit currents and also for not frequent operative switching.

Metal VRU enclosure of TITAN IEK® series is constructed as all-welded framework made from steel sheets that is highly resistant to corrosion. The all-welded enclosures have rigidity and mechanical strength that is unprecedented for modern market of low-voltage equipment, due to use of special manufacturing technologies. The fields of VRU application are civil engineering and industrial plants.



Advantages

- Use of modern technologies – additional rigidity of the structure.
- The range of products includes enclosures with degree of protection IP54.
- Wide selection of optional accessories from galvanized steel.
- Enhanced functionality.
- Wide range of products.
- Options of door hinges location.
- Improved corrosion resistance.
- High level of electrical safety.
- Highly practical and simple assembling.
- Compliance certificate.

Technical characteristics

Type of mounting	floor-standing
Metal thickness	1.4 mm
Degree of protection	IP31, IP54
Rated current	up to 630 A
Type of coating	powder coat, sharkskin
Color	RAL 7035 for IP31, RAL 7032 for IP54
Climatic version	UHL3 for IP31, U2 for IP54
Door opening angle	130°
Cable input	bottom

Design features



Adjustable depth of mounting panel installation.



Door can be hanged to any side.



Convenient input of cables.
Special removable panel is located in VRU bottom.



Document holding pocket on the door.



Eyebolts allow for connection of slings to the unit.



All accessory sets include hardware for fixing in the enclosure.

Structure of designation

VRU-1 20.80.60 IP31 TITAN floor-standing all-welded cabinet

VRU: input/distribution cabinet

1: one-door variant

20: height 2000 mm

80: width 800 mm

60: depth 600 mm

IP31: degree of protection acc. to GOST 14254

TITAN: series name

Products' range



Description	Product ID
Floor-standing all-welded cabinet VRU-1 18.45.45 IP31 TITAN	YKM1-C3-1844-31
Floor-standing all-welded cabinet VRU-1 18.60.45 IP31 TITAN	YKM1-C3-1864-31
Floor-standing all-welded cabinet VRU-1 18.60.60 IP31 TITAN	YKM1-C3-1866-31
Floor-standing all-welded cabinet VRU-1 18.80.45 IP31 TITAN	YKM1-C3-1884-31
Floor-standing all-welded cabinet VRU-1 18.80.60 IP31 TITAN	YKM1-C3-1886-31
Floor-standing all-welded cabinet VRU-1 20.45.45 IP31 TITAN	YKM1-C3-2044-31
Floor-standing all-welded cabinet VRU-1 20.60.45 IP31 TITAN	YKM1-C3-2064-31
Floor-standing all-welded cabinet VRU-1 20.60.60 IP31 TITAN	YKM1-C3-2066-31
Floor-standing all-welded cabinet VRU-1 20.80.45 IP31 TITAN	YKM1-C3-2084-31
Floor-standing all-welded cabinet VRU-1 20.80.60 IP31 TITAN	YKM1-C3-2086-31
Floor-standing all-welded cabinet VRU-1 18.45.45 IP54 TITAN	YKM1-C3-1844-54
Floor-standing all-welded cabinet VRU-1 18.60.45 IP54 TITAN	YKM1-C3-1864-54
Floor-standing all-welded cabinet VRU-1 18.80.45 IP54 TITAN	YKM1-C3-1884-54
Floor-standing all-welded cabinet VRU-1 18.80.60 IP54 TITAN	YKM1-C3-1886-54
Floor-standing all-welded cabinet VRU-1 20.45.45 IP54 TITAN	YKM1-C3-2044-54
Floor-standing all-welded cabinet VRU-1 20.60.45 IP54 TITAN	YKM1-C3-2064-54
Floor-standing all-welded cabinet VRU-1 20.60.60 IP54 TITAN	YKM1-C3-2066-54
Floor-standing all-welded cabinet VRU-1 20.80.45 IP54 TITAN	YKM1-C3-2084-54
Floor-standing all-welded cabinet VRU-1 20.80.60 IP54 TITAN	YKM1-C3-2086-54



Floor-standing all-welded cabinet VRU-2 18.45.45 IP31 TITAN	YKM2-C3-1844-31
Floor-standing all-welded cabinet VRU-2 18.60.45 IP31 TITAN	YKM2-C3-1864-31
Floor-standing all-welded cabinet VRU-2 18.60.60 IP31 TITAN	YKM2-C3-1866-31
Floor-standing all-welded cabinet VRU-2 18.80.45 IP31 TITAN	YKM2-C3-1884-31
Floor-standing all-welded cabinet VRU-2 18.80.60 IP31 TITAN	YKM2-C3-1886-31
Floor-standing all-welded cabinet VRU-2 20.45.45 IP31 TITAN	YKM2-C3-2044-31
Floor-standing all-welded cabinet VRU-2 20.60.45 IP31 TITAN	YKM2-C3-2064-31
Floor-standing all-welded cabinet VRU-2 20.60.60 IP31 TITAN	YKM2-C3-2066-31
Floor-standing all-welded cabinet VRU-2 20.80.45 IP31 TITAN	YKM2-C3-2084-31
Floor-standing all-welded cabinet VRU-2 18.45.45 IP54 TITAN	YKM2-C3-1844-54
Floor-standing all-welded cabinet VRU-2 18.60.45 IP54 TITAN	YKM2-C3-1864-54
Floor-standing all-welded cabinet VRU-2 18.60.60 IP54 TITAN	YKM2-C3-1866-54
Floor-standing all-welded cabinet VRU-2 18.80.45 IP54 TITAN	YKM2-C3-1884-54
Floor-standing all-welded cabinet VRU-2 18.80.60 IP54 TITAN	YKM2-C3-1886-54
Floor-standing all-welded cabinet VRU-2 20.45.45 IP54 TITAN	YKM2-C3-2044-54
Floor-standing all-welded cabinet VRU-2 20.60.45 IP54 TITAN	YKM2-C3-2064-54
Floor-standing all-welded cabinet VRU-2 20.60.60 IP54 TITAN	YKM2-C3-2066-54
Floor-standing all-welded cabinet VRU-2 20.80.45 IP54 TITAN	YKM2-C3-2084-54
Floor-standing all-welded cabinet VRU-2 20.80.60 IP54 TITAN	YKM2-C3-2086-54



Floor-standing all-welded cabinet VRU-3 20.60.45 IP31 TITAN	YKM3-C3-2064-31
Floor-standing all-welded cabinet VRU-3 20.60.45 IP54 TITAN	YKM3-C3-2064-54

Accessories for VRU cabinets of TITAN series *

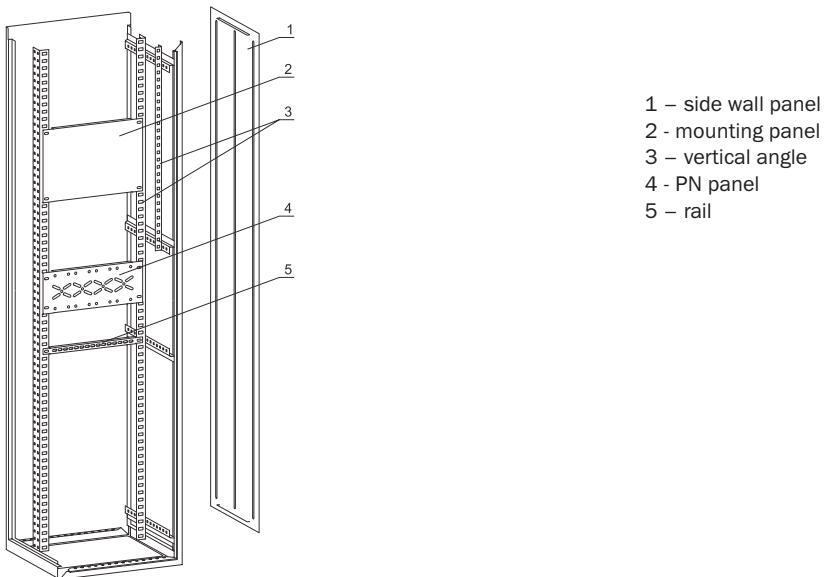


Table for selection of accessories for VRU cabinets of TITAN series

Description	Purpose	Location	Overall dimensions, mm	Scope of supply		Product ID
				Unit	pcs.	
Side wall panel for VRU 18.XX.45 IP31 TITAN	Covers side openings of VRU frame, ensures electrical safety, prevents foreign objects from entering the cabinet	VRU 1800×450	1800×450×1	set	2	YKV10-PB-1845-31
Side wall panel for VRU 18.XX.60 IP31 TITAN		VRU 1800×600	1800×600×1	set	2	YKV10-PB-1860-31
Side wall panel for VRU 20.XX.45 IP31 TITAN		VRU 2000×450	2000×450×1	set	2	YKV10-PB-2045-31
Side wall panel for VRU 20.XX.60 IP31 TITAN		VRU 2000×600	2000×600×1	set	2	YKV10-PB-2060-31
Side wall panel for VRU 18.XX.45 IP54 TITAN		VRU 1800×450	1800×450×1	set	2	YKV10-PB-1845-54
Side wall panel for VRU 18.XX.60 IP54 TITAN		VRU 1800×600	1800×600×1	set	2	YKV10-PB-1860-54
Side wall panel for VRU 20.XX.45 IP54 TITAN		VRU 2000×450	2000×450×1	set	2	YKV10-PB-2045-54
Side wall panel for VRU 20.XX.60 IP54 TITAN		VRU 2000×600	2000×600×1	set	2	YKV10-PB-2060-54
Mounting panel 250×265 TITAN	For mounting of various electric devices	Metering compartment of VRU-3	250×265×1,5	set	2	YKV10-PM-250-265
Mounting panel 250×365 TITAN		Cabinet of width 450 mm, input compartment of VRU-3	250×365×1,5	set	2	YKV10-PM-250-365
Mounting panel 250×530 TITAN		Cabinet of width 600 mm	250×530×1,5	set	2	YKV10-PM-250-530
Mounting panel 250×730 TITAN		Cabinet of width 800 mm	250×730×1,5	set	2	YKV10-PM-250-730
Mounting panel 500×265 TITAN		Metering compartment of VRU-3	500×265×1,5	set	2	YKV10-PM-500-265
Mounting panel 500×365 TITAN		Cabinet of width 450 mm	500×365×1,5	set	2	YKV10-PM-500-365
Mounting panel 500×530 TITAN		Cabinet of width 600 mm	500×530×1,5	set	2	YKV10-PM-500-530
Mounting panel 500×730 TITAN		Cabinet of width 800 mm	500×730×1,5	set	2	YKV10-PM-500-730
Panel PN-365 TITAN	For installation of fuse holders	Cabinet of width 450 mm	142×365×1,5	set	3	YKM40-PN-365
Panel PN-530 TITAN		Cabinet of width 600 mm	142×530×1,5	set	3	YKM40-PN-530
Panel PN-730 TITAN		Cabinet of width 800 mm	142×730×1,5	set	3	YKM40-PN-730
Rail 265 TITAN	For installation of single electric devices or several devices of same installation height	Metering compartment of VRU-3	23×265×1,5	set	2	YKM40-P-265
Rail 365 TITAN		Cabinet of width 450 mm	23×365×1,5	set	2	YKM40-P-365
Rail 530 TITAN		Cabinet of width 600 mm	23×530×1,5	set	2	YKM40-P-530
Rail 730 TITAN		Cabinet of width 800 mm	23×730×1,5	set	2	YKM40-P-730
Vertical angle 600 TITAN	For installation of mounting rails, mounting panels	Metering compartment of VRU-2, VRU-3	600×25×25	set	2	YKV10-UV-600
Vertical angle 700 TITAN		VRU-1 (for lightweight devices)	700×25×25	set	2	YKV10-UV-700
Vertical angle 900 TITAN		Input compartment of VRU-2, height 1800 mm	900×50×34	set	2	YKV10-UV-900
Vertical angle 1100 TITAN		Input compartment of VRU-2, VRU-3, height 2000 mm	1100×50×34	set	2	YKV10-UV-1100
Vertical angle 1550 TITAN		VRU-1 of height 1800 mm	1550×50×34	set	2	YKV10-UV-1550
Vertical angle 1750 TITAN		VRU-1 of height 2000 mm	1750×50×34	set	2	YKV10-UV-1750

* Accessories to be ordered separately.

Lead-in distribution empty enclosures, VRU

Lead-in distribution empty enclosures are intended for electric power supply, accounting and distribution with 400/230 V voltage in three-phase AC networks (frequency - 50 Hz) as well as for protecting the lines at short circuits and overloads. They are also designed for often operation actuation and power-offs.

VRU metal empty enclosure is noted for its dismountable construction consisting of lateral frames installed on a base and connected with buckles. Lateral frames host a door, rear panel and top. Dismountable side panels help to reduce the expenses when assembling the empty enclosures into blocks.

Cabling and wiring is organized below the empty enclosure.

Correspond to EN 62208.



4

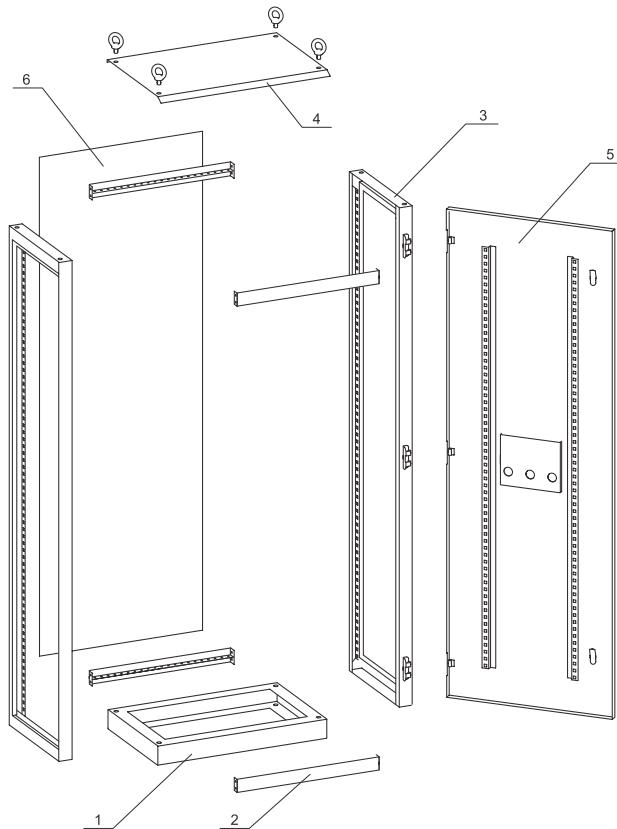
Advantages

- High corrosion resistance.
- Elaborated empty enclosure construction providing for more efficient use of operating space.
- High quality coating.
- Universal construction.
- Possibility to hang a door on any side.
- Set of additional accessories made of zinc plated steel.
- High performance and easy assembly.
- Easy mounting, transporting and storage.
- Connecting empty enclosures into blocks.
- High electrical safety.
- Quality certificate

Technical Features

Mounting	floor
Metal gauge	1,4 mm
Rated current	up to 630 A
Coating	powder, sharkskin
Color	RAL 7035
Protection	IP31
Door opening angle	130°
Equipment type	any

Design Features



- 1 - Base – 1 pcs.
- 2 - Buckles – 4 pcs.
- 3 - Lateral frame – 2 pcs.
- 4 - Top – 1 pcs.
- 5 - Door – 1 pcs.
- 6 - Rear panel – 1 pcs.

Completeness of separate elements (units)

Unit 1

Base, top, buckles, safety devices pocket, hinge straps, locks, hardware, assembly instruction.

Unit 2

Lateral frame – 2 pcs.

Unit 3

Door, rear panel, documents pocket.

Designations

VRU XX.XX.XX 0 36 Unit No. X

VRU – lead-in distribution device

XX – height, dm.

XX – width, cm.

XX – depth, cm.

0 – modification number

3 – coating type: EPR/sharkskin

6 – paint color: RAL 7035

Unit No. X – unit number

Side panel for VRU 18.XX.40

18 – height, dm.

XX – width cm.

40 – depth, cm.

Range



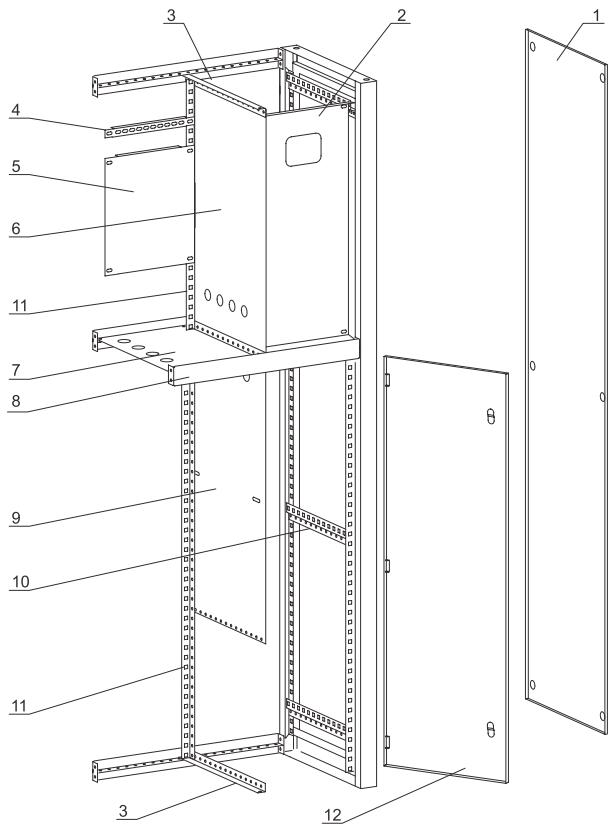
Name	Product ID
VRU xx.45.40 0-36 unit No. 1	YKV10-M1-XX4540 0-36
VRU xx.63.40 0-36 unit No. 1	YKV10-M1-XX6340 0-36
VRU xx.80.40 0-36 unit No. 1	YKV10-M1-XX8040 0-36
VRU xx.63.60 0-36 unit No. 1	YKV10-M1-XX6360 0-36
VRU xx.80.60 0-36 unit No. 1	YKV10-M1-XX8060 0-36
VRU 18.xx.40 0-36 unit No. 2	YKV10-M2-18XX40 0-36
VRU 20.xx.40 0-36 unit No. 2	YKV10-M2-20XX40 0-36
VRU 18.xx.60 0-36 unit No. 2	YKV10-M2-18XX60 0-36
VRU 20.xx.60 0-36 unit No. 2	YKV10-M2-20XX60 0-36
VRU 18.45.xx 0-36 unit No. 3	YKV10-M3-1845XX 0-36
VRU 18.63.xx 0-36 unit No. 3	YKV10-M3-1863XX 0-36
VRU 18.80.xx 0-36 unit No. 3	YKV10-M3-1880XX 0-36
VRU 20.45.xx 0-36 unit No. 3	YKV10-M3-2045XX 0-36
VRU 20.63.xx 0-36 unit No. 3	YKV10-M3-2063XX 0-36
VRU 20.80.xx 0-36 unit No. 3	YKV10-M3-2080XX 0-36

4

VRU Unit Selection Table

Name	VRU 18.45.40	VRU 18.63.40	VRU 18.80.40	VRU 18.63.60	VRU 18.80.60	VRU 20.45.40	VRU 20.63.40	VRU 20.80.40	VRU 20.63.60	VRU 20.80.60
VRU xx.45.40 0-36 unit No. 1	1	1				1	1			
VRU xx.63.40 0-36 unit No. 1			1		1			1		
VRU xx.80.40 0-36 unit No. 1				1					1	
VRU xx.63.60 0-36 unit No. 1					1					1
VRU xx.80.60 0-36 unit No. 1										1
VRU 18.xx.40 0-36 unit No. 2	1	1	1							
VRU 20.xx.40 0-36 unit No. 2				1	1	1	1			
VRU 18.xx.60 0-36 unit No. 2					1				1	1
VRU 20.xx.60 0-36 unit No. 2										1
VRU 18.45.xx 0-36 unit No. 3	1	1		1						
VRU 18.63.xx 0-36 unit No. 3			1		1					
VRU 18.80.xx 0-36 unit No. 3				1						
VRU 20.45.xx 0-36 unit No. 3						1		1		
VRU 20.63.xx 0-36 unit No. 3							1		1	
VRU 20.80.xx 0-36 unit No. 3								1		1

VRU Accessories



- 1 – Side panel
- 2 – Speedbar
- 3 – Longitudinal angle bars
- 4 – Strap
- 5 – Mounting panel
- 6 – Accounting compartment baffle
- 7 – Shelf
- 8 – Buckle
- 9 – Lead-in compartment baffle
- 10 – Z-profile
- 11 – Upright angle bar (640, 1090, 1290)
- 12 – Internal door

Name	Purpose	Mounting position	Overall dimensions	Color	Complete set mea. unit	Product ID	
					pcs.		
Side panel for VRU 18.XX.40	Covers side VRU openings ensuring electric safety and preventing unauthorized persons from accessing the panel.	From outer and lateral sides of the empty enclosure into the lateral frame bay.	1710×8×392	RAL 7035	set	2	YKV10-PB-18XX40-36
Side panel for VRU 18.XX.60			1710×8×592	RAL 7035	set	2	YKV10-PB-18XX60-36
Side panel for VRU 20.XX.40			1910×8×392	RAL 7035	set	2	YKV10-PB-20XX40-36
Side panel for VRU 20.XX.60			1910×8×592	RAL 7035	set	2	YKV10-PB-20XX60-36
Shelf for VRU XX.45.40	Separates lead-in and accounting compartments.	Inside the empty enclosure onto the buckles.	1×344×392	RAL 7035	piece	1	YKV10-P-XX4540-36
Shelf for VRU XX.63.40			1×257×392	RAL 7035	piece	1	YKV10-P-XX6340-36
Shelf for VRU XX.63.60			1×257×592	RAL 7035	piece	1	YKV10-P-XX6360-36
Shelf for VRU XX.80.60			1×344×592	RAL 7035	piece	1	YKV10-P-XX8060-36
Accounting compartment baffle for VRU XX.XX.40	Divides the accounting compartment into two volumes when mounting the configuration from two lead-in lines.	Inside the empty enclosure onto the longitudinal angle bars.	639×1×392	RAL 7035	piece	1	YKV10-PU-XXXX40-36
Accounting compartment baffle for VRU XX.XX.60	Separates a part of this accounting compartment from one lead-in line at mounting.		639×1×592	RAL 7035	piece	1	YKV10-PU-XXXX60-36
Lead-in compartment baffle for VRU 18.XX.40	Divides the lead-in compartment into two volumes when mounting the configuration from two lead-in lines.	Inside the empty enclosure onto the longitudinal angle bars.	714×1×392	RAL 7035	piece	1	YKV10-PV-18XX40-36
Lead-in compartment baffle for VRU 18.XX.60	Separates a part of this lead-in compartment from one lead-in line at mounting.		714×1×592	RAL 7035	piece	1	YKV10-PV-18XX60-36
Lead-in compartment baffle for VRU 20.XX.40			914×1×392	RAL 7035	piece	1	YKV10-PV-20XX40-36
Lead-in compartment baffle for VRU 20.XX.60			914×1×592	RAL 7035	piece	1	YKV10-PV-20XX60-36
Longitudinal angle bar for VRU XX.XX.40	For installing accounting and lead-in compartment baffles and upright angle bars.	Inside the empty enclosure onto the buckles.	23×23×392	zinc-plated	set	2	YKV10-UP-XXXX40-36
Longitudinal angle bar for VRU XX.XX.60			23×23×592	zinc-plated	set	2	YKV10-UP-XXXX60-36

Name	Purpose	Mounting position	Overall dimensions	Color	Complete set mea. unit	set pcs.	Product ID
Upright angle bar 1090	Intended for straps installation, mounting panel and speedbar mounting.	Inside the empty enclosure onto the longitudinal angle bars or Z-profiles.	1090×25×25	zinc-plated	set	2	YKV10-UV-1090-36
Upright angle bar 1290			1290×25×25	zinc-plated	set	2	YKV10-UV-1290-36
Upright angle bar 640			640×25×25	zinc-plated	set	2	YKV10-UV-640-36
Strap 255	Used for installing single electric units or several devices with a unified mounting height dimension.	Inside the empty enclosure onto the upright angle bars.	23×255×10	zinc-plated	set	2	YKV10-PL-255-36
Strap 345			23×345×10	zinc-plated	set	2	YKV10-PL-345-36
Strap 520			23×520×10	zinc-plated	set	2	YKV10-PL-520-36
Z-profile for VRU XX.XX.40	For installation of accounting and lead-in compartment baffles, upright angle bars and internal door.	Inside the empty enclosure onto the lateral frames.	45×15×342	zinc-plated	set	2	YKV10-ZP-XXXX40
Z-profile for VRU XX.XX.60			45×15×542	zinc-plated	set	2	YKV10-ZP-XXXX60
Speedbar for VRU XX.45.XX	For protection from direct contact with conducting parts and preventing unauthorized persons from accessing the accounting equipment.	Inside the empty enclosure onto the upright angle bars.	595×344×30	RAL 7035	piece	1	YKV10-PO-XX45XX-36
Speedbar for VRU XX.63.XX			595×256×30	RAL 7035	piece	1	YKV10-PO-XX63XX-36
Mounting panel 300x255	Intended for mounting different electric units.	Inside the empty enclosure onto the upright angle bars.	300×255×15	zinc-plated	piece	1	YKV10-MP-300-255
Mounting panel 300x345			300×345×15	zinc-plated	piece	1	YKV10-MP-300-345
Mounting panel 300x520			300×520×15	zinc-plated	piece	1	YKV10-MP-300-520
Mounting panel 500x255			500×255×15	zinc-plated	piece	1	YKV10-MP-500-255
Mounting panel 500x345			500×345×15	zinc-plated	piece	1	YKV10-MP-500-345
Mounting panel 500x520			500×520×15	zinc-plated	piece	1	YKV10-MP-500-520
Buckle for VRU XX.45.XX	Divides the lead-in compartment into two volumes – lead-in and accounting compartments.	Between the lateral frames from the front and rear side.	50×356×25	RAL 7035	set	2	YKV10-S-XX45XX
Buckle for VRU XX.63.XX			50×531×25	RAL 7035	set	2	YKV10-S-XX63XX
Buckle for VRU XX.80.XX			50×706×25	RAL 7035	set	2	YKV10-S-XX80XX
Internal door for VRU 18.XX.XX	Used for protection from direct contact with conducting parts.	Inside the empty enclosure onto Z-profiles. Lock door stand – upright angle bar.	1046×346×18	RAL 7035	piece	1	YKV10-DV-18XXXX-36
Internal door for VRU 20.XX.XX			1246×346×18	RAL 7035	piece	1	YKV10-DV-20XXXX-36

VRU Components Selection Table

Name	VRU 18.45.40	VRU 18.63.40	VRU 18.80.40	VRU 18.63.60	VRU 18.80.60	VRU 20.45.40	VRU 20.63.40	VRU 20.80.40	VRU 20.63.60	VRU 20.80.60	Product ID
Side panel for VRU 18.XX.40	1	1	1								YKV10-PB-18XX40-36
Side panel for VRU 18.XX.60						1	1	1			YKV10-PB-18XX60-36
Side panel for VRU 20.XX.40				1	1						YKV10-PB-20XX40-36
Side panel for VRU 20.XX.60									1	1	YKV10-PB-20XX60-36
Shelf for VRU XX.45.40		2					2				YKV10-P-XX4540-36
Shelf for VRU XX.63.40	1		2			1		2			YKV10-P-XX6340-36
Shelf for VRU XX.63.60				2					2		YKV10-P-XX6360-36
Shelf for VRU XX.80.60					2					2	YKV10-P-XX8060-36
Accounting compartment baffle for VRU XX.XX.40	1	1	1			1	1	1			YKV10-PU-XXXX40-36
Accounting compartment baffle for VRU XX.XX.60				1	1				1	1	YKV10-PU-XXXX60-36
Lead-in compartment baffle for VRU 18.XX.40	1	1	1								YKV10-PV-18XX40-36
Lead-in compartment baffle for VRU 18.XX.60				1	1						YKV10-PV-18XX60-36
Lead-in compartment baffle for VRU 20.XX.40						1	1	1			YKV10-PV-20XX40-36
Lead-in compartment baffle for VRU 20.XX.60									1	1	YKV10-PV-20XX60-36
Longitudinal angle bar for VRU XX.XX.40	1	1	1			1	1	1			YKV10-UP-XXXX40-36
Longitudinal angle bar for VRU XX.XX.60				1	1				1	1	YKV10-UP-XXXX60-36
Upright angle bar 640	1	1	1	1	1	1	1	1	1	1	YKV10-UV-640-36
Upright angle bar 1090	1	1	1	1	1						YKV10-UV-1090-36
Upright angle bar 1290						1	1	1	1	1	YKV10-UV-1290-36
Strap 255		1		1			1			1	YKV10-PL-255-36
Strap 345	1		1		1	1		1		1	YKV10-PL-345-36
Strap 520		1		1			1		1		YKV10-PL-520-36
Z-profile for VRU XX.XX.40	1	1	1			1	1	1			YKV10-ZP-XXXX40
Z-profile for VRU XX.XX.60				1	1				1	1	YKV10-ZP-XXXX60
Speedbar for VRU XX.45.XX	1		2		2	1		2		2	YKV10-PO-XX45XX-36
Speedbar for VRU XX.63.XX		2		2			2		2		YKV10-PO-XX63XX-36
Mounting panel 300x255		1		1			1		1		YKV10-MP-300-255
Mounting panel 300x345	1		1		1	1			1	1	YKV10-MP-300-345
Mounting panel 300x520		1		1			1		1		YKV10-MP-300-520
Mounting panel 500x255	1			1			1		1		YKV10-MP-500-255
Mounting panel 500x345	1		1		1	1		1		1	YKV10-MP-500-345
Mounting panel 500x520		1		1			1		1		YKV10-MP-500-520
Buckle for VRU XX.45.XX	1					1					YKV10-S-XX45XX
Buckle for VRU XX.63.XX		1		1			1		1		YKV10-S-XX63XX
Buckle for VRU XX.80.XX			1		1			1		1	YKV10-S-XX80XX
Internal door for VRU 18.XX.XX	1	1	2	1	2			1			YKV10-DV-18XXXX-36
Internal door for VRU 20.XX.XX						1	1	2	1	2	YKV10-DV-20XXXX-36

2 – two packages necessary for one empty enclosure.

Enclosures with mounting panel of PRO series

Enclosures with mounting panel of PRO series are designed for assembling of various switchboards: power supply, control, automation. They allow for installation of both modular and conventional devices.

Welded metal casing with detachable mounting panel. Execution IP54 has climatic rating U1 (can be installed outdoors). SCHMP enclosures of PRO series with degree of protection IP54 are fitted with two-component sealing on the door and dust/moisture-proof lock. The IP54 enclosures also have protection apron and chute to prevent dirt and water from entering when door is opened. The enclosure door is lockable. Locks can be opened by common key.



4

Advantages

- Welded casing, fully welded joints.
- Installation of dummy panels is possible.
- Protection apron and chute of IP54 enclosures prevent dirt and water from entering when door is opened.
- Enlarged useful area of mounting panels.
- Removable cable inlets facilitate the conductors entry to the enclosure.
- Wide range of accessories.
- SCHMP of PRO series are visually distinguished by beveled corners.
- High level of electrical safety.
- High-quality external coating.
- Improved corrosion resistance.
- When lock is fitted with sealable dust/moisture-proof gaskets, enclosure protection IP54 can be upgraded to IP65.
- Fully equipped.
- Locks with common key.

Technical characteristics

Type of mounting	surface-mounted
Metal thickness	1.0 mm: SCHMP of first 3 sizes; 1.4 mm: SCHMP bigger than 3 rd size;
Rated current	up to 630 A
Type of coating	powder coat, sharkskin
Color	RAL 7032 for IP31 RAL 7035 for IP54
Degree of protection	IP31, IP54
Door opening angle	105°
Type of employed devices	any

Design features



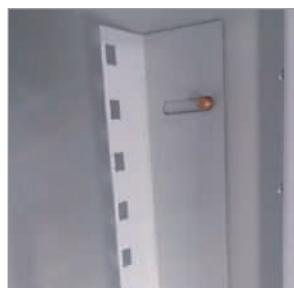
Welded casing, fully welded joints – complete tightness of enclosure.



Metal dummy panels can be installed (LG blank face panels and LMA face panels for modular circuit breakers).



Protection apron and chute of IP54 enclosures: electric equipment is protected from moisture ingress.



The angle allows for adjustment of LG and LMA panels installation depth.



SCHMP enclosures of PRO series are visually distinguished by beveled corners.



When sealable dust/moisture-proof gaskets are fitted, enclosure protection is upgraded to IP65.



Enlarged useful area of galvanized mounting panel, perforation for use of cable ties.



The IP54 version is sealed by foamed polyurethane on the door edges.



Removable cable inlets ensure easy access to equipment during installation works.



Three hinges to reinforce door structure of SCHMP PRO enclosures that are bigger than 3rd size. Three locks to ensure tight fit of the door of SCHMP PRO enclosures that are bigger than 5th size.

Scope of supply



- Electrical safety signs
- Kit for casing grounding and hanging
- Rubberized rings to ensure protection degree IP54 in fixing points

Color



RAL 7032



RAL 7035

Structure of designation

SCHMP-1-2 74 U1 IP54 PRO

SCHMP: board enclosure with mounting panel

1: casing size

2: version of PRO series

7: type of coating

3: epoxy-polyester powder paint / sharkskin

7: polyester powder paint / sharkskin

4: paint color:

4: RAL 7032

6: RAL 7035

IP54: degree of protection

PRO: series name

Products' range

Enclosures with mounting panel IP31	Description	Specifications	Overall dimensions (H×W×D), mm	Color	Product ID
	SCHMP-1-2 36 UHL3 IP31 PRO	Number of entries: 1 opening 171492 mm (bottom). Weight 6.6 kg.	Casing : 395×310×220 Panel : 370×250×15	RAL 7035	YKM42-01-31-P
	SCHMP-2-2 36 UHL3 IP31 PRO	Number of entries: 1 opening 171492 mm (bottom). Weight 9.9 kg.	Casing : 500×400×220 Panel : 475×340×15	RAL 7035	YKM42-02-31-P
	SCHMP-3-2 36 UHL3 IP31 PRO	Number of entries: 2 openings 171492 mm (bottom). Weight 14.4 kg.	Casing : 650×500×220 Panel : 625×440×15	RAL 7035	YKM42-03-31-P
	SCHMP-4-2 36 UHL3 IP31 PRO	Number of entries: 2 openings 171492 mm (bottom). Weight 23 kg.	Casing : 800×650×250 Panel : 775×585×15	RAL 7035	YKM42-04-31-P
	SCHMP-5-2 36 UHL3 IP31 PRO	Number of entries: 3 openings 171492 mm (bottom). Weight 29.7 kg.	Casing : 1000×650×285 Panel : 975×585×15	RAL 7035	YKM42-05-31-P
	SCHMP-6-2 36 UHL3 IP31 PRO	Number of entries: 3 openings 171492 mm (bottom). Weight 38 kg.	Casing : 1200×650×285 Panel : 1175×585×15	RAL 7035	YKM42-06-31-P

	Description	Specifications	Overall dimensions (H×W×D), mm	Color	Product ID
	SCHMP-7-2 36 UHL3 IP31 PRO	Number of entries: 3 openings 171×92 mm (bottom). Weight 44 kg.	Casing: 1400×650×285 Panel: 1375×585×15	RAL 7035	YKM42-07-31-P
Enclosures with mounting panel IP54	SCHMP-1-2 74 U1 IP54 PRO	Number of entries: 1 opening 171×92 mm (bottom). Weight 7 kg.	Casing: 395×310×220 Panel: 370×250×15	RAL 7032	YKM42-01-54-P
	SCHMP-2-2 74 U1 IP54 PRO	Number of entries: 1 opening 171×92 mm (bottom). Weight 10.4 kg.	Casing: 500×400×220 Panel: 475×340×15	RAL 7032	YKM42-02-54-P
	SCHMP-3-2 74 U1 IP54 PRO	Number of entries: 2 openings 171×92 mm (bottom). Weight 15 kg.	Casing: 650×500×220 Panel: 625×440×15	RAL 7032	YKM42-03-54-P
	SCHMP-4-2 74 U1 IP54 PRO	Number of entries: 2 openings 171×92 mm (bottom). Weight 26 kg.	Casing: 800×650×250 Panel: 775×585×15	RAL 7032	YKM42-04-54-P
	SCHMP-5-2 74 U1 IP54 PRO	Number of entries: 3 openings 171×92 mm (bottom). Weight 35 kg.	Casing: 1000×650×285/293* Panel: 975×585×15	RAL 7032	YKM42-05-54-P
	SCHMP-6-2 74 U1 IP54 PRO	Number of entries: 3 openings 171×92 mm (bottom). Weight 41 kg.	Casing: 1200×650×285/293* Panel: 1175×585×15	RAL 7032	YKM42-06-54-P
	SCHMP-7-2 74 U1 IP54 PRO	Number of entries: 3 openings 171×92 mm (bottom). Weight 47 kg.	Casing: 1400×650×285/293* Panel: 1375×585×15	RAL 7032	YKM42-07-54-P

Accessories for SCHMP enclosures of PRO series

LMA panel



LG panel



Angle for face panel



Description	Purpose	Location	Overall dimensions, mm	Color	Product ID
LG panel for SCHMP-1 36 PRO H=200 (set of 2 pcs.)	For protection against direct contact with live parts	Inside casing, on angles of face panel	200×260×8,5	RAL 7035	Y-PL-G-36-1-0
LG panel for SCHMP-2 36 PRO H=300 (set of 2 pcs.)			300×350×8,5	RAL 7035	Y-PL-G-36-2-0
LG panel for SCHMP-3 36 PRO H=450 (set of 2 pcs.)			450×450×8,5	RAL 7035	Y-PL-G-36-3-0
LG panel for SCHMP-4 (5,6,7) 36 PRO H=50 (set of 2 pcs.)			50×600×8,5	RAL 7035	Y-PL-G-36-4567-1-0
LG panel for SCHMP-4 (5,6,7) 36 PRO H=150 (set of 2 pcs.)			150×600×8,5	RAL 7035	Y-PL-G-36-4567-2-0
LG panel for SCHMP-4 (5,6,7) 36 PRO H=300 (set of 2 pcs.)			300×600×8,5	RAL 7035	Y-PL-G-36-4567-3-0
LG panel for SCHMP-4 (5,6,7) 36 PRO H=400 (set of 2 pcs.)			400×600×8,5	RAL 7035	Y-PL-G-36-4567-4-0
LG panel for SCHMP-4 (5,6,7) 36 PRO H=500 (set of 2 pcs.)			500×600×8,5	RAL 7035	Y-PL-G-36-4567-5-0
LG panel for SCHMP-1 74 PRO/GARANT H=200 (set of 2 pcs.)			200×260×8,5	RAL 7032	Y-PL-G-74-1-0
LG panel for SCHMP-2 74 PRO/GARANT H=300 (set of 2 pcs.)			300×350×8,5	RAL 7032	Y-PL-G-74-2-0
LG panel for SCHMP-3 74 PRO/GARANT H=450 (set of 2 pcs.)			450×450×8,5	RAL 7032	Y-PL-G-74-3-0
LG panel for SCHMP-4 (5,6,7) 74 PRO H=50 (set of 2 pcs.)			50×600×8,5	RAL 7032	Y-PL-G-74-4567-1-0
LG panel for SCHMP-4 (5,6,7) 74 PRO H=150 (set of 2 pcs.)			150×600×8,5	RAL 7032	Y-PL-G-74-4567-2-0
LG panel for SCHMP-4 (5,6,7) 74 PRO H=300 (set of 2 pcs.)			300×600×8,5	RAL 7032	Y-PL-G-74-4567-3-0
LG panel for SCHMP-4 (5,6,7) 74 PRO H=400 (set of 2 pcs.)			400×600×8,5	RAL 7032	Y-PL-G-74-4567-4-0
LG panel for SCHMP-4 (5,6,7) 74 PRO H=500 (set of 2 pcs.)			500×600×8,5	RAL 7032	Y-PL-G-74-4567-5-0
LMA panel for SCHMP-1 36 PRO (set of 2 pcs.)	For protection against direct contact with live parts	Inside casing, on angles of face panel	150×260×8,5	RAL 7035	Y-PL-O-36-5-0
LMA panel for SCHMP-2 36 PRO (set of 2 pcs.)			150×350×8,5	RAL 7035	Y-PL-O-36-6-0
LMA panel for SCHMP-3 36 PRO (set of 2 pcs.)			150×450×8,5	RAL 7035	Y-PL-O-36-3-0
LMA panel for SCHMP-4 (5,6,7) 36 PRO (set of 2 pcs.)			150×600×8,5	RAL 7035	Y-PL-O-36-4567-0
LMA panel for SCHMP-1 74 PRO/GARANT (set of 2 pcs.)			150×260×8,5	RAL 7032	Y-PL-O-74-1-0
LMA panel for SCHMP-2 74 PRO/GARANT (set of 2 pcs.)			150×350×8,5	RAL 7032	Y-PL-O-74-2-0
LMA panel for SCHMP-3 74 PRO/GARANT (set of 2 pcs.)			150×450×8,5	RAL 7032	Y-PL-O-74-3-0
LMA panel for SCHMP-4 (5,6,7) 74 PRO/GARANT (set of 2 pcs.)			150×600×8,5	RAL 7032	Y-PL-O-74-4567-0
Face panel angle for SCHMP-1 PRO (set of 2 pcs.)	For fixing of LG and LMA panels (with adjustable depth of LG and LMA panels installation)	Inside casing, on studs	324×49×36	оцинк.	Y-PL-U-1-0
Face panel angle for SCHMP-2 PRO (set of 2 pcs.)			424×49×36	оцинк.	Y-PL-U-2-0
Face panel angle for SCHMP-3 PRO (set of 2 pcs.)			574×49×36	оцинк.	Y-PL-U-3-0
Face panel angle for SCHMP-4 PRO (set of 2 pcs.)			724×49×36	оцинк.	Y-PL-U-4-0
Face panel angle for SCHMP-5 PRO (set of 2 pcs.)			924×49×36	оцинк.	Y-PL-U-5-0
Face panel angle for SCHMP-6 PRO (set of 2 pcs.)			1124×49×36	оцинк.	Y-PL-U-6-0
Face panel angle for SCHMP-7 PRO (set of 2 pcs.)			1324×49×36	оцинк.	Y-PL-U-7-0

Enclosures with mounting panel of GARANT series

SCHMP enclosures of GARANT series are designed specifically for adverse weather conditions and industrial environment. The enclosures are used for assembling of various switchboards: power supply, control, automation. They allow for installation of both modular and conventional devices. Degree of protection IP65, climatic version U1 (can be installed outdoors).

SCHMP IP65 enclosures of GARANT series are fitted with two-component sealing on the door and dust/moisture-proof lock. The enclosures also have protection apron and chute to prevent dirt and water from entering when door is opened. Due to design features, the devices are fixed to the mounting plates with adjustable depth.



Made in
Russia

Advantages

- Improved protection against external effects and adverse factors (degree of protection IP65, climatic version U1).
- Mounting panel with adjustable depth of installation.
- Installation of dummy panels is possible.
- Shaped piece for installation of light warning devices.
- Protection apron and chute prevent dirt and water from entering when door is opened.
- Convenient installation due to enlarged useful area of mounting panel.
- Wide range of accessories.
- Dust/moisture-proof lock.
- Removable top and bottom casing covers ensure easy access to equipment during installation works.
- High level of electrical safety.
- High-quality external coating.
- Improved corrosion resistance.
- Fully equipped.
- Locks with common key.

Technical characteristics

Type of mounting	surface-mounted
Metal thickness	1.0 mm: SCHMP of first 3 sizes; 1.4 mm: SCHMP bigger than 3rd size;
Rated current	up to 630 A
Type of coating	powder coat, sharkskin
Color	RAL 7032
Degree of protection	IP65
Door opening angle	105°
Type of employed devices	any

Design features



Practical apron prevents dirt and water from entering when door is opened.



Metal dummy panels can be installed (LG blank face panels and LMA face panels for modular circuit breakers), with various depth values.



Shaped piece for installation of warning devices. High-quality sealing from foamed polyurethane on the door edges.



Enlarged useful area of galvanized mounting panel, perforation for use of cable ties.



Mounting panel with adjustable depth of installation due to use of perforated angle welded to the casing bottom.



Reinforced hinges. Protective cap is available.



Dust/moisture-proof gaskets for lock ensure degree of protection IP65.



Bead of door opening edges makes the structure more rigid.

4

Scope of supply



- Data sheet
- Installation instructions
- Electrical safety signs
- Kit for casing grounding and hanging
- Rubberized rings to ensure protection degree IP65 in enclosure fixing points

Color



RAL 7032

Structure of designation

SCHMP-1-0 74 U1 IP65 GARANT

SCHMP: board enclosure with mounting panel

1: casing size

0: version of GARANT series

7: type of coating

7: polyester powder paint / sharkskin

4: paint color:

4: RAL 7032

U1: climatic version

IP65: degree of protection

GARANT: series name

Products' range

Description	Specifications	Overall dimensions (H×W×D), mm	Product ID
	SCHMP-1-0 74 U1 IP65 GARANT Number of entries: 1 opening 171×92 mm (bottom). Weight 9 kg.	Casing: 395×310×220 Panel: 370×250×15	YKM40-01-65
	SCHMP-2-0 74 U1 IP65 GARANT Number of entries: 1 opening 171×92 mm (bottom). Weight 13 kg.	Casing: 500×400×220 Panel: 475×340×15	YKM40-02-65
	SCHMP-3-0 74 U1 IP65 GARANT Number of entries: 2 openings 171×92 mm (bottom). Weight 19 kg.	Casing: 650×500×220 Panel: 625×440×15	YKM40-03-65
	SCHMP-4-0 74 U1 IP65 GARANT Number of entries: 2 openings 171×92 mm (bottom). Weight 31.6 kg.	Casing: 800×650×250 Panel: 775×585×15	YKM40-04-65
	SCHMP-5-0 74 U1 IP65 GARANT Number of entries: 3 openings 171×92 mm (bottom). Weight 39 kg.	Casing: 1000×650×275 Panel: 975×585×15	YKM40-05-65
	SCHMP-6-0 74 U1 IP65 GARANT Number of entries: 3 openings 171×92 mm (bottom). Weight 45.5 kg.	Casing: 1200×650×275 Panel: 1175×585×15	YKM40-06-65
	SCHMP-7-0 74 U1 IP65 GARANT Number of entries: 3 openings 171×92 mm (bottom). Weight 52 kg.	Casing: 1400×650×275 Panel: 1375×585×15	YKM40-07-65

Accessories for SCHMP enclosures of GARANT series

LMA panel



LG panel



Shaped mounting piece



Description	Purpose	Location	Overall dimensions, mm	Color	Product ID
LG panel for SCHMP-1 74 PRO/GARANT H=200 (set of 2 pcs.)	For protection against direct contact with live parts	Inside casing, on mounting shaped piece	200×260×8,5	RAL 7032	Y-PL-G-74-1-0
LG panel for SCHMP-2 74 PRO/GARANT H=300 (set of 2 pcs.)			300×350×8,5	RAL 7032	Y-PL-G-74-2-0
LG panel for SCHMP-3 74 PRO/GARANT H=450 (set of 2 pcs.)			450×450×8,5	RAL 7032	Y-PL-G-54-3-0
LMA panel for SCHMP-1 74 PRO/GARANT (set of 2 pcs.)	For protection against direct contact with live parts	Inside casing, on mounting shaped piece	150×260×8,5	RAL 7032	Y-PL-O-74-1-0
LMA panel for SCHMP-2 74 PRO/GARANT (set of 2 pcs.)			150×350×8,5	RAL 7032	Y-PL-O-74-2-0
LMA panel for SCHMP-3 74 PRO/GARANT (set of 2 pcs.)			150×450×8,5	RAL 7032	Y-PL-O-74-3-0
LMA panel for SCHMP-4 (5,6,7) 74 PRO/GARANT (set of 2 pcs.)			150×600×8,5	RAL 7032	Y-PL-O-74-4567-0
Mounting shaped piece SCHMP-1 GARANT (set of 2 pcs.)	For fixing of LG and LMA panels (with adjustable depth of installation)	Inside casing, to perforated angles welded to casing bottom	387×60×32	galv.	Y-PM-U-G-1-0
Mounting shaped piece SCHMP-2 GARANT (set of 2 pcs.)			492×60×32	galv.	Y-PM-U-G-2-0
Mounting shaped piece SCHMP-3 GARANT (set of 2 pcs.)			642×60×32	galv.	Y-PM-U-G-3-0
Mounting shaped piece SCHMP-4 GARANT (set of 2 pcs.)			792×60×32	galv.	Y-PM-U-G-4-0
Mounting shaped piece SCHMP-5 GARANT (set of 2 pcs.)			992×60×32	galv.	Y-PM-U-G-5-0
Mounting shaped piece SCHMP-6 GARANT (set of 2 pcs.)			1192×60×32	galv.	Y-PM-U-G-6-0

Distribution empty enclosures with a mounting panel, SCHMP

These empty enclosures are used for assembling different electric panels: power, control and automation ones. They allow mounting of electric equipment both belonging to module and basic types.

Welded metal empty enclosures supplemented with a dismountable mounting panel.
The door is equipped with a lock. The key has a unified security key.
Empty enclosures with IP54 protection have a door sealing of two-component joint filler and a dust and moisture-resistant lock.
Correspond to EN 62208.



Advantages

- High corrosion resistance.
- High quality coating.
- Universal key lock.
- Set of additional accessories.
- High performance and easy assembly.
- Easy mounting.
- Several color and paintwork variants.
- High electrical safety.
- Quality certificate

Technical Features

Mounting	surface, floor
Metal gauge	1,0-1,4 mm (depending on size)
Rated current	up to 630 A
Coating	powder, sharkskin
Color	RAL 7035, RAL 7032
Protection	IP31, IP54
Door opening angle	105°
Equipment type	any
Climatic version	UHL3 for IP31, U2 for IP54

Designations

SCHMP-1-0 36 УХЛ3 IP31

SCHMP – distribution empty enclosure with a mounting panel

1 – box dimensions (H×W)

0 – modification number

3 – coating type

3 – EPR/sharkskin

5 – EPR/gloss

7 – PC/sharkskin

9 – PC/gloss

6 – paint color

4 – RAL 7032



6 – RAL 7035



УХЛ3 – climate type

IP31 – protection degree

SCHMP-2.3.1-0 36 УХЛ3 IP31

SCHMP – distribution empty enclosure with a mounting panel

2.3.1 – dimensions (H×W×D), mm.

Height – **2** – 250 mm.

3 – 300 mm.

4 – 400 mm.

6 – 600 mm.

16 – 1600 mm. (without base)

Width – **2** – 210 mm.

3 – 300 mm.

4 – 400 mm.

6 – 600 mm.

8 – 800 mm.

Depth – **1** – 150 mm.

2 – 250 mm.

4 – 400 mm.

0 – modification number

3 – coating type

3 – EPR/sharkskin

5 – EPR/gloss

7 – PC/sharkskin

9 – PC/gloss

6 – paint color

4 – RAL 7035



6 – RAL 7032



УХЛ3 – climate type

IP31 – protection degree

4

Design Features



IP54 type is equipped with multifaceted protective tray preventing water and dust ingress at the door opening.



IP54 type is provided with foamed PUR sealing.



Dismountable rear panel in 16(18).6.4 and 16(18).8.4 dimensions helps to facilitate servicing and electric equipment mounting.



Stubs on the rear panel in 16(18).6.4 and 16(18).8.4 dimensions facilitate its mounting and increase the servicing safety.

Range

Enclosures with mounting panel (IP31)	Description	Specifications	Color	Product ID
	Metal enclosure SCHMP-1-1 36 UHL3 IP31	Casing, mm: 395×310×150 Panel, mm: 330×250 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 5.2 kg	RAL 7035	YKM41-01-31
	Metal enclosure SCHMP-2-1 36 UHL3 IP31	Casing, mm: 500×400×150 Panel, mm: 430×340 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 8.0 kg	RAL 7035	YKM41-02-31
	Metal enclosure SCHMP-3-1 36 UHL3 IP31	Casing, mm: 650×500×150 Panel, mm: 580×440 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 12.2 kg	RAL 7035	YKM41-03-31
	Metal enclosure SCHMP-1-0 36 UHL3 IP31	Casing, mm: 395×310×220 Panel, mm: 330×250 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 6.0 kg	RAL 7035	YKM40-01-31
	Metal enclosure SCHMP-2-0 36 UHL3 IP31	Casing, mm: 500×400×220 Panel, mm: 430×340 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 9.0 kg	RAL 7035	YKM40-02-31
	Metal enclosure SCHMP-3-0 36 UHL3 IP31	Casing, mm: 650×500×220 Panel, mm: 580×440 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 13.5 kg	RAL 7035	YKM40-03-31
	Metal enclosure SCHMP-4-0 36 UHL3 IP31	Casing, mm: 800×650×250 Panel, mm: 730×585 No. of entries: 4 holes diam. 31 mm (bottom). Weight: 20.9 kg	RAL 7035	YKM40-04-31
	Metal enclosure SCHMP-5-0 36 UHL3 IP31	Casing, mm: 1000×650×300 Panel, mm: 930×585 No. of entries: 5 holes diam. 31 mm (bottom). Weight: 26.8 kg	RAL 7035	YKM40-05-31
	Metal enclosure SCHMP-6-0 36 UHL3 IP31	Casing, mm: 1200×750×300 Panel, mm: 1130×685 No. of entries: 6 holes diam. 31 mm (bottom). Weight: 42.0 kg	RAL 7035	YKM40-06-31

Description	Specifications	Color	Product ID
	Metal enclosure SCHMP-7-0 36 UHL3 IP31 Casing, mm: 1320×750×300 Panel, mm: 1250×690 No. of entries: 7 holes diam. 31 mm (bottom). Weight: 45.8 kg	RAL 7035	YKM40-07-31
	Metal enclosure SCHMP-2.3.1-0 36 UHL3 IP31 Casing, mm: 250×300×150 Panel, mm: 180×230 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 3.0 kg	RAL 7035	YKM40-231-31
	Metal enclosure SCHMP-3.2.1-0 36 UHL3 IP31 Casing, mm: 300×210×150 Panel, mm: 230×140 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 2.7 kg	RAL 7035	YKM40-321-31
	Metal enclosure SCHMP-4.2.1-0 36 UHL3 IP31 Casing, mm: 400×210×150 Panel, mm: 330×140 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 3.4 kg	RAL 7035	YKM40-421-31
	Metal enclosure SCHMP-4.4.1-0 36 UHL3 IP31 Casing, mm: 400×400×150 Panel, mm: 330×330 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 6.6 kg	RAL 7035	YKM40-441-31
	Metal enclosure SCHMP-4.4.2-0 36 UHL3 IP31 Casing, mm: 400×400×250 Panel, mm: 330×330 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 7.9 kg	RAL 7035	YKM40-442-31
	Metal enclosure SCHMP-4.6.1-0 36 UHL3 IP31 Casing, mm: 400×600×150 Panel, mm: 330×530 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 9.4 kg	RAL 7035	YKM40-461-31
	Metal enclosure SCHMP-4.6.2-0 36 UHL3 IP31 Casing, mm: 400×600×250 Panel, mm: 330×530 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 11.0 kg	RAL 7035	YKM40-462-31
	Metal enclosure SCHMP-6.6.1-0 36 UHL3 IP31 Casing, mm: 600×600×150 Panel, mm: 530×530 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 13.3 kg	RAL 7035	YKM40-661-31
	Metal enclosure SCHMP-6.6.2-0 36 UHL3 IP31 Casing, mm: 600×600×250 Panel, mm: 530×530 No. of entries: 3 holes diam. 31 mm (bottom). Weight: 15.3 kg	RAL 7035	YKM40-662-31

Description	Specifications	Color	Product ID	
	Metal enclosure SCHMP-16.6.4-0 36 UHL3* IP31 Casing, mm: 1600×600×400 Plinth, mm: 100×600×400 No. of entries: 1 opening 404×178 mm (bottom). Weight: 55.4 kg	RAL 7035	YKM40-1664-31	
	Metal enclosure SCHMP-18.6.4-0 36 UHL3* IP31 Casing, mm: 1800×600×400 Plinth, mm: 100×600×400 No. of entries: 1 opening 404×178 mm (bottom). Weight: 58.5 kg	RAL 7035	YKM40-1864-31	
	Metal enclosure SCHMP-16.8.4-0 36 UHL3* IP31 Casing, mm: 1600×800×400 Plinth, mm: 100×800×400 No. of entries: 1 opening 604×178 mm (bottom). Weight: 66.2 kg	RAL 7035	YKM40-1684-31	
	Metal enclosure SCHMP-18.8.4-0 36 UHL3* IP31 Casing, mm: 1800×800×400 Plinth, mm: 100×800×400 No. of entries: 1 opening 604×178 mm (bottom). Weight: 69.7 kg	RAL 7035	YKM40-1884-31	
Enclosures with mounting panel (IP54)	Metal enclosure SCHMP-1-0 74 U2 IP54 	Casing, mm: 395×310×220 Panel, mm: 330×250 No. of entries: 11 holes diam. 28 mm (bottom). Weight: 6.5 kg	RAL 7032	YKM40-01-54
	Metal enclosure SCHMP-2-0 74 U2 IP54 Casing, mm: 500×400×220 Panel, mm: 430×340 No. of entries: 11 holes diam. 28 mm (bottom). Weight: 9.5 kg	Casing, mm: 500×400×220 Panel, mm: 430×340 No. of entries: 11 holes diam. 28 mm (bottom). Weight: 9.5 kg	RAL 7032	YKM40-02-54
	Metal enclosure SCHMP-3-0 74 U2 IP54 Casing, mm: 650×500×220 Panel, mm: 580×440 No. of entries: 13 holes diam. 28 mm (bottom). Weight: 13.9 kg	Casing, mm: 650×500×220 Panel, mm: 580×440 No. of entries: 13 holes diam. 28 mm (bottom). Weight: 13.9 kg	RAL 7032	YKM40-03-54
	Metal enclosure SCHMP-4-0 74 U2 IP54 Casing, mm: 800×650×250 Panel, mm: 730×585 No. of entries: 1 opening 523×123 mm (bottom). Weight: 27.8 kg	Casing, mm: 800×650×250 Panel, mm: 730×585 No. of entries: 1 opening 523×123 mm (bottom). Weight: 27.8 kg	RAL 7032	YKM40-04-54
	Metal enclosure SCHMP-5-0 74 U2 IP54 Casing, mm: 1000×650×285 Panel, mm: 930×585 No. of entries: 1 opening 523×123 mm (bottom). Weight: 34.8 kg	Casing, mm: 1000×650×285 Panel, mm: 930×585 No. of entries: 1 opening 523×123 mm (bottom). Weight: 34.8 kg	RAL 7032	YKM40-05-54

* Mounting panel, vertical angles for its installation and other accessories are to be ordered separately.

Description	Specifications	Color	Product ID
 Metal enclosure SCHMP-6-0 74 U2 IP54	Casing, mm: 1200×750×300 Panel, mm: 1130×685 No. of entries: 1 opening 523×123 mm (bottom). Weight: 46.2 kg	RAL 7032	YKM40-06-54
 Metal enclosure SCHMP-7-0 74 U2 IP54	Casing, mm: 1400×650×285 Panel, mm: 1330×585 No. of entries: opening 523×123 mm (bottom). Weight: 46.6 kg	RAL 7032	YKM40-07-54
 Metal enclosure SCHMP-2.3.1-0 74 U2 IP54	Casing, mm: 250×300×150 Panel, mm: 180×230 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 3.9 kg	RAL 7032	YKM40-231-54
 Metal enclosure SCHMP-3.2.1-0 74 U2 IP54	Casing, mm: 300×210×150 Panel, mm: 230×140 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 3.4 kg	RAL 7032	YKM40-321-54
 Metal enclosure SCHMP-4.2.1-0 74 U2 IP54	Casing, mm: 400×210×150 Panel, mm: 330×140 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 4.3 kg	RAL 7032	YKM40-421-54
 Metal enclosure SCHMP-4.4.1-0 74 U2 IP54	Casing, mm: 400×400×150 Panel, mm: 330×330 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 8.7 kg	RAL 7032	YKM40-441-54
 Metal enclosure SCHMP-4.4.2-0 74 U2 IP54	Casing, mm: 400×400×250 Panel, mm: 330×330 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 10.6 kg	RAL 7032	YKM40-442-54
 Metal enclosure SCHMP-4.6.1-0 74 U2 IP54	Casing, mm: 400×600×150 Panel, mm: 330×530 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 12.2 kg	RAL 7032	YKM40-461-54
 Metal enclosure SCHMP-4.6.2-0 74 U2 IP54	Casing, mm: 400×600×250 Panel, mm: 330×530 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 14.5 kg	RAL 7032	YKM40-462-54
 Metal enclosure SCHMP-6.6.1-0 74 U2 IP54	Casing, mm: 600×600×150 Panel, mm: 530×530 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 17.2 kg	RAL 7032	YKM40-661-54

Description	Specifications	Color	Product ID
	Metal enclosure SCHMP-6.6.2-0 74 U2 IP54 Casing, mm: 600×600×250 Panel, mm: 530×530 No. of entries: 6 holes diam. 28 mm (bottom). Weight: 19.9 kg	RAL 7032	YKM40-662-54
	Metal enclosure SCHMP-16.6.4-0 74 U2* IP54 Casing, mm: 1600×600×400 Plinth, mm: 100×600×400 No. of entries: 1 opening 404×178 mm (bottom). Weight: 55.4 kg	RAL 7032	YKM40-1664-54
	Metal enclosure SCHMP-18.6.4-0 74 U2* IP54 Casing, mm: 1800×600×400 Plinth, mm: 100×600×400 No. of entries: 1 opening 404×178 mm (bottom). Weight: 58.5 kg	RAL 7032	YKM40-1864-54
	Metal enclosure SCHMP-16.8.4-0 74 U2* IP54 Casing, mm: 1600×800×400 Plinth, mm: 100×800×400 No. of entries: 1 opening 604×178 mm (bottom). Weight: 66.2 kg	RAL 7032	YKM40-1684-54
	Metal enclosure SCHMP-18.8.4-0 74 U2* IP54 Casing, mm: 1800×800×400 Plinth, mm: 100×800×400 No. of entries: 1 opening 604×178 mm (bottom). Weight: 69.7 kg	RAL 7032	YKM40-1884-54

Accessories for SCHMP-16.X.X IPXX

Description	Purpose	Location	Overall dimensions	Scope of supply		Product ID
				Unit	pcs.	
Vertical angle 1560 (galv.) for SCHMP-16.X.X	For fixing of mounting panels, PN panels and rails (to make possible adjustment of components positions by casing depth)	Inside casing, on Z-shaped pieces	1560×35×30	set	2	YKM40-U-1560X
Vertical angle 1760 (galv.) for SCHMP-18.X.X		Inside casing, on Z-shaped pieces	1760×35×30	set	2	YKM40-U-1760X
Mounting panel 300×545 (galv.) for SCHMP-16.6.4**	For mounting of various electric devices	Inside casing, on vertical angles (to make possible adjustment of components positions in casing depth)	300×545	set	1	YKM40-PM-300X545
Mounting panel 300×745 (galv.) for SCHMP-16.8.4**			300×745	set	1	YKM40-PM-300X745
Mounting panel 500×545 (galv.) for SCHMP-16.6.4**			500×545	set	1	YKM40-PM-500X545
Mounting panel 500×745 (galv.) for SCHMP-16.8.4**			500×745	set	1	YKM40-PM-500X745
PN panel (galv.) for SCHMP-16.6.4	For mounting of fuses	Inside casing, on vertical angles (to make possible adjustment of components positions in depth)	140×545	set	3	YKM40-PN-1664
PN panel (galv.) for SCHMP-16.8.4			140×745	set	3	YKM40-PN-1684
Rail 304545 (galv.) for SCHMP-16.6.4	For installation of single electric devices or several devices of same installation height		30×545	set	2	YKM40-P-30X545
Rail 304745 (galv.) for SCHMP-16.8.4			30×745	set	2	YKM40-P-30X745

* Mounting panel, vertical angles for its installation and other accessories are to be ordered separately.

** Compatible with SCHMP-18.X.X.

Distribution point empty enclosures, PR

These empty enclosures are used for assembling distribution points of PR11 series intended for accepting and distributing electric power, protecting electric installations of 400/230 V at overloads and short circuits as well as infrequent (limited to 6 per hour) actuations and power-offs. Correspond to EN 62208.



4

Advantages

- Universal construction.
- High corrosion resistance.
- High quality coating.
- Set of additional accessories.
- Set of electrical safety signs.
- High performance and easy assembly.
- Easy mounting.
- High electrical safety.
- Quality certificate.
- Aesthetics and design.

Technical Features

Mounting	surface
Rated current	up to 630 A
Metal gauge	1,0-1,4 mm
Coating	powder, sharkskin
Color	RAL 7032, RAL 7035
Protection	IP31, IP54
Door opening angle	105°

Design Description

Undismountable welded empty enclosure hosting a speedbar, input device panel, DIN-rails for group electric units and elements for power, N and PE buses fastening.

The door is locked with a lock. Empty enclosures with IP54 protection have a door sealing of two-component joint filler.

The empty enclosures can be divided into three groups depending on their dimensions.

Units recommended for electric panels assembly:

- as a lead-in unit – IEK modular case circuit breakers of VA88 series with electromagnetic and thermal releases per rated currents of 160, 250, 400 and 630 A;
- at the outgoing lines – VA47-100 modular circuit breakers per rated current from 10 up to 100 A

Modification "3" empty enclosures are notable for two main differences making them more convenient and universal in use.

Firstly, there is a possibility of leading the conductors in from the top, soundly expanding application possibilities and operation convenience. The input is carried out with the help of addition lead-in panel strengthened with the leak tight PU foam sealing (IP54 type) (Fig. 1).

Secondly, the empty enclosures can host VA88 series units of 32 and 33 dimensions. They can be installed at the outgoing lines with the help of additional mounting adapter panels.

The panels have perforation for installing the units without applying additional tools.

These modifications can much facilitate assembling and further empty enclosure exploitation.



Fig. 1

Configuration:

Empty enclosure in set with a speedbar – 1 pcs.

Electrical safety signs – 3 pcs.

Assembly instruction – 1 pcs.

Passport – 1 pcs.

Marking plates – 2 pcs.

Designations

PR-1-0 36 УХЛ3 IP31

PR – distribution point
1 – empty enclosure dimensions
0 – modification number
3 – coating type
 3 – EPR/sharkskin
 7 – PC/sharkskin
6 – paint color
 4 – RAL 7032 
 6 – RAL 7035 

УХЛ3 – climate type

IP31 – protection degree

Range

Name	Features	Color	Product ID
	Metal empty enclosure PR-1-0 36 YKL3 IP31 Overall dimensions, mm.: 900×400×182. No. of inputs: 1 hole 80×220 mm. (on bottom). Weight: 15 kg	RAL 7035	YKM14-01-31
	Metal empty enclosure PR-1-0 74 Y2 IP54 Overall dimensions, mm.: 900×400×182. No. of inputs: 1 hole 80×220 mm. (on bottom). Weight: 15,3 kg	RAL 7032	YKM14-01-54
	Metal empty enclosure PR-2-3 36 YKL3 IP31 Overall dimensions, mm.: 1157×650×180. No. of inputs: 2 holes 80×220 mm. (on bottom). Weight: 35 kg	RAL 7035	YKM14-02-3-31
	Metal empty enclosure PR-2-3 74 Y2 IP54 Overall dimensions, mm.: 1157×650×180. No. of inputs: 2 holes 80×220 mm. (on bottom). Weight: 35,2 kg	RAL 7032	YKM14-02-3-54
	Metal empty enclosure PR-3-3 36 YKL3 IP31 Overall dimensions, mm.: 1317×650×180. No. of inputs: 2 holes 80×220 mm. (on bottom), 1 hole 80×220 (on top). Weight: 39,1 kg	RAL 7035	YKM14-03-3-31
	Metal empty enclosure PR-3-3 74 Y2 IP54 Overall dimensions, mm.: 1317×650×180. No. of inputs: 2 holes 80×220 mm. (on bottom), 1 hole 80×220 (on top). Weight: 39,3 kg	RAL 7032	YKM14-03-3-54

PR* Box Accessories

Name	Purpose	Bus size, mm.				Product ID	
		Length L1	L2	L3	Thickness	Width	
Set of power buses	For transmitting electric power from the lead-in unit to the group ones.	242	242	242	3	20	YKM10-SS-01
Set of power buses (copper, dim.1) for PR		377	404	431	3	20	YKM10-SS-02
Set of power buses (copper, dim.2) for PR		539	566	593	3	20	YKM10-SS-03
Set of power buses (copper, dim.3) for PR		341	368	395	4	30	YKM10-SS-04
Set of power buses (copper, dim.4) for PR		503	530	361	4	30	YKM10-SS-05
Set of power buses (copper, dim.5) for PR		334	361	388	5	50	YKM10-SS-06
Set of power buses (copper, dim.6) for PR		496	523	550	5	50	YKM10-SS-07
Set of N and PE buses		N	PE		Thickness	Width	Product ID
Set of N and PE buses (copper, dim.1) for PR	For connecting of neutral operating and neutral protecting conductors.	288	288		3	20	YKM10-NP-01
Set of N and PE buses (copper, dim.2) for PR		418	418		3	20	YKM10-NP-02
Set of N and PE buses (copper, dim.3) for PR		418	418		4	30	YKM10-NP-03
Set of N and PE buses (copper, dim.4) for PR		418	418		5	50	YKM10-NP-04
Penal for installing VA88-32(33) for PR-2	For installation of modular circuit breakers of VA88 series						YKI10-02-31
Penal for installing VA88-32(33) for PR-3	For installation of modular circuit breakers of VA88 series						YKI10-03-31

* Delivery package comprises all necessary fixtures for their installation into PR empty enclosure, connecting of external conductors as well as SM type insulators.

Components Selection Table

Type	Box dimension	Input circuit breaker	Outgoing lines cut-off devices				Power bus dimension	N and PE bus dimensions		
			Single-polar		Three-polar					
			Marking	Rated current, A	Marking	Q-ty				
PR11-3046	1	VA88-33	160	VA47-100	9		1	1		
PR11-3048	1	VA88-33	160		VA47-100	3	1	1		
PR11-3050	1	VA88-33	160	VA47-100	3	VA47-100	2	1		
PR11-3052	2	VA88-35	250	VA47-100	12		2	2		
PR11-3054	2	VA88-35	250		VA47-100	4	2	2		
PR11-3056	2	VA88-35	250	VA47-100	6	VA47-100	2	2		
PR11-3058	2	VA88-35	250	VA47-100	18		2	2		
PR11-3060	2	VA88-35	250		VA47-100	6	2	2		
PR11-3062	2	VA88-35	250	VA47-100	12	VA47-100	2	2		
PR11-3064	2	VA88-35	250	VA47-100	6	VA47-100	4	2		
PR11-3066	3	VA88-35	250	VA47-100	24		3	2		
PR11-3068	3	VA88-35	250		VA47-100	8	3	2		
PR11-3070	3	VA88-35	250	VA47-100	18	VA47-100	2	3		
PR11-3072	3	VA88-35	250	VA47-100	12	VA47-100	4	3		
PR11-3074	3	VA88-35	250	VA47-100	6	VA47-100	6	3		
PR11-3076	3	VA88-35	250	VA47-100	30		3	2		
PR11-3078	3	VA88-35	250		VA47-100	10	3	2		
PR11-3080	3	VA88-35	250	VA47-100	24	VA47-100	2	3		
PR11-3082	3	VA88-35	250	VA47-100	18	VA47-100	4	3		
PR11-3084	3	VA88-35	250	VA47-100	12	VA47-100	6	3		
PR11-3086	3	VA88-35	250	VA47-100	6	VA47-100	8	3		
PR11-3088	2	VA88-37	400	VA47-100	18		4	3		
PR11-3090	2	VA88-37	400		VA47-100	6	4	3		
PR11-3092	2	VA88-37	400	VA47-100	12	VA47-100	2	4		
PR11-3094	2	VA88-37	400	VA47-100	6	VA47-100	4	3		
PR11-3096	3	VA88-37	400	VA47-100	24		5	3		
PR11-3098	3	VA88-37	400		VA47-100	8	5	3		
PR11-30100	3	VA88-37	400	VA47-100	18	VA47-100	2	5		
PR11-30102	3	VA88-37	400	VA47-100	12	VA47-100	4	5		
PR11-30104	3	VA88-37	400	VA47-100	6	VA47-100	6	5		
PR11-30106	3	VA88-37	400	VA47-100	30		5	3		
PR11-30108	3	VA88-37	400		VA47-100	10	5	3		
PR11-30110	3	VA88-37	400	VA47-100	24	VA47-100	2	5		
PR11-30112	3	VA88-37	400	VA47-100	18	VA47-100	4	5		
PR11-30114	3	VA88-37	400	VA47-100	12	VA47-100	6	5		
PR11-30116	3	VA88-37	400	VA47-100	6	VA47-100	8	5		
PR11-30118	2	VA88-37	400		VA47-100	4	4	3		
PR11-30120	2	VA88-37	400		VA47-100	6	4	3		
PR11-30122	3	VA88-40	630		VA47-100	8	6	4		
PR11-30124	3	VA88-40	630		VA47-100	12	7	4		

SCHO enclosures for distribution boards

SCHO enclosures for distribution boards are designed for use in switchboards of 3-phase voltage 230/400 VAC 50 Hz in 4-wire and 5-wire systems with solidly earthed neutral, that serve for reception and distribution of electric power, protection of outgoing lines against overloads and short-circuit currents.

SCHO enclosures for distribution boards are constructed as dismountable framework formed by vertical posts, vertical angles, side and face tie bars, to which door, side wall panels and roof are fixed (side wall panels and roof are to be ordered separately).

Correspond to EN 62208



Made in
Russia

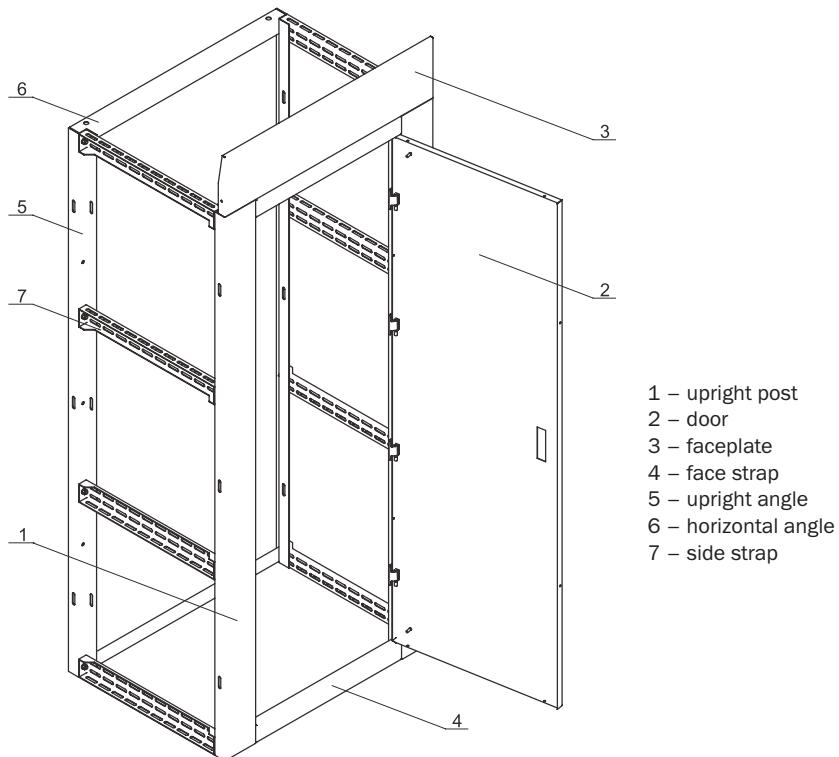
Advantages

- Improved corrosion resistance.
- Wide range of products.
- High-quality external coating.
- Unified parts make assembling of both typical and not typical LV switchgears more simple.
- Door can be hanged to any side.
- Range of additional accessories.
- Dismountable construction of the board enclosure saves place in transport means and warehouse.
- Wide posts enable installation of warning and control devices on their face surfaces.
- Highly practical and simple assembling.
- Convenient installation, transport and storage.
- The enclosures can be joined in groups.

Technical characteristics

Type of mounting	floor-standing
Rated current	up to 2500 A
Rated voltage	0.4 kV
Metal thickness	2.0 mm
Type of coating	powder coat
Color	RAL 7035
Degree of protection	IP20 (from front side)
Door opening angle	IP00
Climatic version	105°
	UHL3

Design features



Use of flanging on the upright posts and upright angle bars that prevent from axial rotation of side straps allows for reduction in two times compared with previous design, of fastening elements required for assembly.



Options of door hinges location.



Panel for measuring instruments.



A roof with eye-bolts can be installed.

Structure of designation

Metal enclosure of board SCHO XX.XX.X

XX – depth, mm

XX – width, mm

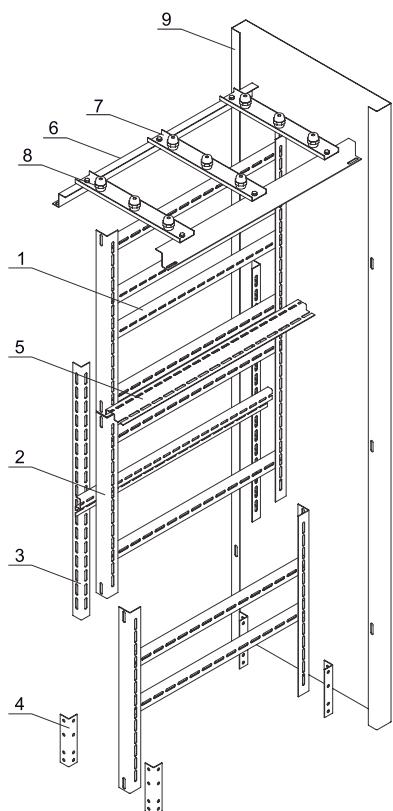
X – height, mm

Range

Description	Overall dimensions, (H×W×D), mm	Product ID
Metal enclosure of board SCHO 20.10.6	2000×1000×560	YKM60-M1-20-10-6
Metal enclosure of board SCHO 20.6.6	2000×600×560	YKM60-M1-20-6-6
Metal enclosure of board SCHO 20.8.6	2000×800×560	YKM60-M1-20-8-6
Metal enclosure of board SCHO 22.10.6	2200×1000×560	YKM60-M1-22-10-6
Metal enclosure of board SCHO 22.6.6	2200×600×560	YKM60-M1-22-6-6
Metal enclosure of board SCHO 22.8.6	2200×800×560	YKM60-M1-22-8-6

Accessories for SCHO enclosures of distribution boards

Set of SCHO board



- 1 – channel bar
 2 – single-section angle
 3 – perforated angle
 4 – angle for N (PE) busbars
 5 – shaped mounting piece
 6 – shaped piece for busbar bridge frame
 7 – traverse for busbar bridge frame
 8 – SM40 busbar insulator
 9 – side panel

Description	Purpose	Place of installation	Scope of supply		Product ID
			unit	pcs.	
Side panel SCHO 20.6 SCHO	Covers side openings, ensures electrical safety, prevents foreign objects from entering the board	SCHO 20.10.6, SCHO 20.8.6, set SCHO 20.6.6	2		YKM60-BP-206-36
Side panel SCHO 22.6 SCHO		SCHO 22.10.6, SCHO 22.8.6, set SCHO 22.6.6	2		YKM60-BP-226-36
Set of SCHO panel 20.10.6-2000	For assembly of low-voltage electric switchboard on the basis of SCHO board metal enclosure	SCHO 20.10.6	set	1	YKM60-P-20102000-36
Set of SCHO panel 20.6.6-2000		SCHO 20.6.6	set	1	YKM60-P-2062000-36
Set of SCHO panel 20.8.6-2000		SCHO 20.8.6	set	1	YKM60-P-2082000-36
Set of SCHO panel 22.10.6-2000		SCHO 22.10.6	set	1	YKM60-P-22102000-36
Set of SCHO panel 22.6.6-2000		SCHO 22.6.6	set	1	YKM60-P-2262000-36
Set of SCHO panel 22.8.6-2000		SCHO 22.8.6	set	1	YKM60-P-2282000-36

Description	Purpose	Place of installation	Scope of supply		Product ID
			unit	pcs.	
Set for installation of VA07-208(...)220 rolling-out, in SCHO xx.10.6	for installation of circuit breakers of VA07 series in metal enclosure of SCHO panel	SCHO 20.10.6, SCHO 22.10.6	set	1	YKM60-KU07V-X106-36
Set for installation of VA07-208(...)220 rolling-out, in SCHO xx.8.6		SCHO ШО 20.8.6, SCHO ШО 22.8.6	set	1	YKM60-KU07V-X86-36
Set for installation of VA07-208(...)220 rolling-out, in SCHO xx.10.6		SCHO ШО 20.10.6, SCHO ШО 22.10.6	set	1	YKM60-KU07S-X106-36
Set for installation of VA07-208(...)220 rolling-out, in SCHO xx.8.6		SCHO ШО 20.8.6, SCHO ШО 22.8.6	set	1	YKM60-KU07S-X86-36
Set for installation of VA07-325(332) rolling-out, in SCHO xx.10.6		SCHO ШО 20.10.6, SCHO ШО 22.10.6	set	1	YKM60-KU07-2V-X106-36
Set for installation of VA07-325(332) rolling-out, in SCHO xx.8.6		SCHO 20.8.6, SCHO 22.8.6	set	1	YKM60-KU07-2V-X86-36
Set for installation of VA07-325(332) fixed, in SCHO xx.10.6		SCHO 20.10.6, SCHO 22.10.6	set	1	YKM60-KU07-2S-X106-36
Set for installation of VA07-325(332) fixed, in SCHO xx.8.6		SCHO 20.8.6, SCHO 22.8.6	set	1	YKM60-KU07-2S-X86-36
Busbar bridge frame 2×6 SCHO	For assembly of bridge frame to be installed into SCHO board metal enclosure	for all types of SCHO board enclosures	set	1	YKM60-R-2X6-36
Busbar bridge frame 3×10 SCHO			set	1	YKM60-R-3X10-36
Busbar bridge frame 3×8 SCHO			set	1	YKM60-R-3X8-36
Busbar bridge frame 4×10 SCHO			set	1	YKM60-R-4X10-36
Busbar bridge frame 4×6 SCHO			set	1	YKM60-R-4X6-36
Busbar bridge frame 4×8 SCHO			set	1	YKM60-R-4X8-36
Panel 33, 35 SCHO	for installation of VA88-33, VA88-35 circuit breakers	for all types of SCHO board enclosures	set	1	YKM60-PM-33-36
Panel 40 SCHO	for installation of VA88-40 circuit breakers	for all types of SCHO board enclosures	set	1	YKM60-PM-40-36
Panel 43 SCHO	for installation of VA88-43 circuit breakers	for all types of SCHO board enclosures	set	1	YKM60-PM-43-36
Side strap SCHO (set of 2 pcs.)	for installation of additional equipment	for all types of SCHO board enclosures	set	2	YKM-S-70
Upright angle bar 40×30×2000 SCHO (set of 2 pcs.)	for installation of panels, channel bars, mounting shaped pieces	SCHO 22.10.6, SCHO 22.8.6, SCHO 22.6.6	set	2	YKM-U-40x30x2050
Horizontal angle bar 40×50×800 SCHO (set of 2 pcs.)	for installation of various electrical devices	SCHO 20.8.6, SCHO 22.8.6	set	2	YKM-U-40x60x800
Perforated angle 900×35×35 (set of 2 pcs.)	for installation of panels, channel bars, mounting shaped pieces	for all types of SCHO board enclosures	set	2	YKM-U-900x35x35
Angle for N(PE) busbars SCHO (set of 2 pcs.)	for installation of N(PE) busbars	for all types of SCHO board enclosures	set	2	YKM-U-N-PE
Channel bar VA07 AGIE 202.000.021 (set of 2 pcs.)	for installation of VA07 circuit breakers	SCHO 20.8.6, SCHO 22.8.6, SCHO 20.10.6, SCHO 22.10.6	set	2	YKM-VA-07
Roof 600×600 SCHO	ensures electrical safety, prevents foreign objects from entering the board	SCHO 20.6.6 SCHO 22.6.6	set	1	YKM-K-600x600
Roof 800×600 SCHO		SCHO 20.8.6 SCHO 22.8.6	set	1	YKM-K-800x600
Roof 1000×600 SCHO		SCHO 20.10.6 SCHO 22.10.6	set	1	YKM-K-1000x600

Distribution cabinet accessories

Glands

Glands are intended for connecting cables into the electric panel equipment in order to protect conductors from mechanical damage and the assembly itself from dust and moisture ingress at the input.



The gland consists of a body (1), sealant (2), a sealing nut (3), a spacer (4) and a clamping nut (5).

Spacer and sealant are made of neoprene.

Body, clamping and sealing nut are made of nylon.

Gland installation is carried out with the help of a tube wrench.

Operating temperature range: from -40 to +80 °C.

Range

PGL and PG glands

Protection degree – IP54.
Color – gray RAL 7035

Overall dimensions	Name	Dimensions, mm							Cable diameter, mm	Product ID
		B	D	D1	D2	L	L1	L2		
	PGL 11	24	18	8	26	34	7	5	6–7	YSA30-08-11-54-K41
	PGL 13,5	27	20	10	29	35	8	6	9–10	YSA30-10-13-54-K41
	PGL 16	30	22	12	33	40	10	6	10–11	YSA30-12-16-54-K41
	PGL 21	35,6	28	16	38,5	45	10	7	14–15	YSA30-16-21-54-K41
	PGL 29	46	37	25	50	50	9	7	20–24	YSA30-25-29-54-K41
	PGL 36	60	46	32	66	56	12	8	28–31	YSA30-32-36-54-K41
	PGL 42	65	54	40	73	63	9	8	35–39	YSA30-40-42-54-K41
	PGL 48	70	59	44	77	63	12	8	39–43	YSA30-44-48-54-K41
	PG 7	19	12	7	21	31	8	5	5–6	YSA20-06-07-54-K41
	PG 9	22	15	10	24	33	8	5	6–7	YSA20-08-09-54-K41
	PG 11	24	18	11	26	36	7	5	7–9	YSA20-10-11-54-K41
	PG 13,5	27	20	12	29	38	7,5	6,5	7–11	YSA20-12-13-54-K41
	PG 16	30	22	13	33	42	9	6	9–13	YSA20-14-16-54-K41
	PG 21	35,5	28	19	38,5	51	11	7	15–18	YSA20-18-21-54-K41
	PG 29	46	36	25	50	52	10	6,5	18–24	YSA20-25-29-54-K41
	PG 36	60	47	32	66	65	13	7,5	24–32	YSA20-32-36-54-K41
	PG 42	64,5	54	38	72	66	12	8	30–40	YSA20-40-42-54-K41
	PG 48	70	59	45	78	66	13	8	36–44	YSA20-44-48-54-K41

MG glands

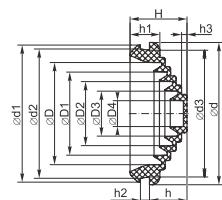
Protection degree – IP68.
Color – black.

Overall dimensions	Name	Dimensions, mm							Cable diameter	Product ID
		B	D	D1	D2	L	L1	L2		
	MG 12	17,5	12	8	19	37	6	5	4–7	YSA10-08-12-68-K02
	MG 16	22	15	10	24	46	13	7	6–10	YSA10-10-16-68-K02
	MG 20	26,6	20	14	29	52	13	8	10–14	YSA10-14-20-68-K02
	MG 25	32,5	25	18	35,5	57	14	8	13–18	YSA10-18-25-68-K02
	MG 32	41	32	25	45	62	14	8	16–24	YSA10-25-32-68-K02
	MG 40	49	40	32	53,5	70	19	10	20–29	YSA10-30-40-68-K02
	MG 50	61	50	42	66	80	21	10	33–41	YSA10-39-50-68-K02
	MG 63	74	63	52	81,5	89	23	11	44–54	YSA10-52-63-68-K02

4

Cable lead-in glands

Protection degree – IP54.
Color: grey, white



Name	Dimensions, mm													Product ID		
	D	D1	D2	D3	D4	d	d1	d2	d3	H	h	h1	h2	h3		
	Gland d=20mm (box hole D = 22mm), white	15,5	12,6	9,8	6,9	4,0	28,0	26,0	23,0	22,0	16,0	9,5	8,5	2,5	1,5	YSA40-20-22-68-K01
	Gland d=20mm (box hole D = 22mm), gray	15,5	12,6	9,8	6,9	4,0	28,0	26,0	23,0	22,0	16,0	9,5	8,5	2,5	1,5	YSA40-20-22-68-K41
	Gland d=25mm (box hole D = 27mm), white	19,5	15,9	12,3	8,6	5,0	33,0	31,0	28,0	27,0	18,5	11,0	10,0	3,5	1,7	YSA40-25-27-68-K01
	Gland d=25mm (box hole D = 27mm), gray	19,5	15,9	12,3	8,6	5,0	33,0	31,0	28,0	27,0	18,5	11,0	10,0	3,5	1,7	YSA40-25-27-68-K41
	Gland d=25mm (box hole D = 32mm), white	24,5	19,9	15,4	10,8	6,3	38,0	36,0	33,0	32,0	19,5	12,0	10,5	3,5	1,8	YSA40-25-32-68-K01
	Gland d=25mm (box hole D = 32mm), gray	24,5	19,9	15,4	10,8	6,3	38,0	36,0	33,0	32,0	19,5	12,0	10,5	3,5	1,8	YSA40-25-32-68-K41
	Gland d=32mm (box hole D = 37mm), white	31,5	25,6	19,8	13,9	8,0	43,0	41,0	38,0	37,0	20,5	13,0	11,0	3,5	1,9	YSA40-32-37-68-K01-050
	Gland d=32mm (box hole D = 37mm), gray	31,5	25,6	19,8	13,9	8,0	43,0	41,0	38,0	37,0	20,5	13,0	11,0	3,5	1,9	YSA40-32-37-68-K41-050
	Gland d=40mm (box hole D = 49mm), white	39,5	32,1	24,8	17,4	10,0	55,0	53,0	50,0	49,0	22,0	14,5	11,5	3,5	2,1	YSA40-40-49-68-K01
	Gland d=40mm (box hole D = 49mm), gray	39,5	32,1	24,8	17,4	10,0	55,0	53,0	50,0	49,0	22,0	14,5	11,5	3,5	2,1	YSA40-40-49-68-K41

ZNI series screw terminal blocks

These terminal blocks serve for safe and compact connection of phase, neutral and protective (ground) conductors of various size. They are installed onto a DIN-rail. The set is completed with a marking band for number inscription and side blinds for ZNI series screw terminal blocks. Color: blue, gray, green.

Terminal clamps can be covered with plastic blinds of correspondent size and color.

They are made of colored non-inflammable polyamide of yellowish-green (grounding), blue (neutral), gray and green (phase) color.



ZNI series terminal block range

Overall dimensions	Name	Max. cable size, mm ²	Rated current, A	Dimensions, mm				Package amount	Product ID
				L	H	h	W		
	ZNI-2,5 gray	2,5	24	47,0	42,6	41,7	8,0	50	YZN10-002-K03
	ZNI-2,5 blue	2,5	24	47,0	42,6	41,7	8,0	50	YZN10-002-K07
	ZNI-4 PEN	4	35	43,0	58,0	40,0	7,0	20	YZN20-004-K52
	ZNI-4 gray	4	35	41,5	45,5	33,0	6,3	60	YZN10-004-K03
	ZNI-4 blue	4	35	41,5	45,5	33,0	6,3	60	YZN10-004-K07
	ZNI-6 PEN	6	50	45,0	58,0	41,0	9,0	20	YZN20-006-K52
	ZNI-6 gray	6	50	42,0	46,0	33,5	8,0	50	YZN10-006-K03
	ZNI-6 blue	6	50	42,0	46,0	33,5	8,0	50	YZN10-006-K07
	ZNI-10 PEN	10	70	46,0	58,0	41,0	10,0	20	YZN20-010-K52
	ZNI-10 gray	10	70	46,0	45,5	42,0	10,5	40	YZN10-010-K03
	ZNI-10 blue	10	70	46,0	45,5	42,0	10,5	40	YZN10-010-K07
	ZNI-16 PEN	16	100	48,0	58,0	51,0	12,0	20	YZN20-016-K52
	ZNI-16 gray	22	100	48,0	58,0	51,0	12,0	30	YZN10-022-K03
	ZNI-16 blue	22	100	48,0	58,0	51,0	12,0	30	YZN10-022-K07
	ZNI-35 PEN	35	125	58,0	60,0	60,0	17,0	10	YZN20-035-K52
	ZNI-35 gray	35	125	59,0	51,5	51,0	15,0	30	YZN10-035-K03
	ZNI-35 blue	35	125	59,0	51,5	51,0	15,0	30	YZN10-035-K07
	ZNI-70 PEN	70	250	77,0	71	71	20	5	YZN20-070-K52
	ZNI-70 gray	70	250	91,0	61,5	61,5	22,2	8	YZN10-070-K03
	ZNI-70 blue	70	250	91,0	61,5	61,5	22,2	8	YZN10-070-K07
	ZNI-95 gray	95	330	80,0	96,0	88,2	26,5	5	YZN10-095-K03
	ZNI-95 blue	95	330	80,0	96,0	88,2	26,5	5	YZN10-095-K07
	ZNI-4 gray (compatible with ZNI-6)							20	YZN10D-ZGL-006-K03
	ZNI-4 blue (compatible with ZNI-6)							20	YZN10D-ZGL-006-K07
	ZNI-10 gray							20	YZN10D-ZGL-010-K03
	ZNI-10 blue							20	YZN10D-ZGL-010-K07
	ZNI-16 gray							20	YZN10D-ZGL-016-K03
	ZNI-16 blue							20	YZN10D-ZGL-016-K07
	ZNI-35 gray							20	YZN10D-ZGL-035-K03
	ZNI-35 blue							20	YZN10D-ZGL-035-K07

Neutral bus bars

Neutral non-insulated bus bars are used in electric panel equipment for connecting neutral operating (N) and protective conductors (PE). Bus is connected on the center (types 8/1; 14/1) and on the sides (type 8/2 and 14/2) through the neutral bus insulator onto a 35-mm DIN-rail and through the corner neutral bus insulators as well as directly onto the board panel. When connecting copper multicore wires to the buses, it is recommended to terminate them with terminal bushings. These buses are made of latten alloy.

Neutral bus bars with SCHNI-type insulator are intended for electric and mechanical connection of neutral operating and protective conductors. Constructively, SCHNI buses are made of a latten alloy bus placed onto a plastic insulator made of self-extinguishing plastic.

Standard exploitation conditions:

- ambient temperature: from –40 to +50 °C;
- relative humidity: under 90%.

Technical Features

	Type	Hole diameter, mm d1	Hole diameter, mm d2	Max. current, A	Insulator type	Mounting type
	6×9 X/1	4	6	100	–	onto an insulator, screw-type, center
	8×12 X/1	5	7,5	125	–	onto an insulator, screw-type, center
	6×9 X/2	4	6	100	–	onto an insulator, screw-type, side
	8×12 X/2	5	7,5	125	–	onto an insulator, screw-type, side
	6×9 U1	4	6	100	one corner-type	screw-type
	6×9 U2	4	6	100	two corner-type	screw-type
	8×12 U2	5	7,5	125	two corner-type	screw-type
	8×12 KS	7	7	125	combined DIN-insulator of "Bearing" type	onto a DIN-rail, screw-type, onto a G-rail
	6×9 S	5,5	5,5	100	DIN-insulator of "Bearing" type	onto a DIN-rail
	6×9 K	5	5	100	body-type DIN-insulator	onto a DIN-rail
	6×9 D	4	6	100	DIN-insulator	onto a DIN-rail
	8×12 D	5	7,5	125	DIN-insulator	onto a DIN-rail

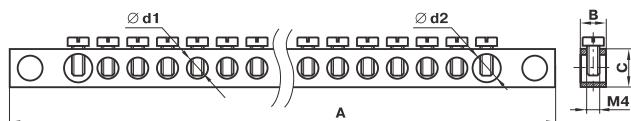
Designation structure for neutral bus bars with insulators:

SCHNI-X-X-X-X

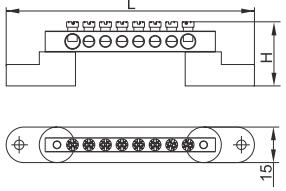
- SCH - Neutral insulated bus bar
- X - Neutral bus dimensions:
6×9;
8×12.
- X - Number of holes
- X - Type:
U2 - with two corner insulators;
U1 - with one corner insulator;
D - with DIN-insulator;
S - DIN-insulator of "Bearing" type;
KS - combined DIN-insulator of "Bearing" type;
K - body insulator for a DIN-rail.
- X - Insulator color:
Z - green;
G - yellow;
Sr - gray;
S - blue.

Range

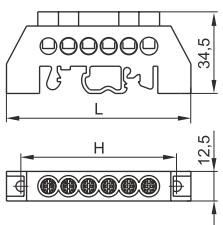
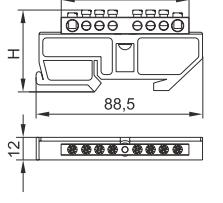
Neutral bus bars with insulators



Name	Number of holes	Overall dimensions, mm			Thread	Package amount, pcs.	Product ID
		A	B	C			
6×9 4/2	4	42	6	9	M4	10	YNN11-04-100
6×9 6/2	6	54	6	9	M4	10	YNN11-06-100
6×9 8/2	8	66	6	9	M4	10	YNN11-08-100
6×9 10/2	10	78	6	9	M4	10	YNN11-10-100
6×9 12/2	12	90	6	9	M4	10	YNN11-12-100
6×9 14/2	14	102	6	9	M4	10	YNN11-14-100
6×9 16/2	16	114	6	9	M4	10	YNN11-16-100
6×9 18/2	18	126	6	9	M4	10	YNN11-18-100
6×9 20/2	20	138	6	9	M4	10	YNN11-20-100
6×9 22/2	22	150	6	9	M4	10	YNN11-22-100
6×9 24/2	24	162	6	9	M4	10	YNN11-24-100
8×12 4/2	4	49	8	12	M5	10	YNN21-04-100
8×12 6/2	6	63	8	12	M5	10	YNN21-06-100
8×12 8/2	8	77	8	12	M5	10	YNN21-08-100
8×12 10/2	10	91	8	12	M5	10	YNN21-10-100
8×12 12/2	12	105	8	12	M5	10	YNN21-12-100
8×12 14/2	14	119	8	12	M5	10	YNN21-14-100
8×12 16/2	16	133	8	12	M5	10	YNN21-16-100
8×12 18/2	18	147	8	12	M5	10	YNN21-18-100
8×12 20/2	20	161	8	12	M5	10	YNN21-20-100
8×12 22/2	22	175	8	12	M5	10	YNN21-22-100
8×12 24/2	24	189	8	12	M5	10	YNN21-24-100
6×9 4/1	4	38	6	9	M4	10	YNN10-04-100
6×9 6/1	6	51	6	9	M4	10	YNN10-06-100
6×9 8/1	8	64	6	9	M4	10	YNN10-08-100
6×9 10/1	10	77	6	9	M4	10	YNN10-10-100
6×9 12/1	12	90	6	9	M4	10	YNN10-12-100
6×9 14/1	14	103	6	9	M4	10	YNN10-14-100
6×9 16/1	16	116	6	9	M4	10	YNN10-16-100
6×9 18/1	18	129	6	9	M4	10	YNN10-18-100
6×9 20/1	20	142	6	9	M4	10	YNN10-20-100
6×9 22/1	22	155	6	9	M4	10	YNN10-22-100
6×9 24/1	24	168	6	9	M4	10	YNN10-24-100

Name	Number of holes	Overall dimensions, mm			Thread	Package amount, pcs.	Product ID	
		A	B	C				
8×12 4/1	4	42	8	12	M5	10	YNN20-04-100	
8×12 6/1	6	57	8	12	M5	10	YNN20-06-100	
8×12 8/1	8	72	8	12	M5	10	YNN20-08-100	
8×12 10/1	10	87	8	12	M5	10	YNN20-10-100	
8×12 12/1	12	102	8	12	M5	10	YNN20-12-100	
8×12 14/1	14	117	8	12	M5	10	YNN20-14-100	
8×12 16/2	16	132	8	12	M5	10	YNN20-16-100	
8×12 18/2	18	147	8	12	M5	10	YNN20-18-100	
8×12 20/1	20	162	8	12	M5	10	YNN20-20-100	
8×12 22/1	22	177	8	12	M5	10	YNN20-22-100	
8×12 24/1	24	192	8	12	M5	10	YNN20-24-100	
8×12 26/2*	24	242	8	12	M5	10	YNN21-26-125	
Overall dimensions		Name	Number of holes	L	H	Insulator color	Package amount, pcs.	Product ID
Neutral bus bars with two corner insulators								
		SCHNI-6×9-4-U2-S	4	47	28,0	blue	10	YNN10-69-4C2-K07
		SCHNI-6×9-6-U2-S	6	59	28,0	blue	10	YNN10-69-6C2-K07
		SCHNI-6×9-8-U2-S	8	71	28,0	blue	10	YNN10-69-8C2-K07
		SCHNI-6×9-10-U2-S	10	83	28,0	blue	10	YNN10-69-10C2-K07
		SCHNI-6×9-12-U2-S	12	95	28,0	blue	10	YNN10-69-12C2-K07
		SCHNI-6×9-14-U2-S	14	107	28,0	blue	10	YNN10-69-14C2-K07
		SCHNI-6×9-16-U2-S	16	119	28,0	blue	10	YNN10-69-16C2-K07
		SCHNI-6×9-18-U2-S	18	131	28,0	blue	10	YNN10-69-18C2-K07
		SCHNI-6×9-20-U2-S	20	143	28,0	blue	10	YNN10-69-20C2-K07
		SCHNI-6×9-22-U2-S	22	155	28,0	blue	10	YNN10-69-22C2-K07
		SCHNI-6×9-24-U2-S	24	167	28,0	blue	10	YNN10-69-24C2-K07
		SCHNI-6×9-4-U2-G	4	47	28,0	yellow	10	YNN10-69-4C2-K05
		SCHNI-6×9-6-U2-G	6	59	28,0	yellow	10	YNN10-69-6C2-K05
		SCHNI-6×9-8-U2-G	8	71	28,0	yellow	10	YNN10-69-8C2-K05
		SCHNI-6×9-10-U2-G	10	83	28,0	yellow	10	YNN10-69-10C2-K05
		SCHNI-6×9-12-U2-G	12	95	28,0	yellow	10	YNN10-69-12C2-K05
		SCHNI-6×9-14-U2-G	14	107	28,0	yellow	10	YNN10-69-14C2-K05
		SCHNI-6×9-16-U2-G	16	119	28,0	yellow	10	YNN10-69-16C2-K05
		SCHNI-6×9-18-U2-G	18	131	28,0	yellow	10	YNN10-69-18C2-K05
		SCHNI-6×9-20-U2-G	20	143	28,0	yellow	10	YNN10-69-20C2-K05
		SCHNI-6×9-22-U2-G	22	155	28,0	yellow	10	YNN10-69-22C2-K05
		SCHNI-6×9-24-U2-G	24	167	28,0	yellow	10	YNN10-69-24C2-K05
		SCHNI-8×12-4-U2-S	4	54	32,0	blue	10	YNN10-812-4C2-K07
		SCHNI-8×12-6-U2-S	6	68	29,3	blue	10	YNN10-812-6C2-K07
		SCHNI-8×12-8-U2-S	8	82	29,3	blue	10	YNN10-812-8C2-K07
		SCHNI-8×12-10-U2-S	10	96	29,3	blue	10	YNN10-812-10C2-K07
		SCHNI-8×12-12-U2-S	12	110	29,3	blue	10	YNN10-812-12C2-K07
		SCHNI-8×12-14-U2-S	14	124	29,3	blue	10	YNN10-812-14C2-K07
		SCHNI-8×12-16-U2-S	16	138	29,3	blue	10	YNN10-812-16C2-K07
		SCHNI-8×12-18-U2-S	18	152	29,3	blue	10	YNN10-812-18C2-K07
		SCHNI-8×12-20-U2-S	20	166	29,3	blue	10	YNN10-812-20C2-K07
		SCHNI-8×12-22-U2-S	22	180	29,3	blue	10	YNN10-812-22C2-K07
		SCHNI-8×12-24-U2-S	24	194	29,3	blue	10	YNN10-812-24C2-K07
		SCHNI-8×12-4-U2-G	4	54	29,3	yellow	10	YNN10-812-4C2-K05
		SCHNI-8×12-6-U2-G	6	68	29,3	yellow	10	YNN10-812-6C2-K05
		SCHNI-8×12-8-U2-G	8	82	29,3	yellow	10	YNN10-812-8C2-K05
		SCHNI-8×12-10-U2-G	10	96	29,3	yellow	10	YNN10-812-10C2-K05
		SCHNI-8×12-12-U2-G	12	110	29,3	yellow	10	YNN10-812-12C2-K05
		SCHNI-8×12-14-U2-G	14	124	29,3	yellow	10	YNN10-812-14C2-K05
		SCHNI-8×12-16-U2-G	16	138	29,3	yellow	10	YNN10-812-16C2-K05
		SCHNI-8×12-18-U2-G	18	152	29,3	yellow	10	YNN10-812-18C2-K05
		SCHNI-8×12-20-U2-G	20	166	29,3	yellow	10	YNN10-812-20C2-K05
		SCHNI-8×12-22-U2-G	22	180	29,3	yellow	10	YNN10-812-22C2-K05
		SCHNI-8×12-24-U2-G	24	194	29,3	yellow	10	YNN10-812-24C2-K05

* for UNIVERSAL series cases

Overall dimensions	Name	Number of holes	L	H	Insulator color	Package amount, pcs.	Product ID
Neutral bus bars in combined DIN-insulators of "Bearing" type							
	SCHNI-8×12-6-KS-S	6	78	66	blue	20	YNN10-812-6DP-K07
	SCHNI-8×12-8-KS-S	8	95	83	blue	20	YNN10-812-8DP-K07
	SCHNI-8×12-10-KS-S	10	112	100	blue	20	YNN10-812-10DP-K07
	SCHNI-8×12-12-KS-S	12	129	117	blue	20	YNN10-812-12DP-K07
	SCHNI-8×12-14-KS-S	14	146	134	blue	20	YNN10-812-14DP-K07
	SCHNI-8×12-16-KS-S	16	163	151	blue	20	YNN10-812-16DP-K07
	SCHNI-8×12-6-KS-G	6	78	66	yellow	20	YNN10-812-6DP-K05
	SCHNI-8×12-8-KS-G	8	95	83	yellow	20	YNN10-812-8DP-K05
	SCHNI-8×12-10-KS-G	10	112	100	yellow	20	YNN10-812-10DP-K05
	SCHNI-8×12-12-KS-G	12	129	117	yellow	20	YNN10-812-12DP-K05
	SCHNI-8×12-14-KS-G	14	146	134	yellow	20	YNN10-812-14DP-K05
	SCHNI-8×12-16-KS-G	16	163	151	yellow	20	YNN10-812-16DP-K05
Neutral bus bar with DIN-insulator							
	SCHNI-6×9-4-D-S	4	42	42,0	blue	20	YNN10-69-4D-K07
	SCHNI-6×9-6-D-S	6	54	42,0	blue	20	YNN10-69-6D-K07
	SCHNI-6×9-8-D-S	8	66	42,0	blue	20	YNN10-69-8D-K07
	SCHNI-6×9-10-D-S	10	78	42,0	blue	20	YNN10-69-10D-K07
	SCHNI-6×9-12-D-S	12	90	42,0	blue	20	YNN10-69-12D-K07
	SCHNI-6×9-14-D-S	14	103	42,0	blue	20	YNN10-69-14D-K07
	SCHNI-6×9-16-D-S	16	116	42,0	blue	20	YNN10-69-16D-K07
	SCHNI-6×9-18-D-S	18	129	42,0	blue	20	YNN10-69-18D-K07
	SCHNI-6×9-20-D-S	20	142	42,0	blue	20	YNN10-69-20D-K07
	SCHNI-6×9-22-D-S	22	155	42,0	blue	20	YNN10-69-22D-K07
	SCHNI-6×9-24-D-S	24	168	42,0	blue	20	YNN10-69-24D-K07
	SCHNI-8×12-4-D-S	4	49	45,4	blue	20	YNN10-812-4D-K07
	SCHNI-8×12-6-D-S	6	63	45,4	blue	20	YNN10-812-6D-K07
	SCHNI-8×12-8-D-S	8	77	45,4	blue	20	YNN10-812-8D-K07
	SCHNI-8×12-10-D-S	10	91	45,4	blue	20	YNN10-812-10D-K07
	SCHNI-8×12-12-D-S	12	102	45,4	blue	20	YNN10-812-12D-K07
	SCHNI-8×12-14-D-S	14	117	45,4	blue	20	YNN10-812-14D-K07
	SCHNI-8×12-16-D-S	16	132	45,4	blue	20	YNN10-812-16D-K07
	SCHNI-8×12-18-D-S	18	147	45,4	blue	20	YNN10-812-18D-K07
	SCHNI-8×12-20-D-S	20	162	45,4	blue	20	YNN10-812-20D-K07
	SCHNI-8×12-22-D-S	22	177	45,4	blue	20	YNN10-812-22D-K07
	SCHNI-8×12-24-D-S	24	192	45,4	blue	20	YNN10-812-24D-K07
	SCHNI-6×9-4-D-G	4	42	42,0	yellow	20	YNN10-69-4D-K05
	SCHNI-6×9-6-D-G	6	54	42,0	yellow	20	YNN10-69-6D-K05
	SCHNI-6×9-8-D-G	8	66	42,0	yellow	20	YNN10-69-8D-K05
	SCHNI-6×9-10-D-G	10	78	42,0	yellow	20	YNN10-69-10D-K05
	SCHNI-6×9-12-D-G	12	90	42,0	yellow	20	YNN10-69-12D-K05
	SCHNI-6×9-14-D-G	14	103	42,0	yellow	20	YNN10-69-14D-K05
	SCHNI-6×9-16-D-G	16	116	42,0	yellow	20	YNN10-69-16D-K05
	SCHNI-6×9-18-D-G	18	129	42,0	yellow	20	YNN10-69-18D-K05
	SCHNI-6×9-20-D-G	20	142	42,0	yellow	20	YNN10-69-20D-K05
	SCHNI-6×9-22-D-G	22	155	42,0	yellow	20	YNN10-69-22D-K05
	SCHNI-6×9-24-D-G	24	168	42,0	yellow	20	YNN10-69-24D-K05
	SCHNI-8×12-4-D-G	4	49	45,4	yellow	20	YNN10-812-4D-K05
	SCHNI-8×12-6-D-G	6	63	45,4	yellow	20	YNN10-812-6D-K05
	SCHNI-8×12-8-D-G	8	77	45,4	yellow	20	YNN10-812-8D-K05
	SCHNI-8×12-10-D-G	10	91	45,4	yellow	20	YNN10-812-10D-K05
	SCHNI-8×12-12-D-G	12	102	45,4	yellow	20	YNN10-812-12D-K05
	SCHNI-8×12-14-D-G	14	117	45,4	yellow	20	YNN10-812-14D-K05
	SCHNI-8×12-16-D-G	16	132	45,4	yellow	20	YNN10-812-16D-K05
	SCHNI-8×12-18-D-G	18	147	45,4	yellow	20	YNN10-812-18D-K05
	SCHNI-8×12-20-D-G	20	162	45,4	yellow	20	YNN10-812-20D-K05
	SCHNI-8×12-22-D-G	22	177	45,4	yellow	20	YNN10-812-22D-K05
	SCHNI-8×12-24-D-G	24	192	45,4	yellow	20	YNN10-812-24D-K05

Overall dimensions	Name	Number of holes	L	Insulator color	Package amount, pcs.	Product ID
Neutral insulated bus bar with one corner insulator						
	SCHNI-6×9-4-U1-S	4	38	blue	10	YNN10-69-4C1-K07
	SCHNI-6×9-6-U1-S	6	51	blue	10	YNN10-69-6C1-K07
	SCHNI-6×9-8-U1-S	8	64	blue	10	YNN10-69-8C1-K07
	SCHNI-6×9-10-U1-S	10	77	blue	10	YNN10-69-10C1-K07
	SCHNI-6×9-12-U1-S	12	90	blue	10	YNN10-69-12C1-K07
	SCHNI-6×9-14-U1-S	14	103	blue	10	YNN10-69-14C1-K07
	SCHNI-6×9-16-U1-S	16	116	blue	10	YNN10-69-16C1-K07
	SCHNI-6×9-18-U1-S	18	129	blue	10	YNN10-69-18C1-K07
	SCHNI-6×9-20-U1-S	20	142	blue	10	YNN10-69-20C1-K07
	SCHNI-6×9-22-U1-S	22	155	blue	10	YNN10-69-22C1-K07
	SCHNI-6×9-24-U1-S	24	168	blue	10	YNN10-69-24C1-K07
	SCHNI-6×9-4-U1-G	4	38	yellow	10	YNN10-69-4C1-K05
	SCHNI-6×9-6-U1-G	6	51	yellow	10	YNN10-69-6C1-K05
	SCHNI-6×9-8-U1-G	8	64	yellow	10	YNN10-69-8C1-K05
	SCHNI-6×9-10-U1-G	10	77	yellow	10	YNN10-69-10C1-K05
	SCHNI-6×9-12-U1-G	12	90	yellow	10	YNN10-69-12C1-K05
	SCHNI-6×9-14-U1-G	14	103	yellow	10	YNN10-69-14C1-K05
	SCHNI-6×9-16-U1-G	16	116	yellow	10	YNN10-69-16C1-K05
	SCHNI-6×9-18-U1-G	18	129	yellow	10	YNN10-69-18C1-K05
	SCHNI-6×9-20-U1-G	20	142	yellow	10	YNN10-69-20C1-K05
	SCHNI-6×9-22-U1-G	22	155	yellow	10	YNN10-69-22C1-K05
	SCHNI-6×9-24-U1-G	24	168	yellow	10	YNN10-69-24C1-K05
Neutral bus bar with DIN-insulator of "Bearing" type						
	SCHNI-6×9-8-S-S	8	59	blue	10	YNN10-69-8P-K07
	SCHNI-6×9-10-S-S	10	72	blue	10	YNN10-69-10P-K07
	SCHNI-6×9-12-S-S	12	85	blue	10	YNN10-69-12P-K07
	SCHNI-6×9-14-S-S	14	98	blue	10	YNN10-69-14P-K07
	SCHNI-6×9-8-S-G	8	59	yellow	10	YNN10-69-8P-K05
	SCHNI-6×9-10-S-G	10	72	yellow	10	YNN10-69-10P-K05
	SCHNI-6×9-12-S-G	12	85	yellow	10	YNN10-69-12P-K05
	SCHNI-6×9-14-S-G	14	98	yellow	10	YNN10-69-14P-K05
Neutral bus bar in body-insulator onto a DIN-rail						
	SCHNI-6×9-8-K-Z	8	62	green	10	YNN10-69-8KD-K06
	SCHNI-6×9-10-K-Z	10	75	green	10	YNN10-69-10KD-K06
	SCHNI-6×9-12-K-Z	12	88	green	10	YNN10-69-12KD-K06
	SCHNI-6×9-14-K-Z	14	101	green	10	YNN10-69-14KD-K06
	SCHNI-6×9-16-K-Z	16	114	green	10	YNN10-69-16KD-K06
	SCHNI-6×9-8-K-S	8	62	blue	10	YNN10-69-8KD-K07
	SCHNI-6×9-10-K-S	10	75	blue	10	YNN10-69-10KD-K07
	SCHNI-6×9-12-K-S	12	88	blue	10	YNN10-69-12KD-K07
	SCHNI-6×9-14-K-S	14	101	blue	10	YNN10-69-14KD-K07
	SCHNI-6×9-16-K-S	16	114	blue	10	YNN10-69-16KD-K07
	SCHNI-6×9-8-K-Sr	8	62	gray	10	YNN10-69-8KD-K02
	SCHNI-6×9-10-K-Sr	10	75	gray	10	YNN10-69-10KD-K02
	SCHNI-6×9-12-K-Sr	12	88	gray	10	YNN10-69-12KD-K02
	SCHNI-6×9-14-K-Sr	14	101	gray	10	YNN10-69-14KD-K02
	SCHNI-6×9-16-K-Sr	16	114	gray	10	YNN10-69-16KD-K02

Enclosed neutral bus bars

These bars are made of high-quality latten alloy, insulated back panel and transparent protective cover are made of self-extinguishing plastic.

Enclosed neutral bus bars are used for completing panel equipment for connecting a neutral conductor (neutral operating bus), a grounding wire and phase conductors.

Mounting methods:

- onto a 35 mm DIN-rail;
- with two screws onto the distribution box panel.

Each bus is separately insulated.

Cross-module are manufactured with two or four buses suitable for currents limited to 100 and 125 A.

Technical Features

Name	Max. current, A	Cable size, mm ² with bushing caps	Cable size, mm ² without caps	Number and diameter of holes
"N" neutral bus for a DIN-rail in 2×7 casing of IEK group	100	1,5–6,0	1,5–6,0	5 × Ø5,3 mm
		6,0–16,0	6,0–16	2 × Ø7,5 mm
"N" neutral bus for a DIN-rail in 2×15 casing of IEK group	125	1,5–6,0	2,5–6,0	11 × Ø5,3 mm
		6,0–16,0	10,0–25,0	2 × Ø7,5 mm
		10,0–16,0	10,0–35,0	2 × Ø9 mm
"N" neutral bus for a DIN-rail in 4×7 casing of IEK group	100	1,5–6,0	2,5–6,0	5 × Ø5,3 mm
		6,0–16	10,0–25,0	2 × Ø7,5 mm
"N" neutral bus for a DIN-rail in 4×11 casing of IEK group	125	1,5–6,0	2,5–6,0	7 × Ø5,3 mm
		6,0–16,0	10,0–25,0	2 × Ø7,5 mm
		10,0–16,0	10,0–35,0	2 × Ø9 mm
"N" neutral bus for a DIN-rail in 4×15 casing of IEK group	125	1,5–6,0	2,5–6,0	11 × Ø5,3 mm
		6,0–16,0	10,0–25,0	2 × Ø7,5 mm
		10,0–16,0	10,0–35,0	2 × Ø9 mm

Range

Overall dimensions	Name	A, mm	Transport package amount, pcs.	Product ID
	"N" neutral bus for a DIN-rail in 2×7 casing of IEK group	65	50	YND10-2-07-100
	"N" neutral bus for a DIN-rail in 2×15 casing of IEK group	132	50	YND10-2-15-125
	"N" neutral bus for a DIN-rail in 4×7 casing of IEK group	65	50	YND10-4-07-100
	"N" neutral bus for a DIN-rail in 4×11 casing of IEK group	100	50	YND10-4-11-125
	"N" neutral bus for a DIN-rail in 4×15 casing of IEK group	132	50	YND10-4-15-125

RBD distribution terminal blocks for DIN rail

RBD distribution terminal blocks are designed for use as terminal clamps when multiple smaller conductors must be connected to a conductor with bigger cross-section, for arrangement of distribution systems in cabinets, arrangement of main earthing busbar.

They are intended for installation on DIN rail or mounting panel both in power supply cabinets and flat distribution boards, working in the systems of voltages up to 1000 V and frequency 50 Hz, at ambient air temperature from -40 to +70°C.

RBD distribution terminal blocks are made from high-quality brass with special protective coating.

The body is made from non-combustible plastic.

Installation methods:

- on DIN rail 35 mm wide;
- on the board panel using 2 screws.

Technical characteristics

Parameter	Value					
Rated voltage, V	600 1000					
Rated current, A	80	125	160	250	400	500
Rated withstand impulse current I_{pk} , kA	22	30	30	51	51	51
Maximum RMS short-term current I_{cw} (kA)	3	4,2	11,8	24,5	24,5	24,5
Degree of protection	IP20					
Operating temperature, °C	-40 ÷ +70					

Range

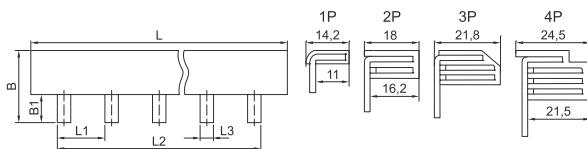
Overall dimensions	Description	Rated current, A	Input terminals	Output terminals	Weight, kg	Package qty.	Product ID
	Distribution terminal block for DIN rail RBD-80A	80	1×16 mm ²	2×16 mm ² 4×10 mm ²	0,07	6	RBD-80
	Distribution terminal block for DIN rail RBD-125A Distribution terminal block for DIN rail RBD-160A	125 160	1×35 mm ² 1×16 mm ² 1×70 mm ² 1×16 mm ²	6×16 mm ² 1×16 mm ² 6×16 mm ² 1×16 mm ²	0,14 0,14	6	RBD-125 RBD-160
	Distribution terminal block for DIN rail RBD-250A Distribution terminal block for DIN rail RBD-400A Distribution terminal block for DIN rail RBD-500A	250 400 500	1×120 mm ² 1×185 mm ² flat bar width 15-24 mm thickness 3-8 mm	5×16 mm ² 2×35 mm ² 4×10 mm ² 5×16 mm ² 2×35 mm ² 4×10 mm ² 5×16 mm ² 2×35 mm ² 4×10 mm ²	0,44 0,46 0,39	6	RBD-250 RBD-400 RBD-500

Bridging bars

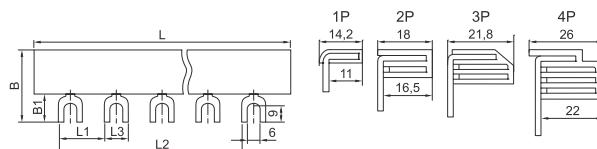
Bridging bars are applied for convenient and safe connection of various groups: VA (MCBs), AD (RCBOs), VD (RCCBs) and VN (modular disconnectors). Buses with 18mm step are intended for commuting one-module-fold wide equipment; 27 mm step buses are designed for 1,5 module-fold wide devices. Buses are optimized per rated current of 100 A but can be used with rated current of 125 A if the incoming switch is connected on the center. There are plugs intended for 1,5 module wide buses.

Range

PIN 63 A

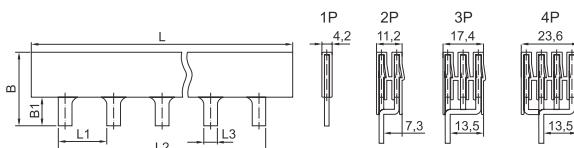


FORK 63 A

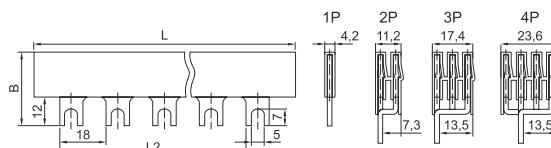


Name	Rated current, A	Max. number of connected devices, pcs.	Dimensions, mm						Product ID
			L	L1	L2	L3	B	B1	
PIN 1P 63 A 18 mm step IEK	63	53	1000	18	204	5,5	13,9	9,5	YNS21-1-063
PIN 2P 63 A 18 mm step IEK	63	54	1000	18	193	5,5	20,2	11	YNS21-2-063
PIN 3P 63 A 18 mm step IEK	63	54	1000	18	954	5,5	22,3	11,5	YNS21-3-063
PIN 4P 63 A 18 mm step IEK	63	52	1000	18	918	5,5	28,3	12	YNS21-4-063
PIN (12 pins) 1P 63 A 22cm	63	12	220	18	—	5,5	13,9	9,5	YNS21-1-063-22-12
PIN (12 pins) 3P 63 A 22 cm	63	12	220	18	—	5,5	22,3	11,5	YNS21-3-063-22-12
FORK 1P 63 A 18 mm step IEK	63	54	1000	18	954	11	15,4	11	YNS11-1-063
FORK 2P 63 A 18 mm step IEK	63	54	1000	18	954	11	21,7	12,5	YNS11-2-063
FORK 3P 63 A 18 mm step IEK	63	54	1000	18	954	11	22,8	11,5	YNS11-3-063
FORK 4P 63 A 18 mm step IEK	63	52	1000	18	918	12	29,8	13,5	YNS11-4-063

PIN 100 A



FORK 100 A



Name	Rated current, A	Max. number of connected devices, pcs.	Dimensions, mm						Product ID
			L	L1	L2	L3	B	B1	
PIN 1P 100 A 18 mm step IEK	100 (125*)	54	1000	18	954	5	30,5	12	YNS21-1-100
PIN 2P 100 A 18 mm step IEK	100 (125*)	54	1000	18	954	5	37,5	12	YNS21-2-100
PIN 3P 100 A 18 mm step IEK	100 (125*)	54	1000	18	954	5	37,5	12	YNS21-3-100
PIN 4P 100 A 18 mm step IEK	100 (125*)	56	1030	18	990	6	37,5	12	YNS21-4-100
PIN 1P 100 A 27 mm step IEK	100 (125*)	37	1000	27	972	7,5	38,5	20	YNS51-1-100
PIN 2P 100 A 27 mm step IEK	100 (125*)	36	1000	27	945	7,5	46,2	12	YNS51-2-100
PIN 3P 100 A 27 mm step IEK	100 (125*)	36	1000	27	945	7,5	46,2	12	YNS51-3-100
PIN 4P 100 A 27 mm step IEK	100 (125*)	36	1030	27	945	7,5	46,2	12	YNS51-4-100
FORK 1P 100 A 18 mm step IEK	100 (125*)	54	1000	18	954	9	30,5	12	YNS11-1-100
FORK 2P 100 A 18 mm step IEK	100 (125*)	54	1000	18	954	9	37,5	12	YNS11-2-100
FORK 3P 100 A 18 mm step IEK	100 (125*)	54	1000	18	954	9	37,5	12	YNS11-3-100
FORK 4P 100 A 18 mm step IEK	100 (125*)	56	1030	18	990	9	37,5	12	YNS11-4-100
Plug for PIN 1P 100 A 27 mm step IEK									YNK51-1-100
Plug for PIN 2P 100 A 27 mm step IEK									YNK51-2-100
Plug for PIN 3P 100 A 27 mm step IEK									YNK51-3-100
Plug for PIN 4P 100 A 27 mm step IEK									YNK51-4-100

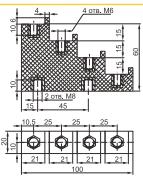
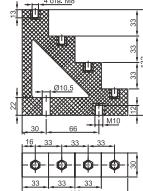
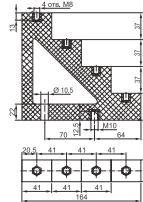
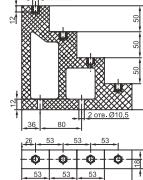
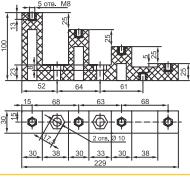
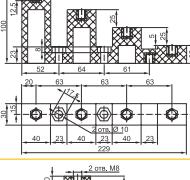
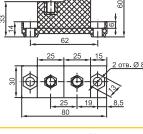
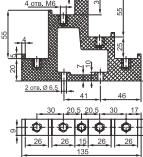
* It is possible to use buses for currents of 125A in case of center connection of the incoming switch.

Stepped bus insulators

IEK® brand stepped bus insulators are intended for rigid fixing and insulation of current-conducting buses inside the electric panels, busbar bridges and other equipment.

This insulator guarantees the absence of disruptive discharges between the buses and can be used in AC and DC electric equipment of 50 Hz and voltage under 1000 V.

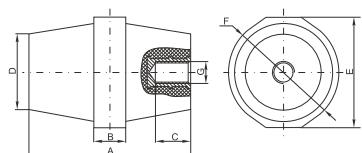
Insulator casing is made of special mechanical impact-resistant non-flammable polymer notable for its high electrical resistance ratings.

Overall dimensions	Name	Disruptive insulation discharge voltage of industrial frequency, kV	Weight, kg	Number of bolts per insulator	Package amount	Product ID
	IS4-20 (M6) power IEK IS4-20 (M6) power with a bolt IEK	5,0 5,0	0,130 0,180	— 4(M6×10)	2 2	YIS11-4-20 YIS11-4-20-B
						
	IS4-30 (M8) power IEK IS4-30 (M8) power with a bolt IEK	8,0 8,0	0,480 0,520	— 4(M8×15)	2 2	YIS11-4-30 YIS11-4-30-B
	IS4-40 (M8) power IEK IS4-40 (M8) power with a bolt IEK	10,0 10,0	0,630 0,670	— 4(M8×15)	2 2	YIS11-4-40 YIS11-4-40-B
	IS4-50 (M10) power IEK IS4-50 (M10) power with a bolt IEK	14,0 14,0	1,160 1,240	— 4(M10×15)	2 2	YIS11-4-50 YIS11-4-50-B
	ISv4-30 (M8) power IEK ISv4-30 (M8) power with a bolt IEK	14,0 14,0	0,520 0,560	— 4(M8×15)	2 2	YIS11-4-30-8 YIS11-4-30-8-B
	ISv4-40 (M10) power IEK ISv4-40 (M10) power with a bolt IEK	14,0 14,0	0,560 0,640	— 4(M10×15)	2 2	YIS11-4-40-8 YIS11-4-40-8-B
	IS2-25 (M8) power IEK IS2-25 (M8) power with a bolt IEK	6,0 6,0	0,130 0,150	— 2(M8×15)	10 10	YIS11-2-25 YIS11-2-25-B
	IS4-25/1-15 (4×M6; 1×M5) power IEK IS4-25/1-15 (4×M6; 1×M5) power with a bolt IEK	6,0 6,0	0,170 0,194	— 4(M6×10)+ 1(M5×10)	5 5	YIS11-5-25 YIS11-5-25-B

SM busbar insulators

Busbar insulators connect current-conducting buses inside power distribution boxes and assemblies for insulation and fastening of conducting parts from the casing and panels with consequent connection of power cables for electricity distribution inside the box.

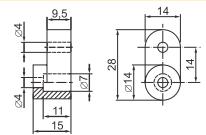
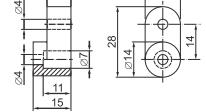
The insulator should be fixed to the mounting plate or casing with the help of a bolt on the one side; current-conducting bus is fastened to the insulator on the other side. Each bus is installed minimum on two insulators (at the bus ends). It is possible to install intermediate insulators (depending on the installation circuit and bus length).



	Name	Dimensions, mm						Center fitting diameter with internal thread	Product ID
		A	B	C	D	E	F		
	SM25 power insulator	25	9	9	25	30	30	M6	YIS11-25-06
	SM25 power insulator with bolt	25	9	9	25	30	30	M6	YIS11-25-06-B
	SM30 power insulator	30	10	10	25	32	32	M8	YIS11-30-08
	SM30 power insulator with bolt	30	10	10	25	32	32	M8	YIS11-30-08-B
	SM35 power insulator	35	10	12	28	32	32	M8	YIS11-35-10
	SM35 power insulator with bolt	35	10	12	28	32	32	M8	YIS11-35-10-B
	SM40 power insulator	40	12	12	34	41	41	M8	YIS11-40-12
	SM40 power insulator with bolt	40	12	12	34	41	41	M8	YIS11-40-12-B
	SM45 power insulator	45	10	11	30	36	36	M8	YIS11-45-14
	SM45 power insulator with bolt	45	10	11	30	36	36	M8	YIS11-40-12-B
	SM51 power insulator	51	12	12	30	36	36	M8	YIS11-51-15
	SM51 power insulator with bolt	51	12	12	30	36	36	M8	YIS11-51-15-B
	SM60 power insulator	60	13	15	34	46	46	M8	YIS11-60-20
	SM60 power insulator with bolt	60	13	15	34	46	46	M8	YIS11-60-20-B
	SM76 power insulator	76	14	16	36	50	50	M10	YIS11-76-25
	SM76 power insulator with bolt	76	14	16	36	50	50	M10	YIS11-76-25-B

Neutral busbar insulators

These insulators are applied for neutral bus installation. Neutral busbar insulators are made of non-flammable polyethylene.

Overall dimensions	Name	Product ID
	Yellow DIN insulator	YIS21
	Blue DIN insulator	YIS22
	Corner insulator for "O" bus, yellow	YIS31
	Corner insulator for "O" bus blue	YIS32

12 module plugs

Name	Product ID	Made in Russia
	YZM10-12	
	YZM10-12-K01	

Glass for electric panels (plastic)

Name	Overall dimensions, mm	Product ID
	103,5×79	YWN11
	109,5×71,3	YWN12

DIN-rails and limiters

Perforated DIN-rails of IEK brand are used for fastening MCBs, modular equipment and other devices. They are made of galvanized steel.

Overall dimensions	Name	L, mm	a, mm	B, mm	n, pcs.	Package amount	Product ID
	DIN-rail (10 cm), galvanized	100	7	40	2	50	YDN10-00100
	DIN-rail (13 cm), galvanized	130	7	30	3	50	YDN10-0013
	DIN-rail (20 cm), galvanized	200	7	40	4	50	YDN10-0020
	DIN-rail (25 cm), galvanized	250	7	40	5	50	YDN10-0025
	DIN-rail (30 cm), galvanized	300	6,5	20	10	50	YDN10-0030
	DIN-rail (60 cm), galvanized	600	6,5	20	20	20	YDN10-0060
	DIN-rail (125 cm), galvanized	1250	6,5	20	41	20	YDN10-0125
Name	Multiple package amount	Transport package amount	Product ID				
	IEK DIN-rail limiter (metal)	150	900	YXD10			

Safety signs

Safety signs are intended for a visual information perception in order to ensure safety. These signs are made in the form of self-adhesive labels.

	Наименование	Product ID
	Self-adhesive label 40×20 mm, "12 V" symbol" Self-adhesive label 90×38 mm, "12 V" symbol"	YPC10-0012V-1-100 YPC10-0012V-3-021
	Self-adhesive label 40×20 mm, "24 V" symbol" Self-adhesive label 90×38 mm, "24 V" symbol"	YPC10-0024V-1-100 YPC10-0024V-3-021
	Self-adhesive label 40×20 mm, "36 V" symbol" Self-adhesive label 90×38 mm, "36 V" symbol"	YPC10-0036V-1-100 YPC10-0036V-3-021
	Self-adhesive label 40×20 mm, "42 V" symbol" Self-adhesive label 90×38 mm, "42 V" symbol"	YPC10-0042V-1-100 YPC10-0042V-3-021
	Self-adhesive label 40×20 mm, "220 V" symbol" Self-adhesive label 90×38 mm, "220 V" symbol"	YPC10-0220V-1-100 YPC10-0220V-3-021
	Self-adhesive label 40×20 mm, "380 V" symbol" Self-adhesive label 90×38 mm, "380 V" symbol"	YPC10-0380V-1-100 YPC10-0380V-3-021
	Self-adhesive label 30×30 mm, "Grounding" symbol"	YPC20-ZAZEM-1-096
	Self-adhesive label 25×25×25, "Danger Arrow" symbol" Self-adhesive label 50×50×50, "Danger Arrow" symbol" Self-adhesive label 85×85×85, "Danger Arrow" symbol" Self-adhesive label 100×100×100, "Danger Arrow" symbol" Self-adhesive label 130×130×130, "Danger Arrow" symbol" Self-adhesive label 160×160×160, "Danger Arrow" symbol"	YPC30-MOLNI-1-100 YPC30-MOLNI-2-110 YPC30-MOLNI-3-096 YPC30-MOLNI-4-096 YPC30-MOLNI-5-100 YPC30-MOLNI-6-100
	Self-adhesive label 77×52 mm "DANGER" symbol"	YPC10-OPASN-2-020
	Self-adhesive label 100×150 mm, "DANGER" symbol" Self-adhesive label 210×297 mm, "DANGER" symbol"	YPC10-OPASN-4-100 YPC10-OPASN-6-020
	Self-adhesive label Ø180 mm "Never use an open flame or smoke"	YPC40-ZPKUR-1-010
	Self-adhesive label Ø180 mm "Smoking area"	YPC40-KURIT-1-010
	Self-adhesive label Ø180 mm "No entry"	YPC40-PRZAP-1-010
	Self-adhesive label 150×150 mm, "Fire hazard"	YPC20-POGOP-2-010
	Self-adhesive label 150×150 mm, "Attention! Danger!"	YPC20-VNOPS-2-010
	Self-adhesive label 150×150 mm, "Fire extinguisher"	YPC20-OGNET-2-010
	Self-adhesive label 150×150 mm, "Fireplug"	YPC10-POGKR-5-010
	Self-adhesive label 150×150 mm, "First aid kit"	YPC20-MEDAP-2-010
	Self-adhesive label 150×150 mm, "Work here"	YPC20-RABZD-2-010
	Self-adhesive label 150×150 mm, "Access from here"	YPC20-VLZZD-2-010
	Self-adhesive label 200×100 mm, "Do not start. Men working on machine"	YPC10-NEVKL-5-010
	Self-adhesive label 200×100 mm, "Do not start. Line works"	YPC10-NEVKR-5-010
	Self-adhesive label 200×100 mm, "Do not open. Men working on machine"	YPC10-NEOTK-5-010
	Self-adhesive label 200×100 mm, "Danger! High voltage!"	YPC10-STNAP-5-010
	Self-adhesive label 200×100 mm, "Danger! Keep out!"	YPC10-NEVLZ-5-010
	Self-adhesive label 200×100 mm, "Grounded"	YPC10-ZAZEM-5-010

Moving direction signs

Made in
Russia

4

	Наименование	Product ID
	Self-adhesive label 150×150 mm, "Exit" (left) Self-adhesive label 50×50 mm, "Exit" (left)	YPC30-150VZ-LSTR YPC30-50VZ-LSTR
	Self-adhesive label 150×150 mm, "Exit" (right) Self-adhesive label 50×50 mm, "Exit" (right)	YPC30-150VZ-PSTR YPC30-50VZ-PSTR
	Self-adhesive label 150×150 mm, "Evacuation exit (up the stairs to the left)" Self-adhesive label 50×50 mm, "Evacuation exit (up the stairs to the left)"	YPC30-150NEV-LNALVV YPC30-50NEV-LNALVV
	Self-adhesive label 150×150 mm, "Evacuation exit (down the stairs to the left)" Self-adhesive label 50×50 mm, "Evacuation exit (down the stairs to the left)"	YPC30-150NEV-LNALVN YPC30-50NEV-LNALVN
	Self-adhesive label 150×150 mm, "Evacuation exit (up the stairs to the right)" Self-adhesive label 50×50 mm, "Evacuation exit (up the stairs to the right)"	YPC30-150NEV-LNAPRVV YPC30-50NEV-LNAPRVV
	Self-adhesive label 150×150 mm, "Evacuation exit (down the stairs to the right)" Self-adhesive label 50×50 mm, "Evacuation exit (down the stairs to the right)"	YPC30-150NEV-LNAPRVN YPC30-50NEV-LNAPRVN
ВЫХОД	Self-adhesive label 200×100 mm, "EXIT" Self-adhesive label 100×50 mm, "EXIT"	YPC30-2010V YPC30-105V
ЗАПАСНЫЙ ВЫХОД	Self-adhesive label 200×100 mm, "EMERGENCY EXIT" Self-adhesive label 100×50 mm, "EMERGENCY EXIT"	YPC30-2010ZAPV YPC30-105ZAPV
	Self-adhesive label 200×100 mm, "Evacuation exit direction – up to the left" Self-adhesive label 100×50 mm, "Evacuation exit direction – up to the left"	YPC30-2010NEV-NALVV YPC30-105NEV-NALVV
	Self-adhesive label 200×100 mm, "Evacuation exit direction – down to the left" Self-adhesive label 100×50 mm, "Evacuation exit direction – down to the left"	YPC30-2010NEV-NALVN YPC30-105NEV-NALVN
	Self-adhesive label 200×100 mm, "Evacuation exit direction – to the left" Self-adhesive label 100×50 mm, "Evacuation exit direction – to the left"	YPC30-2010NEV-NAL YPC30-105NEV-NAL
	Self-adhesive label 200×100 mm, "Evacuation exit direction – up to the right" Self-adhesive label 100×50 mm, "Evacuation exit direction – up to the right"	YPC30-2010NEV-NAPRVV YPC30-105NEV-NAPRVV
	Self-adhesive label 200×100 mm, "Evacuation exit direction – down to the right" Self-adhesive label 100×50 mm, "Evacuation exit direction – down to the right"	YPC30-2010NEV-NAPRVN YPC30-105NEV-NAPRVN
	Self-adhesive label 200×100 mm, "Evacuation exit direction – to the right" Self-adhesive label 100×50 mm, "Evacuation exit direction – to the right"	YPC30-2010NEV-NAPR YPC30-105NEV-NAPR
	Self-adhesive label 200×100 mm, "Evacuation exit direction – straight ahead" Self-adhesive label 100×50 mm, "Evacuation exit direction – straight ahead"	YPC30-2010NEV-PRM YPC30-105NEV-PRM

Locks with a metal key

These locks are made of chrome-plated steel. Metal keys are nickel-plated. Locks are intended for locking electric assemblies and panels in order to protect them from unauthorized access as well as moisture and dust ingress.

Range

Name	Package amount, pcs.		Product ID
	multiple	transport	
 Lock 18-18/34	10	500	YZK10-18-18-34
 Lock 18-20/40	10	500	YZK10-18-20-40
 Lock 20-22/40	6	300	YZK10-20-22-40
 Lock 20-22/45	6	300	YZK11-20-22-45
 Latch keeper for a metal box	15	300	YZK20-00
 Latch keeper with a three-edged key IP54 22-25/44	6	300	YZK21-00

Overall dimensions

Name	Dimensions, mm								
	B	B1	D	D1	H	H1	H2	H3	L
Lock 18-18/34	16	16	22,5	18	28	5	7	18,8	34 max
Lock 18-20/40	15	16,5	22	18	32,5	5	12	20,8	40 max
Lock 20-22/40	17	19	36	22	28	3	5	20	40 max
Lock 20-22/45	17	19	36	22	28	3	5	20	48 max
Latch keeper for a metal box	19	20	28	22	47	21	6	17	46 max
Latch keeper with a three-edged key IP54 22-25/44	20	20	28	22	31	4	8	25	44 max