



4 Cabinets, distribution boxes & accessories

Cases and distribution boxes for modular equipment	162
Plastic cases and distribution boxes	162
Distribution boxes for MCB KMPn, IP30	162
Modular metal-door plastic cases KMPv, IP30	164
Modular plastic cases SCHRn(V)-P, IP40	167
Modular plastic cases, KMPn, IP55	172
Surface mounted Modular plastic cases with the transparent cover KMPn5/16, IP55	176
Modular plastic cases, KMPn, IP66	178
Electric meter box, KS1-IP54	181
Modular metal distribution panels	185
Electric distribution panel cases, SCHRn(v)	185
Electric distribution panel and counter cases, SCHURn(v)	190
Lead-in Electric distribution panel and counter cases, SCHU	197
Modular distribution (SCHRn) and counter cases (SCHURn), LIGHT series	200
Modular distribution cases (SCHRn and SCHRv), UNIVERSAL series	205
Low voltage electrical switchboard	212
Step-down transformer boxe, YATP	212
Construction site distribution device, RUSP	214
Electric metal covers	216
Large size dismantable metal covers, KSRM	216
Distribution cases with mounting panel, SCHMP	221
Power distribution cases PR	229
Distribution cabinets accessories	234
Cable glands	234
Screw terminal blocks, ZNI	236
Neutral bus bar	237
Encapsulated neutral bus bar	242
Bridging bars	243
SM bus bar insulators	244
Neutral bus bar insulators	245
12 module plugs	245
Electric distribution panel plastic glass	245
DIN rails and DIN rail clip	245
Locks with the metal keys	246



Cases and distribution boxes for modular equipment

Plastic cases and distribution boxes

Distribution boxes for MCB KMPn, IP30

Private premises and office facilities frequently require installation of compact electrical distributors. KMPn distribution boxes featuring modern design and streamline geometry will fit into any interior.



Advantages


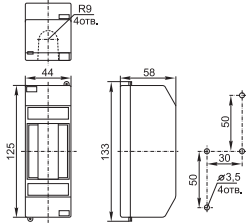

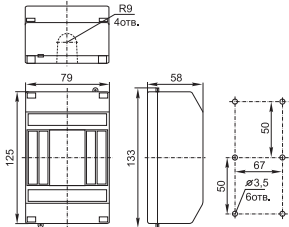

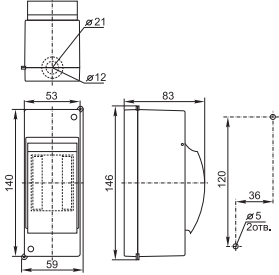

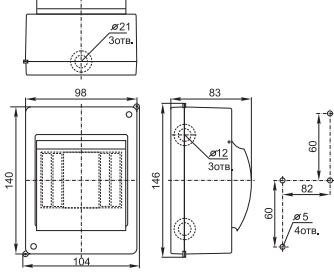

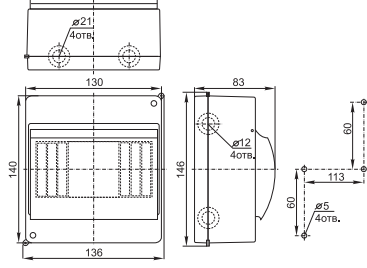
- Made of self-extinguishing polymers
- Power antitheft & unauthorized contact block access protection – sealing and tag-out option
- Easy and quick mounting
- Easy cable lead-in through chip out covers
- Option of installing several boxes in a line

Technical features

Mounting	surface
Protection degree	IP30 (IP20 without cover)
IP Class	II
Body material	ABS plastic
Door material	polystyrol
Color	RAL 9016
Rows	1
Ways	2 ÷ 6
Rated voltage, V	400
Rated frequency, Hz	50
Rated current In, A	63



Range

	Overall and installation dimensions	Name	PCS/PACKAGE	Article
		Surface mounted box, KMPn 1/2 Item size: 1 row, 2 modules	252	MKP31-N-02-30-252
		Surface mounted box, KMPn 1/4 Item size: 1 row, 4 modules	135	MKP31-N-04-30-135
		Surface mounted box, KMPn 2/2 Item size: 1 row, 2 modules	160	MKP42-N-02-30-20
		Surface mounted box, KMPn 2/4 Item size: 1 row, 4 modules	96	MKP42-N-04-30-12
		Surface mounted box, KMPn 2/6 Item size: 1 row, 6 modules	72	MKP42-N-06-30-09



Modular metal-door plastic cases, KMPv, IP30

Flush mounted cases are designed for installation in living and office premises. Unique design allows easy and quick mounting and fits into any interior.



Advantages

- Wide range of accessories for easy and quick mounting
- Power antitheft protection by sealing and tag-out option
- Steel door with anti-corrosive protection (phosphate & powder paint)
- Busbar fix connector easy readjustment
- Universal package
- Easy cable lead-in through quick detachable covers
- Unique design allows alignment within 18 mm

Technical features

Mounting	flush
Protection degree	IP30
IP Class	II
Body material	polystyrol
Door & frame material	steel
Color	RAL 9016
Rows	1-4
Ways	14-56
Rated voltage, V	400
Rated frequency, Hz	50
Rated current In, A	63



Advantages



Steel-sheet frame and door provide corrosion protection and are covered with special powder paint coating.



Detachable panels can be mounted on the center to avoid losses during mounting.



Tag-out orifices protect from unauthorized access.



Allows upper or lower installation of carrier with N and PE buses.



Detachable panels allow easy placement of conduits.



Mounting accessories for easy and time-saving installation.



Customized cable holders for easy mounting.



Special package markings allow a pinpoint accurate installation with no auxiliary drawings.

Complete set



Marking clips



Mounting frames. Screws and plastic dowels


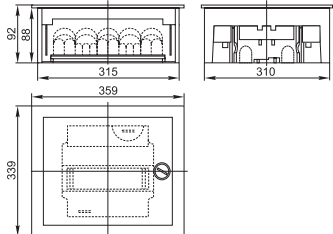



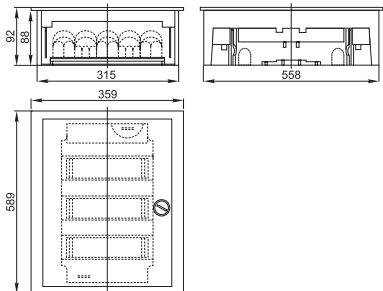

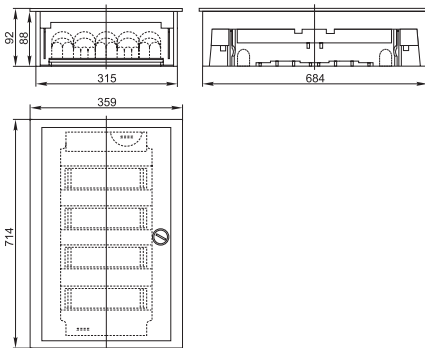


DIN rails and carrier for N and PE buses



Instruction manual and marking sheet

Range

	Overall and installation dimensions	Name	PCS/PACKAGE	Article
		Flush mounted metal-door box, KMPv 4/14 Item size: 1 row, 14 modules N and PE buses: 13×16 mm ² – 2 pcs. Weight: 2.088 kg	1	MKP54-V-14-30-01
		Flush mounted metal-door box, KMPv 4/28 Item size: 2 rows, 28 modules N and PE buses: 17×16 mm ² – 2 pcs. Weight: 2.838 kg	1	MKP54-V-28-30-01
		Flush mounted metal-door box, KMPv 4/42 Item size: 3 rows, 42 modules N and PE buses: 27×16 mm ² – 2 pcs. Weight: 3.6 kg	1	MKP54-V-42-30-01
		Flush mounted metal-door box, KMPv 4/56 Item size: 4 rows, 56 modules N and PE buses: 27×16 mm ² – 2 pcs. Weight: 4.6 kg	1	MKP54-V-56-30-01



Modular plastic cases SCHR(V)-P, IP40

To be used on private premises or in offices and designed for installation of modular equipment, e.g. modular circuit breakers, residual-current devices, differential breakers, timers, lighting control units, etc. Reliable up-to-date design and solid plastic material ensure long service life and safe usage.



Advantages

- Made of shock-proof self-extinguishing ABS resin
- Easy and quick mounting – fixing holes
- Easy and quick mounting – pre-stamped cable inlets on each side
- Universal fixing screws for any type of screwdriver
- Fix connector for N and PE busbar made of self-extinguishing plastic (900°C)
- Enlarged space between DIN rail & box rear panel

Technical features

Mounting	surface, flush
Protection degree	IP40
IP Class	II
Body material	ABS plastic
Door material	polystyrol
Color	RAL 9016
Rows	1 ÷ 3
Ways	4 ÷ 36
Rated voltage, V	up to 400
Rated frequency, Hz	50
Rated current I _n , A	63
Ambient temperature	-20 ÷ +80
Impact resistance	IK05 (0.7 J)



Advantages



Easy cable lead-in through prestamped inlets in both rear and side panels.



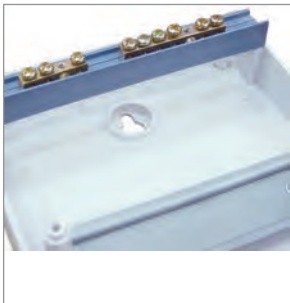
Vertical box positioning ensures easy mounting and extra air circulation.



No need to write on the breakers. Special marking tape is included.



Single unit package ensures mechanical disturbance protection and contains information about IEK® products advantages.



Customized panel for N and PE buses adjustment. Buses are easily removed to be adjusted on the opposite side. High safety level: conductive parts are protected from premeditated contact. Self-extinguishing at 960°C.



Complete set for easy and quick mounting.

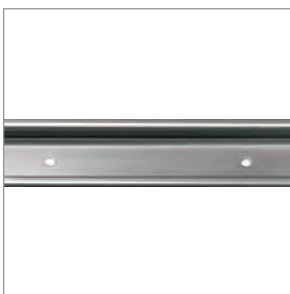


Fixing points and distance markers allow precise alignment and safe mounting on the wall.



All-around anodized screws are corrosion protected and fit to any type of screwdriver.

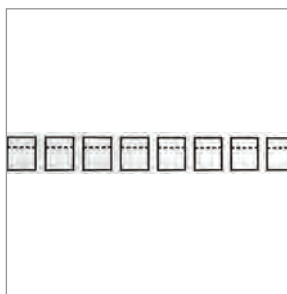
Complete set



DIN rail



Carrier with N and PE buses



Marking tape


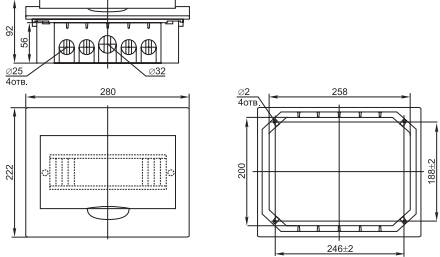

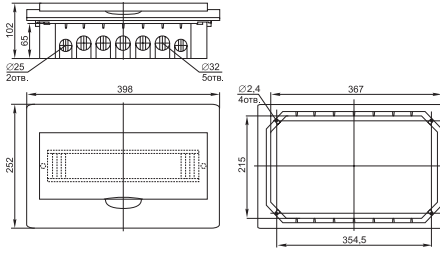

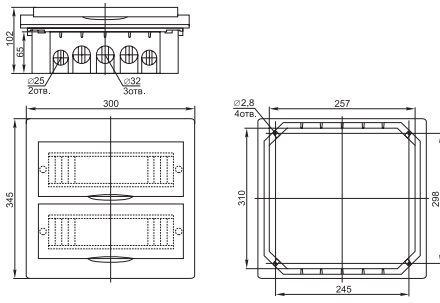

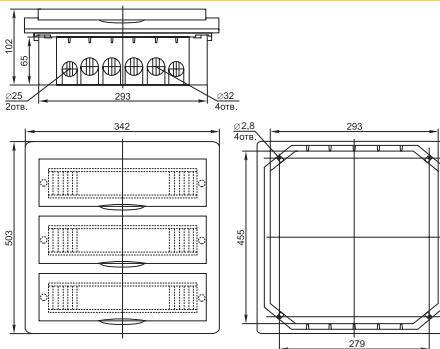


Screws, plastic dowels and plugs

Range

	Overall and installation dimensions	Name	PCS/PACKAGE	Article
		Surface mounted case, SCHR-N-P-4 Item size: 1 row, 4 modules N and PE buses: 4×10 mm ² Weight: 0.32 kg	20	MKP12-N-04-40-20
		Surface mounted case, SCHR-N-P-6 Item size: 1 row, 6 modules N and PE buses: 6×10 mm ² Weight: 0.43 kg	20	MKP12-N-06-40-20
		Surface mounted case, SCHR-N-P-8 Item size: 1 row, 8 modules N and PE buses: 8×10 mm ² Weight: 0.49 kg	20	MKP12-N-08-40-20
		Surface mounted case, SCHR-N-P-12 Item size: 1 row, 12 modules N and PE buses: 4×10 mm ² , 8×10 mm ² Weight: 0.65 kg	10	MKP12-N-12-40-10
		Surface mounted case, SCHR-N-P-18 Item size: 1 row, 18 modules N and PE buses: 3×10 mm ² , 8×10 mm ² – 2 pcs. Weight: 0.93 kg	10	MKP12-N-18-40-10



Overall and installation dimensions	Name	PCS/PACKAGE	Article
 	Flush mounted case, SCHR-V-P-12 Item size: 1 row, 12 modules N and PE buses: 4 × 10 mm ² , 8 × 10 mm ² Weight: 0.62 kg	10	MKP12-V-12-40-10
 	Flush mounted case, SCHR-V-P-18 Item size: 1 row, 18 modules N and PE buses: 3 × 10 mm ² , 8 × 10 mm ² – 2 pcs. Weight: 0.96 kg	10	MKP12-V-18-40-10
 	Flush mounted case, SCHR-V-P-24 Item size: 2 rows, 24 modules N and PE buses: 4 × 10 mm ² – 2 pcs. 8 × 10 mm ² – 2 pcs. Weight: 1.11 kg	10	MKP12-V-24-40-10
 	Flush mounted case, SCHR-V-P-36 Item size: 3 rows, 36 modules N and PE buses: 4 × 10 mm ² , 8 × 10 mm ² – 4 pcs. Weight: 1.85 kg	5	MKP12-V-36-40-05



Modular plastic cases KMPn, IP55

Cases may be installed in the premises with high humidity and dust emission level or outdoors. It's an ideal solution for garages, car wash facilities, basements, laboratories, workshops, etc.



Advantages

- Possess high strength level and capable to withstand an impact of 6 J (IK08)
- Self-extinguishing plastic (filament tested at 750°C)
- Enlarged space between DIN rail & box rear panel (20-35 mm)
- Enlarged space between DIN rails (125-130 mm) allows easy mounting and cabling
- Chip out covers for cabling
- Double-sided door installation (left/right)
- Plastic screws for easy mounting
- Unauthorized access protection – sealing and tag-out option
- Stepped fix connector for N and PE busbar

Technical features

Mounting	surface type
Protection degree	IP55
IP Class	II
Body material	ABS resin
Door material	polycarbonate
Color	RAL 9010
Rows	1÷3
Ways	5÷57
Rated voltage, V	up to 400
Rated frequency, Hz	50
Rated current In, A	63
Ambient temperature	-20 ÷ +70
Impact resistance	IK08 (6 J)

Design features



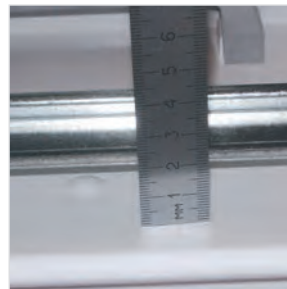
Captive screws for quick 1/4 turn adjustment to improve mounting time.



Auxiliary stepped N and PE buses holder.



Changeable door opening direction for easy operation. The door is unhinged by a slight touch to be installed on the opposite side.



Greater distance between DIN rail and rear cabinet panel (20-35 mm) and between DIN rails (125-130 mm) allows easy mounting and cable installation.



User friendly plastic lock. Plastic lock may be replaced by a metal one, if necessary.



Special spacers and extra glands for sealing.



Tag-out orifices to allow unauthorized contact unit access.

Complete set



DIN rail




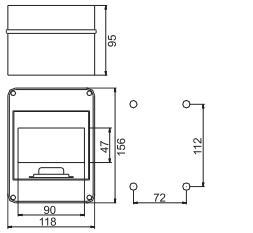

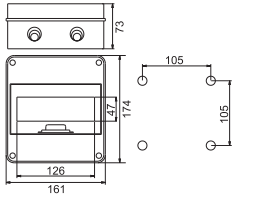

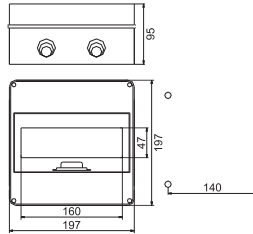

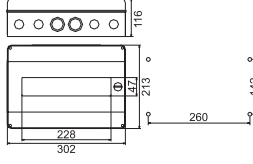

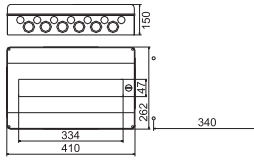
Glands




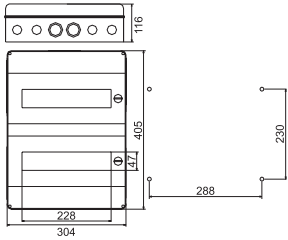

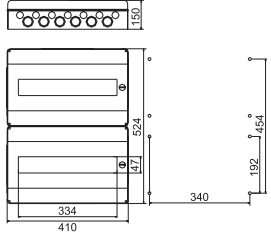

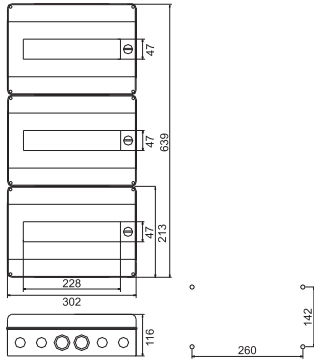

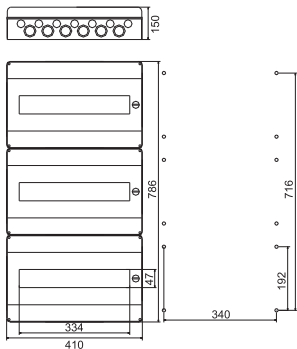
Carrier with N and PE buses



Range

Image	Overall and installation dimensions	Name	PCS/ PACKAGE	Article
		<p>Surface mounted case, KMPn 2/5 IP55 Item size: 1 row, 5 modules N and PE buses: 2×10 mm² Weight: 0.4 kg</p>	50	MKP72-N-05-55
		<p>Surface mounted case, KMPn 2/7 IP55 Item size: 1 row, 7 modules N and PE buses: 2×16 mm² + 5×10 mm² – 2 pcs. Weight: 0.43 kg</p>	32	MKP72-N-07-55
		<p>Surface mounted case, KMPn 2/9 IP55 Item size: 1 row, 9 modules N and PE buses: 2×16 mm² + 7×10 mm² – 2 pcs. Weight: 0.7 kg</p>	24	MKP72-N-09-55
		<p>Surface mounted case, KMPn 2/13 IP55 Item size: 1 row, 13 modules N and PE buses: 2×16 mm² + 12×10 mm² – 2 pcs. Weight: 1.2 kg</p>	12	MKP72-N-13-55
		<p>Surface mounted case, KMPn 2/19 IP55 Item size: 1 row, 19 modules N and PE buses: 2×16 mm² + 18×10 mm² – 2 pcs. Weight: 1.75 kg</p>	6	MKP72-N-19-55



	Overall and installation dimensions	Name	PCS/ PACKAGE	Article
		Surface mounted case, KMPn 2/26 IP55 Item size: 2 rows, 26 modules N and PE buses: $2 \times 16 \text{ mm}^2 + 12 \times 10 \text{ mm}^2 - 4 \text{ pcs.}$ Weight: 2.2 kg	4	MKP72-N-26-55
		Surface mounted case, KMPn 2/38 IP55 Item size: 2 rows, 38 modules N and PE buses: $2 \times 16 \text{ mm}^2 + 18 \times 10 \text{ mm}^2$ Weight: 3.65 kg	1	MKP72-N-38-55
		Surface mounted case, KMPn 2/39 IP55 Item size: 3 rows, 39 modules N and PE buses: $2 \times 16 \text{ mm}^2 + 12 \times 10 \text{ mm}^2 - 6 \text{ pcs.}$ Weight: 3.8 kg	1	MKP72-N-39-55
		Surface mounted case, KMPn 2/57 IP55 Item size: 3 rows, 57 modules N and PE buses: $2 \times 16 \text{ mm}^2 + 18 \times 10 \text{ mm}^2 - 6 \text{ pcs.}$ Weight: 5.55 kg	1	MKP72-N-57-55



Surface mounted Modular plastic cases with the transparent cover KMPn5/16, IP55

Cases suit ideally for mounting in the premises with high humidity and dust emission level, e.g. garages, basements, etc, or outdoors. Also it may be used as a meter cabinet (since it provides an option of counter installation), switchboards (an option of modular equipment/counter installation) or control boards (an option of starter, auxiliary relay and timer installation).



Advantages


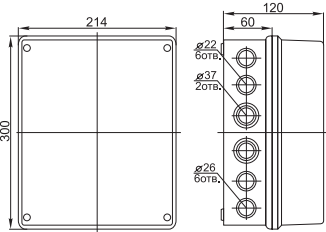
- Self-extinguishing ABS plastic base, impact-proof self-extinguishing polycarbonate cover resistant to mechanical impacts for electrical safety.
- Completed with stepped gland seals and screw hole gaskets for additional case sealing.
- Fitted with fix connectors for busbar & DIN rail.
- Easy cable lead-in through chip out covers.
- Case overall dimensions allow easy installation of different electric equipment and modular devices and provide space for easy and safe maintenance, repair and replacement.
- Vertically or horizontally DIN rails assembling
- Power antitheft & unauthorized contact block access protection – sealing and tag-out option

Technical features

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



Range

	Overall and installation dimensions	Name	PCS/ PACKAGE	Article
		Surface mounted case with the transparent cover, KMPn 5/16 IP55	10	MKP75-N-16-55-10

Complete set



Plugs, glands, screws



Modular plastic cases KMPn, IP66

Advanced body protection allows usage of these cases in the premises with high dust emission and humidity level, e.g. garages, workshops, basements, car wash facilities, storehouses or outdoors. They are designed for installation of modular switchboards, lead-in and distribution of power and over-load current and short circuit protection of 230-400 V electric mains.



Advantages

- High quality polyurethane seal ensures extra moist and dust protection.
- Locking option for unauthorized access protection
- Easy assembling & mounting.
- Captive screws.
- Broad assortment.
- Complete ready-to-assemble set.
- Stylish ergonomic desig.

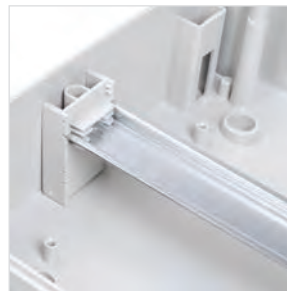
Technical features

Mounting	surface
Protection degree	IP66
IP Class	II
Body material	ABS resin
Door material	polycarbonate
Color	RAL 7035
Rows	1 ÷ 3
Ways	4 ÷ 48
Rated voltage, V	up to 400
Rated frequency, Hz	50
Rated current In, A	100
Ambient temperature	-25 ÷ +85

Design features



Plastic hinges allow easy on-site change of front panel opening direction (right/left).



Greater distance between DIN rail and rear panel. Depth adjustable DIN rail with plastic fixtures.



Triangular-key lock for unauthorized access protection.



Customized fixtures allow installation of detachable N and PE buses holder on the upper or lower side of the cabinet.



Mounting orifices are marked for easy and precise installation on the wall.



Easy and quick installation of spacers through break-open orifices with different diameters on the upper and lower sides of the cabinet.

Complete set



N and PE buses with holder and cover



Door hinges



Triangular-key lock



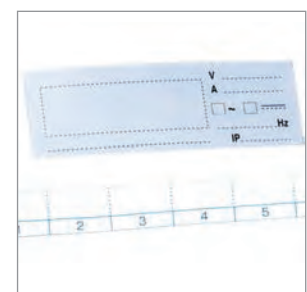
Modular plugs



Orifice plugs



Hard components



Markers



Electric meter box, KS1-IP54

KS1-IP54 boxes are designed for installation of a single-phase meter and modular equipment (load interrupters, automatic circuit breakers and residual-current devices) in a single-phase AC circuits (voltage – 230 V, frequency – 50 Hz). They are intended for use in private, public and production premises with high dust emission and humidity level or outdoor installation (poles max. 320 mm in diameter and pillars).



4

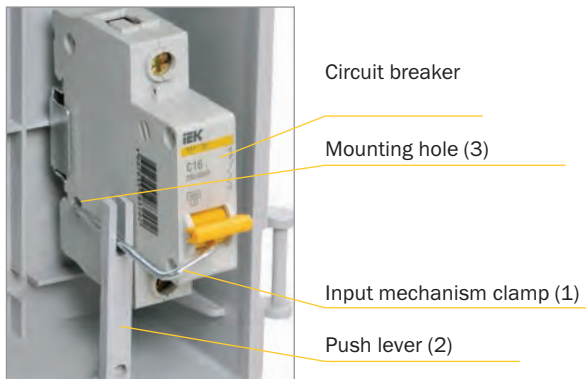
Advantages

- Transparent window provides visual access to meter reading.
- Completed with security screws.
- Suitable for installation of meter on mounting panel or DIN rail.
- Mounting panel is equipped with fixing holes for different meter types.

Technical features

Mounting	surface
Phases	single-phase circuits
IP Class	II
Ambient temperature, °C	-25 ÷ +40
Rated voltage, V	230
Rated frequency, Hz	50
Rated insulating voltage, V	400
Rated current I _n , A	63
Impact resistance, J	10
Protection degree	IP54
Single pole MCB	3
Weight, kg	0.85

Features



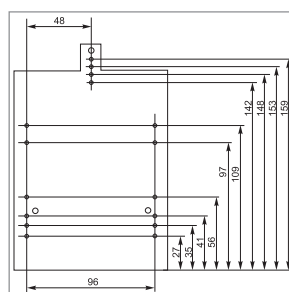
The cabinet is fitted with a push input mechanism that allows automatic switch activation without door opening to provide switch handle operation.

Input mechanism operation mode. Input mechanism consists of a clamp (1) and a push lever (2). The clamp (1) is mounted with a washer and two nuts into the mounting hole (3) according to the scheme. Then the clamp is inserted into the push lever (2) grooves.

Warning! For other switch handle configuration, use a special plastic cover plate (included).



Transparent window provides visual access to meter reading and safety switch status.



The counter is mounted either on DIN rails or a mounting panel. Mounting panel is fitted with orifices for different item sizes:

CE6807B-R, CE6827M1, CE6807B-SH1, CE6807P-SH1, CE6807P-SH6, CE6807P-SH4, CE6807B-SH4, Mercury 201, etc.



Suitable for installation of meter on a mounting panel or DIN rail.

For other counter configurations, use mounting dimensions specified in the scheme.

Complete set



DIN rail and mounting panel



Security screw



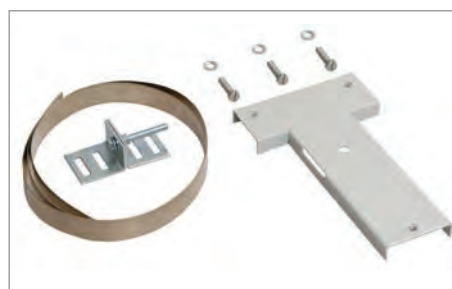
Input mechanism clamp



Switch handle cover plate



Fixtures for wall mounting



Fixtures for pole mounting (optional)



Range

Overall and installation dimensions	Name	PCS/ PACKAGE	Article
	Surface mounted electric meter box, KS1-IP54	12	MSP10-2-54
	Fixtures for installation on pole for the box, KS1-IP54	12	MSP10-2-M

Selection table

Ways	Mounting type	Number of rows				Protection degree				Doors, position, material			Type	Article
		1	2	3	4	IP30	IP40	IP55	IP66	Hor.	Vert.	Hor.		
2	surface (no screws)	•				•							KMPn1/2	MKP31-N-02-30-252
2	surface (screws)	•				•					•		KMPn2/2	MKP42-N-02-30-20
4	surface (no screws)	•				•							KMPn1/4	MKP31-N-02-30-135
4	surface (screws)	•				•		•			•		SCHRn-P-4	MKP12-N-04-40-20
4	surface (screws)	•				•		•			•		KMPn2/4	MKP42-N-04-30-12
4	flush	•				•		•			•		SCHRv-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	•				•		•			•		KMPn2/9	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	•				•		•		•			KMPn2/13	MKP72-N-13-55
14	flush	•				•		•			•		KMPn4/14	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	•				•		•		•			KMPn2/19	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		•			•		•		•			KMPn2/26	MKP72-N-26-55
28	flush		•			•		•			•		KMPv4/28	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		•			•		•		•			KMPn2/38	MKP72-N-38-55
39	surface			•		•		•		•			KMPn2/39	MKP72-N-39-55
42	flush			•		•		•			•		KMPn4/42	MKP54-N-42-30-1
48	surface			•		•		•			•		KMPn-48	MKP73-N-48-66
56	flush			•		•		•			•		KMPn4/56	MKP54-N-56-30-1
57	surface				•	•		•		•			KMPn2/57	MKP72-N-57-55



Modular metal distribution panels

Electric distribution panel cases, SCHRn(v)

Designed for modular switchboards installation, lead-in and distribution of power and overload current and short circuit protection of 230-400 V electric mains.



Advantages

- High corrosion resistance
- High quality coating
- Universal key lock
- Additional accessories
- High adaptability and easy mounting
- Several color available
- High electrical safety
- Quality certificate

Technical features

Mounting	surface, flush
Metal	0.8-1.0 mm
Rated current max., A	100
Coating	powder coating, sharkskin/smooth finish
Color	RAL 7032, RAL 7035, RAL 9016
Protection degree	IP31, IP54 (surface mounting) IP31 (flush mounting)
Door opening angle	105°
Equipment	modular
Climate type	MRC3 (Moderate and rigid climate)



Design features



Zinc-plated rail for N and PE buses.



Multifaceted gutter in IP54 version to protect from dirt and water penetration.

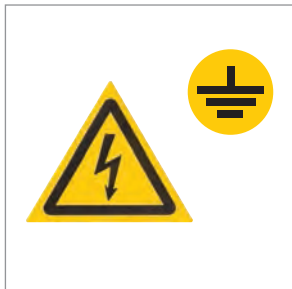


Protection front panel to prevent shock-hazard while operating the product.

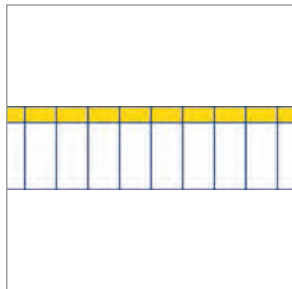


Foam polyurethane gasket in IP54 version.

Complete set



Electrical safety signs

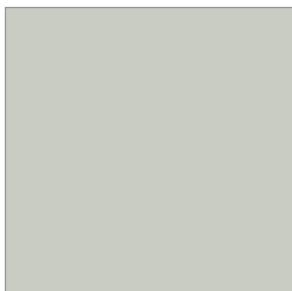


Marking table

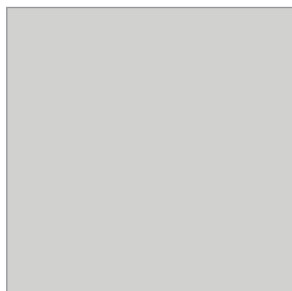


Glands (for IP54 cabinets)

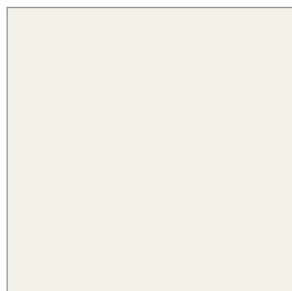
Color



RAL 7032



RAL 7035



RAL 9016



Codes interpretation





SCHRn-9z-1 3 6 MRC3 IP31

- SCHR** – Electric distribution panel
- n** – Surface mounted
- v** – Flush mounted
- 9–72** – Maximal number of modules
- z** – Lock
- 0** – Modification number
 - 0** – with seat angles for N and PE buses mounting
 - 1** – with zinc-plated rail for N and PE buses mounting
- 3** – Coating type
 - 3** – EPR/ sharkskin
 - 5** – EPR/ smooth finish
 - 7** – PPR/ sharkskin
- 6** – Color
 - 4** – RAL 7032
 - 6** – RAL 7035
 - 8** – RAL 9016

MRC3 – Climate type pursuant to GOST 15150

IP31 – Protection degree pursuant to GOST 14254

Range

Flush mounted electric distribution panel (IP31)	Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHRv-12z-1 36 MRC3	12	Body: 275×320×120. Niche: 230×275×125	Lead-ins: 1 hole 140×30 mm (top/bottom)	RAL 7035	MKM14-V-12-30-Z
	SCHRv-12z-1 38 MRC3	12		Weight: 2.5 kg	RAL 9016	MKM13-V-12-30-Z
	SCHRv-18z-1 36 MRC3	18	Body: 275×450×120. Niche: 230×405×125	Lead-ins: 1 hole 140×30 mm (top/bottom)	RAL 7035	MKM14-V-18-30-Z
	SCHRv-18z-1 38 MRC3	18		Weight: 3.6 kg	RAL 9016	MKM13-V-18-30-Z
	SCHRv-24z-1 36 MRC3	24	Body: 405×320×120. Niche: 360×275×125	Lead-ins: 1 hole 140×30 mm (top/bottom)	RAL 7035	MKM14-V-24-30-Z
	SCHRv-24z-1 38 MRC3	24		Weight: 3.5 kg	RAL 9016	MKM13-V-24-30-Z
	SCHRv-36z-1 36 MRC3	36	Body: 550×320×120. Niche: 505×275×125	Lead-ins: 1 hole 140×30 mm (top/bottom)	RAL 7035	MKM14-V-36-30-Z
	SCHRv-36z-1 38 MRC3	36		Weight: 5.2 kg	RAL 9016	MKM13-V-36-30-Z

	Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHRv-48z-1 36 MRC3	48	Body: 630×320×120. Niche: 585×275×125	Lead-ins: 1 hole 140×30 mm (top/bottom) Weight: 6.2 kg	RAL 7035	MKM14-V-48-30-Z
	SCHRv-48z-1 38 MRC3	48			RAL 9016	MKM13-V-48-30-Z
	SCHRv-54z-1 36 MRC3	54	Body: 550×450×120. Niche: 505×405×125	Lead-ins: 1 hole 140×30 mm (top/bottom) Weight: 7.6 kg	RAL 7035	MKM14-V-54-30-Z
	SCHRv-54z-1 38 MRC3	54			RAL 9016	MKM12-V-54-30-Z
	SCHRv-72z-1 36 MRC3	72	Body: 550×610×120. Niche: 505×565×125	Lead-ins: 2 holes 140×30 mm (top/bottom) Weight: 10.3 kg	RAL 7035	MKM14-V-72-30-Z
	SCHRv-72z-1 38 MRC3	72			RAL 9016	MKM12-V-72-30-Z
Щиты распределительные навесные (IP31) 	SCHRn-12z-1 36 MRC3	12	Body: 265×310×120	Lead-ins: 3 holes, Ø31 mm (bottom) Weight: 3.1 kg	RAL 7035	MKM14-N-12-31-Z
	SCHRn-12z-1 38 MRC3	12			RAL 9016	MKM13-N-12-31-Z
	SCHRn-18z-1 36 MRC3	18	Body: 265×440×120	Lead-ins: 3 holes, Ø31 mm (bottom) Weight: 4.1 kg	RAL 7035	MKM14-N-18-31-Z
	SCHRn-18z-1 38 MRC3	18			RAL 9016	MKM13-N-18-31-Z
	SCHRn-24z-1 36 MRC3	24	Body: 395×310×120	Lead-ins: 3 holes, Ø31 mm (bottom) Weight: 4.3 kg	RAL 7035	MKM14-N-24-31-Z
	SCHRn-24z-1 38 MRC3	24			RAL 9016	MKM13-N-24-31-Z
	SCHRn-36z-1 36 MRC3	36	Body: 540×310×120	Lead-ins: 3 holes, Ø31 mm (bottom) Weight: 6.9 kg	RAL 7035	MKM14-N-36-31-Z
	SCHRn-36z-1 38 MRC3	36			RAL 9016	MKM13-N-36-31-Z
	SCHRn-48z-1 36 MRC3	48	Body: 620×310×120	Lead-ins: 3 holes, Ø31 mm (bottom) Weight: 7.6 kg	RAL 7035	MKM14-N-48-31-Z
	SCHRn-48z-1 38 MRC3	48			RAL 9016	MKM13-N-48-31-Z



	Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHRn-54z-1 36 MRC3	54	Body : 540×440×120	Lead-ins: 5 holes, Ø31 mm (bottom) Weight: 9.2 kg	RAL 7035	MKM14-N-54-31-Z
	SCHRn-54z-1 38 MRC3	54			RAL 9016	MKM12-N-54-31-Z
	SCHRn-72z-1 36 MRC3	72	Body : 540×600×120	Lead-ins: 6 holes, Ø31 mm (bottom) Weight: 12.2 kg	RAL 7035	MKM14-N-72-31-Z
	SCHRn-72z-1 38 MRC3	72			RAL 9016	MKM12-N-72-31-Z
Surface mounted electric distribution panels (IP54) 	SCHRn-12z-0 74 U2	12	Body : 240×330×120	Lead-ins: 5 holes, Ø20 mm (bottom) Weight: 3.6 kg	RAL 7032	MKM11-N-12-54-Z
	SCHRn-24z-0 74 U2	24	Body : 410×330×120	Lead-ins: 5 holes, Ø20 mm (bottom) Weight: 5.4 kg	RAL 7032	MKM11-N-24-54-Z
	SCHRn-36z-0 74 U2	36	Body : 540×330×120	Lead-ins: 5 holes, Ø20 mm (bottom) Weight: 6.7 kg	RAL 7032	MKM11-N-36-54-Z
	SCHRn-48z-0 74 U2	48	Body : 670×330×120	Lead-ins: 5 holes, Ø20 mm (bottom) Weight: 8.0 kg	RAL 7032	MKM11-N-48-54-Z



Electric distribution panel and counter cases, SCHURn(v)

Designed for modular switchboards and counters installation, lead-in, accounting and distribution of power and overload current and short circuit protection of 230-400 V electric mains.



Advantages

- High corrosion resistance
- High quality coating
- Universal key lock
- Additional accessories
- High adaptability and easy mounting
- Several color available
- High electrical safety
- Quality certificate

Technical features

Mounting	surface, flush
Metal	0.8–1.0 mm
Rated current max., A	100
Coating	powder, sharkskin/smooth finish
Color	RAL 7035, RAL 9016, RAL 7032
Protection degree	IP31, IP54 (surface mounting) IP31 (flush mounting)
Door opening angle	105°
Equipment	modular
Climate type	MRC3 (Moderate and rigid climate), U2 for IP54

Design features



Two-part protection front panel to prevent shock-hazard while operating the product that allows input mechanism sealing free from any restrictions to contact unit access.



Multifaceted gutter in IP54 version to protect from dirt and water penetration.



Multipurpose counter mounting panel that allows installation of any type of single-phase or three-phase counters with no auxiliary adapters.



Foam polyurethane gasket in IP54 version.

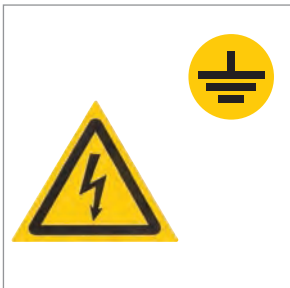


Information screen to provide easy access to counter readings.

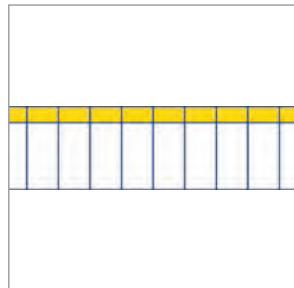


Mounting rail for N and PE buses installation (white polish).

Complete set



Electrical safety signs

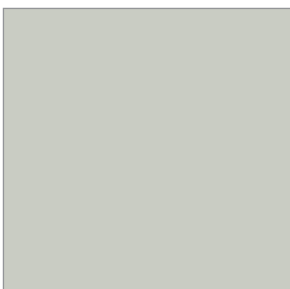


Marking table

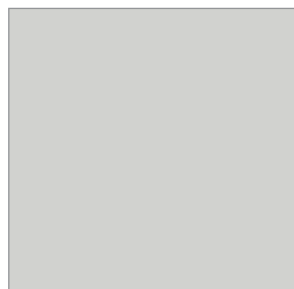


Glands (for IP54 cabinets)

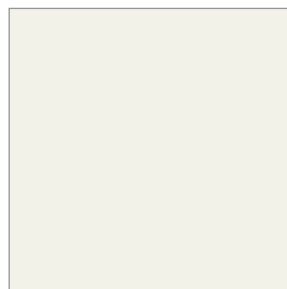
Color



RAL 7032



RAL 7035



RAL 9016, RAL 9010

Codes interpretation

SCHURn-3/12zo-1 36 MRC3 IP31

SCHUR – Electrical distribution and counter panel

n – Surface mounted

v – Flush mounted

1,3 – Counter type (1-phase/3-phase)

12–48 – Maximal number of modules

z – Lock

o – Screen

1 – Modification number

0 – integral operational panel for IP31 or two-part operational panel for IP54

1 – two-part operational panel for IP31 or integral operational panel for IP54


3 – Coating type

3 – EPR/sharkskin

5 – EPR/smooth finish

7 – PPR/sharkskin

6 – Color code

4 – RAL 7032 

6 – RAL 7035 

8 – RAL 9016 

MRC3, U2 – Climate type

IP31 – Protection degree

IP54 – Protection degree

Range

Flush mounted electric distribution and counter panel (IP31)



Item-size	Type	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
SCHURv-1/9zo-1 36 MRC3	1	9	Body: 490×330×145.	Lead-ins: 1 hole	RAL 7035	MKM24-V-09-31-Z0
SCHURv-1/9zo-1 38 MRC3	1	9	Niche: 445×285×150	140×30 mm (top/bottom)	RAL 9016	MKM25-V-09-31-Z0

Weight: 4.5 kg



SCHURv-3/9zo-1 36 MRC3	3	9	Body: 580×330×165.	Lead-ins: 1 hole	RAL 7035	MKM34-V-09-31-Z0
SCHURv-3/9zo-1 38 MRC3	3	9	Niche: 535×285×170	140×30 mm (top/bottom)	RAL 9016	MKM33-V-09-31-Z0

Weight: 5.4 kg




SCHURv-1/12zo-1 36 MRC3	1	12	Body: 480×320×165.	Lead-ins: 1 hole	RAL 7035	MKM25-V-12-31-Z0
SCHURv-1/12zo-1 38 MRC3	1	12	Niche: 435×275×170	140×30 mm (top/bottom)	RAL 9016	MKM23-V-12-31-Z0


Weight: 4.6 kg




Item-size	Type	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article	
	SCHURv-3/12zo-1 36 MRC3	3	12	Body : 550×320×165.	Lead-ins: 1 hole	RAL 7035	MKM35-V-12-31-Z0
	SCHURv-3/12zo-1 38 MRC3	3	12	Niche: 505×275×170	140×30 mm (top/bottom)	RAL 9016	MKM33-V-12-31-Z0
				Weight: 5.3 kg			
	SCHURv-1/15zo-1 36 MRC3	1	15	Body : 490×490×145.	Lead-ins: 2 holes	RAL 7035	MKM24-V-15-31-Z0
	SCHURv-1/15zo-1 38 MRC3	1	15	Niche: 445×445×150	140×30 mm (top/bottom)	RAL 9016	MKM23-V-15-31-Z0
				Weight: 6.6 kg			
	SCHURv-3/18zo-1 36 MRC3	3	18	Body : 580×490×165.	Lead-ins: 2 holes	RAL 7035	MKM34-V-18-31-Z0
	SCHURv-3/18zo-1 38 MRC3	3	18	Niche: 535×445×170	140×30 mm (top/bottom)	RAL 9016	MKM33-V-18-31-Z0
				Weight: 8.1 kg			
	SCHURv-3/24zo-1 36 MRC3	3	24	Body : 580×520×165.	Lead-ins: 2 holes	RAL 7035	MKM34-V-24-31-Z0
	SCHURv-3/24zo-1 38 MRC3	3	24	Niche: 535×475×170	140×30 mm (top/bottom)	RAL 9016	MKM33-V-24-31-Z0
				Weight: 8.5 kg			
	SCHURv-3/30zo-1 36 MRC3	3	30	Body : 550×500×165.	Lead-ins: 2 holes	RAL 7035	MKM35-V-30-31-1-Z0
	SCHURv-3/30zo-1 38 MRC3	3	30	Niche: 505×455×170	230×30 mm (top/bottom)	RAL 9016	MKM33-V-30-31-Z0
				Weight: 8.4 kg			
	SCHURv-3/36zo-1 36 MRC3	3	36	Body : 580×600×165.	Lead-ins: 2 holes	RAL 7035	MKM34-V-36-31-Z0
	SCHURv-3/36zo-1 38 MRC3	3	36	Niche: 535×555×170	140×30 mm (top/bottom)	RAL 9016	MKM33-V-36-31-Z0
				Weight: 9.6 kg			





Item-size	Type	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article	
	SCHURv-3/42zo-1 36 MRC3	3	42	Body: 580×655×165.	Lead-ins: 2 holes 140×30 mm	RAL 7035	MKM34-V-42-31-ZO
	SCHURv-3/42zo-1 38 MRC3	3	42	Niche: 535×610×170	(top/bottom) Weight: 10.3 kg	RAL 9016	MKM33-V-42-31-ZO


	SCHURv-3/48zo-1 36 MRC3	3	48	Body: 550×610×165.	Lead-ins: 1 hole	RAL 7035	MKM35-V-48-31-ZO
	SCHURv-3/48zo-1 38 MRC3	3	48	Niche: 505×565×170	210×30 mm (top/bottom) Weight: 10.0 kg	RAL 9016	MKM33-V-48-31-ZO

Surface mounted electric distribution and counter panel (IP31)

	SCHURn-1/93o-1 36 MRC3	1	9	Body: 470×260×145	Lead-ins: 3 holes	RAL 7035	MKM22-N-09-31-ZO
	SCHURn-1/93o-1 38 MRC3	1	9		Ø28 mm (bottom) Weight: 4.3 kg	RAL9016	MKM24-N-09-31-ZO

	SCHURn-3/93o-1 36 MRC3	3	9	Body: 540×290×165	Lead-ins: 3 holes	RAL 7035	MKM32-N-09-31-ZO
	SCHURn-3/93o-1 38 MRC3	3	9		Ø28 mm (bottom) Weight: 5.5 kg	RAL9016	MKM34-N-09-31-ZO

	SCHURn-1/123o-1 36 MRC3	1	12	Body: 395×310×165	Lead-ins: 3 holes	RAL 7035	MKM25-N-12-31-ZO
	SCHURn-1/123o-1 38 MRC3	1	12		Ø28 mm (bottom)	RAL 9016	MKM23-N-12-31-ZO
	SCHURn-1/123o-1 58 MRC3*	1	12			RAL 9010	MKM1-N-12-31-58-ZO

	SCHURn-3/123o-1 36 MRC3	3	12	Body: 540×310×165	Lead-ins: 3 holes	RAL 7035	MKM35-N-12-31-ZO
	SCHURn-3/123o-1 38 MRC3	3	12		Ø28 mm (bottom)	RAL 9016	MKM33-N-12-31-ZO
	SCHURn-3/123o-1 58 MRC3*	3	12			RAL 9010	MKM3-N-12-31-58-ZO

* These items are standard for custom design.



	Item-size	Type	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHURn-1/15zo-1 36 MRC3	1	15	Body: 470×400×145	Lead-ins: 5 holes Ø28 mm (bottom)	RAL 7035	MKM22-N-15-31-ZO
	SCHURn-1/15zo-1 38 MRC3	1	15			RAL 9016	MKM23-N-15-31-ZO
					Weight: 6.3 kg		
	SCHURn-3/18zo-1 36 MRC3	3	18	Body: 560×440×165	Lead-ins: 6 holes Ø28 mm (bottom)	RAL 7035	MKM32-N-18-31-ZO
	SCHURn-3/18zo-1 38 MRC3	3	18			RAL 9016	MKM34-N-18-31-ZO
					Weight: 8.3 kg		
	SCHURn-3/24zo-1 36 MRC3	3	24	Body: 560×480×165	Lead-ins: 6 holes Ø28 mm (bottom)	RAL 7035	MKM32-N-24-31-ZO
	SCHURn-3/24zo-1 38 MRC3	3	24			RAL 9016	MKM34-N-24-31-ZO
	SCHURn-3/24zo-1 58 MRC3*	3	24			RAL 9010	MKM3-N-24-31-58-ZO
	SCHURn-1/24zo-1 58 MRC3*	1	24			Weight: 10.4 kg	RAL 9010
	SCHURn-3/30zo-1 36 MRC3	3	30	Body: 540×490×165	Lead-ins: 5 holes Ø28 mm (bottom)	RAL 7035	MKM35-N-30-1-31-ZO
	SCHURn-3/30zo-1 38 MRC3	3	30			RAL 9016	MKM35-N-30-31-ZO
					Weight: 9.4 kg		
	SCHURn-3/30zo/1-1 36 MRC3	3	30	Body: 540×440×165	Lead-ins: 6 holes Ø31 mm (bottom)	RAL 7035	MKM35-N-30/1-1-31-ZO
	SCHURn-3/30z/1-1 36 MRC3	3	30			RAL 7035	MKM35-N-30/1-1-31-Z
					Weight: 9.7 kg		
	SCHURn-3/36zo-1 36 MRC3	3	36	Body: 560×550×165	Lead-ins: 6 holes Ø28 mm (bottom)	RAL 7035	MKM32-N-36-31-ZO
	SCHURn-3/36zo-1 38 MRC3	3	36			RAL 9016	MKM33-N-36-31-ZO
	-3/36zo-1 58 MRC3*					RAL 9010	MKM3-N-36-31-58-ZO
					Weight: 11.5 kg		

* These items are standard for custom design.

	Item-size	Type	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHURn-3/42zo-1 36 MRC3	3	42	Body: 560×600×165	Lead-ins: 6 holes Ø28 mm (bottom)	RAL 7035	MKM32-N-42-31-Z0
	SCHURn-3/42zo-1 38 MRC3	3	42			Weight: 12.7 kg	RAL 9016
	SCHURn-3/48zo-1 36 MRC3	3	48	Body: 540×600×165	Lead-ins: 6 holes Ø28 mm (bottom)	RAL 7035	MKM35-N-48-31-Z0
	SCHURn-3/48zo-1 38 MRC3	3	48			RAL 9016	MKM33-N-48-31-Z0
	SCHURn-3/48zo-1 58 MRC3*	3	48			RAL 9010	MKM3-N-48-31-58-Z0
					Weight: 11.1 kg		
Щиты учетно-распределительные навесные (IP54) 	SCHURn-1/12z-0 74 U2 IP54	1	12	Body: 395×310×165	Lead-ins: 3 holes Ø28 mm (bottom)	RAL 7032	MKM22-N-12-54-Z
							Weight: 5.4 kg
	SCHURn-3/12z-0 74 U2 IP54	3	12	Body: 540×310×165	Lead-ins: 3 holes Ø28 mm (bottom)	RAL 7032	MKM32-N-12-54-Z
							Weight: 7.1 kg

* These items are standard for custom design.



Lead-in Electric distribution panel and counter cases, SCHU

Designed for modular lead-in and power counters installation on private and production premises.



4

Advantages

- High corrosion resistance.
- High quality coating.
- Compact design.
- High adaptability and easy mounting.
- Easy installation.
- High electrical safety.
- Quality certificate.
- Outdoor mounting.

Technical features

Mounting	surface
Metal	1.0 mm
Rated current, A	50
Coating	powder, sharkskin
Color	RAL 7032
Protection degree	IP54
Door opening angle	120°
Equipment	modular
Climate type	U1



Design features



Allows separate installation of VA47-29 protection device and VN-32 power cutoff switch and OPS1 surge suppressor.



Closed front panel sealing.



Front panel to cover power counter and electrical components. Panel is hinged to the case and locked with a single key.



Supplementary shield to prevent dirt and water penetration.



Front panel has a screen for taking counter readings and a cut for protection switch access.



Foam polyurethane gasket.

Complete set



Electrical safety signs



Glands



Codes interpretation

SCHU-1/1-0 74 U1 IP54

- SCHU** – Counter panel
- 1, 3** – Counter type (single-phase/three-phase)
- 1** – Number of counters
- 0** – Modification number
 - 0** – without operational panel
 - 1** – with door-type operational panel
- 7** – Coating type
 - 7** – PPR/sharkskin
- 4** – Color
 - 4** – RAL 7032
- Y1** – Climate type
- IP54** – Protection degree

Range

	Item-size	Type	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHU 1/1-0 74 U1 IP54	1	2	310×300×150	Lead-ins: 2 holes Ø28 mm (bottom) Weight: 3.9 kg	RAL 7032	MKM51-N-01-54
	SCHU 1/2-0 74 U1 IP54	1	2	310×420×150	Lead-ins: 2 holes Ø28 mm (bottom) Weight: 5.3 kg	RAL 7032	MKM51-N-02-54
	SCHU 3/1-0 74 U1 IP54	3	3	395×310×150	Lead-ins: 3 holes Ø28 mm (bottom) Weight: 5.0 kg	RAL 7032	MKM51-N-03-54
	SCHU 1/1-1 74 U1 IP54	1	6 (4 и 2)	310×300×150	Lead-ins: 2 holes Ø28 mm (bottom) Weight: 5.3 kg	RAL 7032	MKM51-N-04-54
	SCHU 3/1-1 74 U1 IP54	3	12 (4 no 3)	445×400×150	Lead-ins: 2 holes Ø28 mm (bottom) Weight: 8.7 kg	RAL 7032	MKM51-N-09-54



Modular distribution (SCHRn) and counter cases (SCHURn), LIGHT series

LIGHT series cabinets are designed for modular switchboards installation, lead-in and distribution of power (SCHRn) and power accounting (SCHURn) as well as overload current and short circuit protection of 230-400 V electric mains.



Advantages

- Stylish ergonomic design.
- Rigid and light construction.
- Self-extinguishing impact-resistant plastic cover.
- Detachable DIN rail.
- Zinc-plated rail for N and PE buses (in certain models).
- Intake ports on top and bottom sides.
- Greater distance (up to 25 mm) between rear panel and DIN rails for easy cable installation.
- Allows installation of electrical units (EU sockets, key-switches, etc.).
- Allows installation of a single-phase electric meter on DIN rail.
- Easy and quick mounting.
- Allows sealing.
- High corrosion resistance.

Technical features

Mounting	surface
Metal	0.8 mm
Rated current, A	100
Coating	powder sharkskin, moirř
Color	RAL 7035, RAL 9010, RAL 9005
Protection degree	IP31
Climate type	U3
Electric meter type	single-phase on DIN rail
Equipment	modular
Cable lead-in	top and bottom



Design features



Detachable body consists of a base and a front panel.



Extra stiffeners.



Ground unit in the lower right for outer and inner conductor connection.



Allows installation of N and PE buses on a zinc-plated rail (in particular models).



Customized ports for wall mounting.



“R” models have 3 pockets for flush mount EU sockets or key-switchers installation in a triple frame.

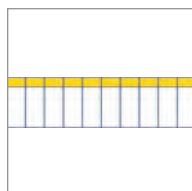


Greater DIN rail placement interval (up to 127 mm/5").

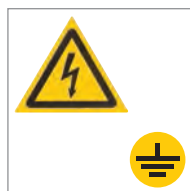
Complete set



Glands



Marking table



Electrical safety signs

Color



RAL 7035



RAL 9010






RAL 9005






Codes interpretation

SCHRn-12r-1 36 IP31 LIGHT

- SCHR** – modular distribution case
- n** – surface mounted
- 12–48** – maximal number of modules
- r** – pockets for mount sockets, key-switchers, etc. installation
- 1** – modification number
- 3** – coating type
 - 3** – EPR/sharkskin
 - 4** – EPR/moire
- 6** – color
 - 6** – RAL 7035 
 - 8** – RAL 9010 
 - 1** – RAL 9005 
- IP31** – protection degree
- LIGHT** – series name

SCHURn-1/12r-1 36 IP31 LIGHT

- SCHUR** – electric distribution and counter panel
- n** – surface mounted
- 1** – counter type – single-phase
- 12–36** – maximal number of modules
- r** – pockets for mount sockets, key-switchers, etc. installation
- 1** – modification number
- 3** – coating type
 - 3** – EPR/sharkskin
 - 4** – EPR/moire
- 6** – color
 - 6** – RAL 7035 
 - 8** – RAL 9010 
 - 1** – RAL 9005 
- IP31** – protection degree
- LIGHT** – series name



Range

Surface mounted electric distribution panel

	Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHRn-24-1 36 LIGHT	24	271×300×109	Lead-ins: 3 holes Ø28 mm (top/bottom)	RAL7035	MKM14-N-24-30-Z-L
	SCHRn-24-1 38 LIGHT				RAL9010	MKM13-N-24-30-Z-L
	SCHRn-24-1 41 LIGHT				RAL9005	MKM12-N-24-30-Z-L
	SCHRn-36-1 36 LIGHT	36	398×300×109	Lead-ins: 3 holes Ø28 mm (top/bottom)	RAL7035	MKM14-N-36-30-Z-L
	SCHRn-36-1 38 LIGHT				RAL9010	MKM13-N-36-30-Z-L
	SCHRn-36-1 41 LIGHT				RAL9005	MKM12-N-36-30-Z-L
	SCHRn-48-1 36 LIGHT	48	525×300×109	Lead-ins: 3 holes Ø28 mm (top/bottom)	RAL7035	MKM14-N-48-30-Z-L
	SCHRn-48-1 38 LIGHT				RAL9010	MKM13-N-48-30-Z-L
	SCHRn-48-1 41 LIGHT				RAL9005	MKM12-N-48-30-Z-L
	SCHRn-12r-1 36 LIGHT	12	271×300×109	Lead-ins: 3 holes Ø28 mm (top/bottom)	RAL7035	MKM14-N-12-30-Z-R-L
	SCHRn-12r-1 38 LIGHT				RAL9010	MKM13-N-12-30-Z-R-L
	SCHRn-12r-1 41 LIGHT				RAL9005	MKM12-N-12-30-Z-R-L
	SCHRn-24r-1 36 LIGHT	24	398×300×109	Lead-ins: 3 holes Ø28 mm (top/bottom)	RAL7035	MKM14-N-24-30-Z-R-L
	SCHRn-24r-1 38 LIGHT				RAL9010	MKM13-N-24-30-Z-R-L
	SCHRn-24r-1 41 LIGHT				RAL9005	MKM12-N-24-30-Z-R-L
	SCHRn-36r-1 36 LIGHT	36	525×300×109	Lead-ins: 3 holes Ø28 mm (top/bottom)	RAL7035	MKM14-N-36-30-Z-R-L
	SCHRn-36r-1 38 LIGHT				RAL9010	MKM13-N-36-30-Z-R-L
	SCHRn-36r-1 41 LIGHT				RAL9005	MKM12-N-36-30-Z-R-L


Surface mounted electric distribution and counter panel

	Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHURn-1/12-1 36 LIGHT	12	300×300×109	Lead-ins: 2 holes Ø28 mm (top) and 3 holes Ø28 mm (bottom)	RAL7035	MKM21-N-12-30-O-L
	SCHURn-1/12-1 38 LIGHT				RAL9010	MKM22-N-12-30-O-L
	SCHURn-1/12-1 41 LIGHT				RAL9005	MKM23-N-12-30-O-L
	SCHURn-1/24-1 36 LIGHT	24	427×300×109	Lead-ins: 2 holes Ø28 mm (top) and 3 holes Ø28 mm (bottom)	RAL7035	MKM21-N-24-30-O-L
	SCHURn-1/24-1 38 LIGHT				RAL9010	MKM22-N-24-30-O-L
	SCHURn-1/24-1 41 LIGHT				RAL9005	MKM23-N-24-30-O-L
	SCHURn-1/36-1 36 LIGHT	36	554×300×109	Lead-ins: 4 holes Ø28 mm (top) and 5 holes Ø28 mm (bottom)	RAL7035	MKM21-N-36-30-O-L
	SCHURn-1/36-1 38 LIGHT				RAL9010	MKM22-N-36-30-O-L
	SCHURn-1/36-1 41 LIGHT				RAL9005	MKM23-N-36-30-O-L
	SCHURn-1/12p-1 36 LIGHT	12	427×300×109	Lead-ins: 2 holes Ø28 mm (top) and 3 holes Ø28 mm (bottom)	RAL7035	MKM21-N-12-30-O-R-L
	SCHURn-1/12p-1 38 LIGHT				RAL9010	MKM22-N-12-30-O-R-L
	SCHURn-1/12p-1 41 LIGHT				RAL9005	MKM23-N-12-30-O-R-L
	SCHURn-1/24p-1 36 LIGHT	24	554×300×109	Lead-ins: 4 holes Ø28 mm (top) and 5 holes Ø28 mm (bottom)	RAL7035	MKM21-N-24-30-O-R-L
	SCHURn-1/24p-1 38 LIGHT				RAL9010	MKM22-N-24-30-O-R-L
	SCHURn-1/24p-1 41 LIGHT				RAL9005	MKM23-N-24-30-O-R-L



Modular distribution cases (SCHRn and SCHRv), UNIVERSAL series

SPECIALTY

UNIVERSAL distribution cases SCHRn and SCHRv are designed for assembly of modular electric distribution panels, lead-in and distribution of power as well as overload current and short circuit protection of 230-400 V electric mains.



4

Advantages

- Stylish ergonomic design.
- Removable mounting frame allows easy and quick installation.
- Completed set.
- User friendly N and PE buses positioning.
- Intake ports on top and bottom sides, multifunctional cable lead-ins.
- Enlarged space between DIN rail & box rear panel for easy cable mounting.
- Allows sealing.
- Rigid light construction.
- Unified model range.
- High electrical safety.

Technical features

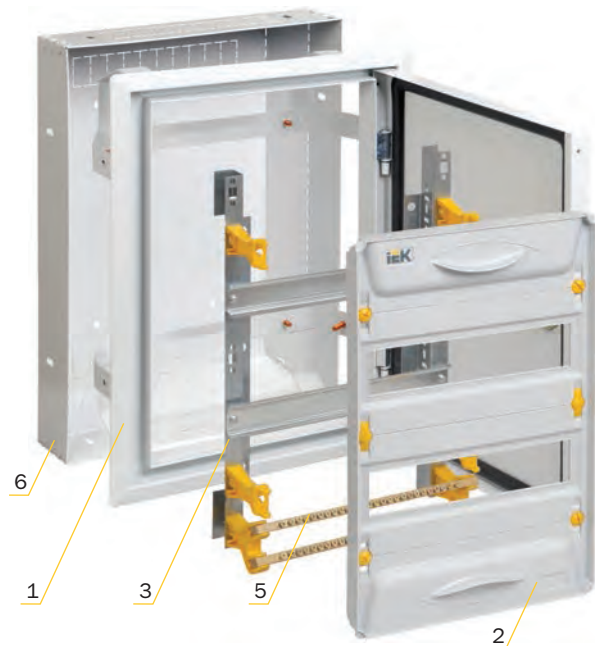
Installation	surface, flush
Metal	0.8 mm
Rated current, A	63-125
Coating	powder sharkskin, sharkskin, moirï
Color	RAL 7032, RAL 7035, RAL 9005, RAL 9010
Protection degree	IP54 (for surface mounting) IP31 (for flush mounting)
Climate type	U3
Electric meter type	single-phase on DIN rail
Equipment	modular
Cable lead-in	top and bottom

Design features

SCHRn



SCHRv



- 1 – Housing
- 2 – Operational panel and plastic elements
- 3 – Mounting frame
- 4 – Cable input glands
- 5 – N and PE buses
- 6 – Protection cover



Protection panel prevents shock hazard while operating the product.



N and PE buses are hooked into rack holders installed by hooks in the mounting frame holes. Such layout of buses allows more accessible cables input.



Foam polyurethane gasket for IP54 model.



Flush mounted cabinets allow installation of perforated protection cover to ensure easier cabinet mounting in the niche.



Complete set



Mounting frame



Operational panel with plastic elements



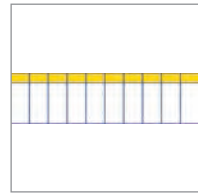
Cable glands – 2 pcs.



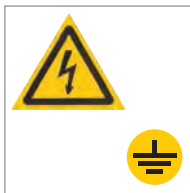
N and PE buses



Plug



Marking table

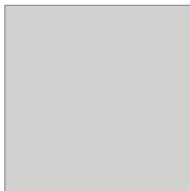


Electrical safety signs

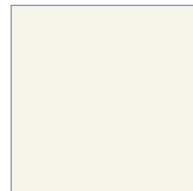


Grounding/Mounting kit

Color



RAL 7035



RAL 9010



RAL 9005



RAL 7032

Codes interpretation

SCHRn-24z-1 74 IP54 UNIVERSAL

- SCHR** – electric distribution case
- n** – surface mounted
- 24** – nominal number of modules to be installed: 24, 36, 48, 2×24, 2×36, 2×48
- z** – lock
- 1** – modification number
- 74** – type, color*, coating structure:
 - 74** – PPR/sharkskin
- IP54** – protection degree
- UNIVERSAL** – series name

SCHRv-24zk-1 36 IP31 UNIVERSAL

- SCHR** – electric distribution case
- v** – flush mounted
- 24** – nominal number of modules to be installed: 24, 36, 48, 2×24, 2×36, 2×48
- z** – lock
- k** – protection cover
- 1** – modification number
- 36** – type, color*, coating 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 is possible.

Range

Flush mounted distribution cases



Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
SCHRv-24z-1 36 IP31 UNIVERSAL	24	Body: 480×352×138. Niche: 455×330×135	Holes location: top, bottom, at 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. Niche: 580×330×135	Holes location: top, bottom, at rear Weight: 4.92 kg	RAL7035	MKM12-V-36-31-Z-U
SCHRv-36z-1 38 IP31 UNIVERSAL	36			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. Niche: 705×330×135	Holes location: top, bottom, at rear Weight: 5.86 kg	RAL7035	MKM12-V-48-31-Z-U
SCHRv-48z-1 38 IP31 UNIVERSAL	48			RAL9010	MKM13-V-48-31-Z-U
SCHRv-48z-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-48-31-Z-U



SCHRv-2×24z-1 36 IP31 UNIVERSAL	48	Body: 480×662×138. Niche: 455×640×135	Holes location: top, bottom, at rear Weight: 7.83 kg	RAL7035	MKM12-V-2x24-31-Z-U
SCHRv-2×24z-1 38 IP31 UNIVERSAL	48			RAL9010	MKM13-V-2x24-31-Z-U
SCHRv-2×24z-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-2x24-31-Z-U





SCHRv-2×36z-1 36 IP31 UNIVERSAL	72	Body: 605×662×138. Niche: 580×640×135	Holes location: top, bottom, at rear Weight: 9.22 kg	RAL7035	MKM12-V-2x36-31-Z-U
SCHRv-2×36z-1 38 IP31 UNIVERSAL	72			RAL9010	MKM13-V-2x36-31-Z-U
SCHRv-2×36z-1 41 IP31 UNIVERSAL	72			RAL9005	MKM11-V-2x36-31-Z-U



SCHRv-2×48z-1 36 IP31 UNIVERSAL	96	Body: 730×662×138. Niche: 705×640×135	Holes location: top, bottom, at rear Weight: 11.04 kg	RAL7035	MKM12-V-2x48-31-Z-U
SCHRv-2×48z-1 38 IP31 UNIVERSAL	96			RAL9010	MKM13-V-2x48-31-Z-U
SCHRv-2×48z-1 41 IP31 UNIVERSAL	96			RAL9005	MKM11-V-2x48-31-Z-U



	Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
	SCHRv-24zk-1 36 IP31 UNIVERSAL	24	Body: 480×352×138. Niche: 455×330×135	Расположение отверстий: сверху, снизу, сзади. Weight: 5,42 kg	RAL7035	MKM12-V-24-31-ZK-U
	SCHRv-24zk-1 38 IP31 UNIVERSAL	24			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. Niche: 580×330×135	Holes location: top, bottom, at rear Weight: 6,45 kg	RAL7035	MKM12-V-36-31-ZK-U
	SCHRv-36zk-1 38 IP31 UNIVERSAL	36			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. Niche: 705×330×135	Holes location: top, bottom, at rear Weight: 7,66 kg	RAL7035	MKM12-V-48-31-ZK-U
	SCHRv-48zk-1 38 IP31 UNIVERSAL	48			RAL9010	MKM13-V-48-31-ZK-U
	SCHRv-48zk-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-48-31-ZK-U
	SCHRv-2×24zk-1 36 IP31 UNIVERSAL	48	Body: 480×662×138. Niche: 455×640×135	Holes location: top, bottom, at rear Weight: 9,92 kg	RAL7035	MKM12-V-2x24-31-ZK-U
	SCHRv-2×24zk-1 38 IP31 UNIVERSAL	48			RAL9010	MKM13-V-2x24-31-ZK-U
	SCHRv-2×24zk-1 41 IP31 UNIVERSAL	48			RAL9005	MKM11-V-2x24-31-ZK-U
	SCHRv-2×36zk-1 36 IP31 UNIVERSAL	72	Body: 605×662×138. Niche: 580×640×135	Holes location: top, bottom, at rear Weight: 11,74 kg	RAL7035	MKM12-V-2x36-31-ZK-U
	SCHRv-2×36zk-1 38 IP31 UNIVERSAL	72			RAL9010	MKM13-V-2x36-31-ZK-U
	SCHRv-2×36zk-1 41 IP31 UNIVERSAL	72			RAL9005	MKM11-V-2x36-31-ZK-U
	SCHRv-2×48zk-1 36 IP31 UNIVERSAL	96	Body: 730×662×138. Niche: 705×640×135	PHoles location: top, bottom, at rear Weight: 14,01 kg	RAL7035	MKM12-V-2x48-31-ZK-U
	SCHRv-2×48zk-1 38 IP31 UNIVERSAL	96			RAL9010	MKM13-V-2x48-31-ZK-U
	SCHRv-2×48zk-1 41 IP31 UNIVERSAL	96			RAL9005	MKM11-V-2x48-31-ZK-U



Surface mounted distribution cases



Item-size	Ways	Overall dimensions (H×W×D), mm	Features	Color	Article
SCHRn-24z-1 74 IP54 UNIVERSAL	24	440×310×136	Holes location: top/bottom 70×140 Weight: 5,02 kg	RAL7032	MKM11-N-24-54-Z-U



SCHRn-36z-1 74 IP54 UNIVERSAL	36	565×310×136	Holes location: top/bottom 70×140 Weight: 6,11 kg	RAL7032	MKM11-N-36-54-Z-U
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SCHRn-48z-1 74 IP54 UNIVERSAL	48	690×310×136	Holes location: top/bottom 70×140 Weight: 7,22 kg	RAL7032	MKM11-N-48-54-Z-U
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SCHRn-2×24z-1 74 IP54 UNIVERSAL	48	440×620×136	Holes location: top/bottom 70×140 Weight: 9,43 kg	RAL7032	MKM11-N-2x24-54-Z-U
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SCHRn-2×36z-1 74 IP54 UNIVERSAL	72	565×620×136	Holes location: top/bottom 70×140 Weight: 11,41 kg	RAL7032	MKM11-N-2x36-54-Z-U
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SCHRn-2×48z-1 74 IP54 UNIVERSAL	96	690×620×136	Holes location: top/bottom 70×140 Weight: 13,46 kg	RAL7032	MKM11-N-2x48-54-Z-U
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Accessories for UNIVERSAL cabinets

SPECIALTY

	Description	Number of ports	Max. current, A	Max. conductors section, mm		Minimal bus section, mm	PCS/PACKAGE	PCS/CTN	Article
				with tip	without tip				
	N bus (neutral)* 8×12 mm 26/1 (26 units/edge mounting)	24	125	16	35	30	2	120	YNN21-26-125
	UNIVERSAL insulation holder, ISK-1								YIS50-K05
	UNIVERSAL 12 module plug, grey								YIS50-12-K03
	UNIVERSAL false panel end element, grey								YIS50-TFP-K03
	UNIVERSAL false panel end element, transparent								YIS50-TFP-K08
	UNIVERSAL false panel connector, yellow								YIS50-SSFP-K05
	UNIVERSAL false panel holder, yellow								YIS50-SFP-K05
	UNIVERSAL false panel base, grey								YIS50-0FP-K03
	UNIVERSAL false panel base, transparent								YIS50-0FP-K08
	UNIVERSAL false panel fixing bolt, yellow								YIS50-FVFP-K05
	UNIVERSAL gland, grey								YIS50-VS-K03

4

* Refer to page 237 for detailed bus information



Low voltage electrical switchboard

Step-down transformer box, YATP

Step-down transformer boxes are designed for local and repair lighting power supply and portable lights and tools connection.

YATP box has a metal collapsible body that accommodates:

- single-phase step-down transformer, OSO-0.25 (250 W);
- automatic breakers, VA47-29;
- plug socket.



Advantages

- High corrosion resistance.
- High quality coating.
- Compact design.
- Highly technological and user friendly.
- Advanced electrical safety.
- Beautiful look.
- Quality certificate.

Technical features

Mounting	surface type
Overall dimensions (H×W×D)	127×230×142 mm
Inlets	2 ports Ø14 mm (sideways)
Rated frequency, Hz	50
Rated insulating voltage, V	600
Max. short-circuit prospective current, kA	4.5
Climate type	MRC4 (Moderate and rigid climate)
Protection degree	IP30
Ground system	TN-C, TN-S
Color	RAL 7035
Weight, kg	6.0



Codes interpretation

YATP-0.25 220/12-2 36 MRC4 IP30

YATP – Box model

0,25 – step-down transformer capacity, 250 VA

220/380 – primary voltage, V

12/24/36/42 – secondary voltage, V

2 – modification

3 – coating type

3 – EPR/sharkskin



6 – color

6 – RAL 7035

MRC4 – climate type

IP30 – protection degree

Range

	Description	Primary voltage	Secondary voltage	Article
	YATP-0,25 220/12-3 36 MRC4 IP30	220	12	MTT13-012-0250
	YATP-0,25 220/24-3 36 MRC4 IP30	220	24	MTT13-024-0250
	YATP-0,25 220/36-3 36 MRC4 IP30	220	36	MTT13-036-0250
	YATP-0,25 220/42-3 36 MRC4 IP30	220	42	MTT13-042-0250
	YATP-0,25 380/12-3 36 MRC4 IP30	380	12	MTT21-012-0250
	YATP-0,25 380/24-3 36 MRC4 IP30	380	24	MTT21-024-0250
	YATP-0,25 380/36-3 36 MRC4 IP30	380	36	MTT21-036-0250
	YATP-0,25 380/42-3 36 MRC4 IP30	380	42	MTT21-042-0250
	YATP-0,25 220/12-2 36 MRC4 IP30	220	12	MTT12-012-0250
	YATP-0,25 220/24-2 36 MRC4 IP30	220	24	MTT12-024-0250
	YATP-0,25 220/36-2 36 MRC4 IP30	220	36	MTT12-036-0250
	YATP-0,25 220/42-2 36 MRC4 IP30	220	42	MTT12-042-0250



Construction site distribution device, RUSP

Construction site distribution devices (RUSP) are designed for safe power distribution and connecting various electrical receivers. They are not limited to construction sites only and may be used in gardeners' partnerships, garages and any other facilities requiring safe power equipment.



Advantages

- High corrosion resistance.
- High quality coating.
- Compact design.
- Highly technological and user friendly.
- Advanced electrical safety.
- Beautiful look.
- Quality certificate.
- Design that allows wall mounting.
- Voltage indicator.

Technical features

Rated operating voltage, V	400/230
Rated frequency, Hz	50
Rated primary voltage, A	40...63
Rated secondary voltage, A	16, 32
Rated insulation voltage, V	600
Maximal Short-circuit prospective current	4.5 kA
Climate type	U1
Protection degree	IP44
Ground system	TN-S
Color	RAL 7032



Design features

- Shock hazard protection upon accidental contact with current-conductive parts or damage of current conductor insulation.
- Combustion protection upon earth leakage through damaged insulation.
- Branch lines overload and short-circuit protection.

Complete set



Legs



Handle



Cover

Codes interpretation

RUSP – 3×6/3+1×16/5+1×32/5-74 U1 IP44

RUSP – construction site distribution device

3×16/3 – 3 – number of sockets

16/3 – amperage/number of contacts

7 – coating type – PPR/sharkskin


4 – color

4 – RAL 7032

U1 – Climate type

IP44 – protection degree

Range

	Description	Overall dimensions, mm (H×W×D)	Overall dimensions, mm (H×W×D) (Assembled)	Article
	RUSP - 3×16/3+3×16/5-74 U1 IP44	322×522×160	570×522×303	YKM80-330-54
RUSP - 3×16/3+2×16/5-74 U1 IP44	322×475×160	570×475×303	YKM80-320-54	
RUSP - 3×16/3+2×16/5+1×32/5-74 U1 IP44	322×522×160	570×522×303	YKM80-321-54	
RUSP - 3×16/3+1×32/5-74 U1 IP44	257×409×160	505×409×160	YKM80-301-54	
RUSP - 3×16/3+1×16/5-74 U1 IP44	257×409×160	505×409×160	YKM80-310-54	
RUSP - 3×16/3+1×16/5+1×32/5-74 U1 IP44	322×475×160	570×475×303	YKM80-311-54	

Selection table

Description	Socket, IP44		Differential breaker			Differential Circuit breakers switch					
	415 s/u 3P+N+PE 16 A	425 s/u 3P+N+PE 32 A	RP10-3 2P+PE 16 A/ 250 V	AD-14 4P 40 A 30 mA	AD-14 4P 50 A 30 mA	AD-14 4P 63 A 30 mA	VD-1-63 4P 80 A 30 mA	VA47-29 1P 16 A chr. B	VA47-29 3P 16 A chr. B	VA47-29 3P 32 A chr. B	VA47-100 3P 80 A chr. C
RUSP - 3×16/3+3×16/5	3		3			1		3	3		
RUSP - 3×16/3+2×16/5	2		3		1			3	2		
RUSP - 3×16/3+2×16/5+1×32/5	2	1	3				1	3	2	1	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	



Electric metal covers

Large size dismountable metal case, KSRM

Large size dismountable metal covers are designed for installation of packaged low-voltage units: main distribution devices, accounting units and automation control boxes.

Doors, side panels, rear panel, top and base are mounted to the perforated dismountable body. Mounting panels, support rails, plates, angles, DIN rails, etc. may be installed inside the body for further electric units, bus bars, electric gears and accessories installation.



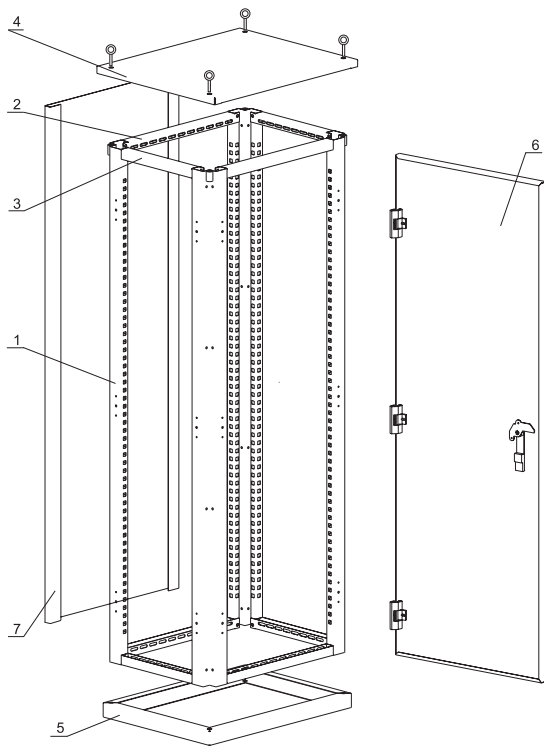
Advantages

- Multipurpose construction.
- Door installation on either side.
- Block-structured design.
- High corrosion resistance.
- High quality coating.
- Accessories kit.
- Highly technological and user friendly.
- Easy mounting, transportation and storage.
- High electrical safety.

Technical features

Mounting	floor standing type
Rated current, max., A	630
Metal	1.5 mm
Coating	powder, sharkskin
Color	RAL 7035
Protection degree	IP31
Door opening angle	160°
Equipment	various

Design features



- 1 – Upright posts – 4 pcs.
- 2 – Front panel tie-bars – 4 pcs.
- 3 – Side panel tie-bars – 4 pcs.
- 4 – Top – 1 pcs.
- 5 – Base – 1 pcs.
- 6 – Door – 1 pcs.
- 7 – Rear panel – 1 pcs.

Complete set of separate elements (units)

Unit 1

Upright posts.

Unit 2

Top, base, side and front panel tie-bars, lock, hinges, coupling elements, data sheet, and installation instruction manual.

Unit 3

Door, rear panel.

Codes interpretation

KSRM 16.6.4-1-36 UHL3 IP31

KSRM – large-size dismountable metal case

- 16 – height, dm
- 6 – width, dm
- 4 – depth, dm
- 1 – modification number
- 3 – coating
- 3 – EPR/sharkskin
- 6 – color
- 6 – RAL 7035

MRC3 – climate type

IP31 – protection degree

Side panel 16.4-36

Side panel 16.4 – item size

- 16 – height, dm
- 4 – depth, dm
- 3 – coating
- 3 – EPR/sharkskin
- 6 – color
- 6 – RAL 7035

Range



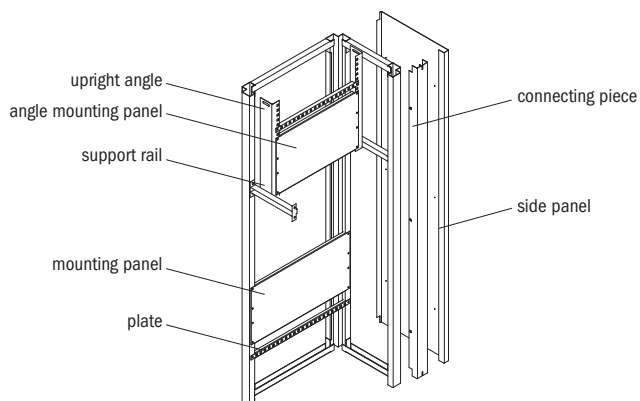
Наименование	Артикул
KSRM 16.x.x. Unit 1	YKM30-M1-16
KSRM 18.x.x. Unit 1	YKM30-M1-18
KSRM 20.x.x. Unit 1	YKM30-M1-20
KSRM xx.6.4-2 36 MRC3 IP31 Unit 2	YKM30-M2-64-36
KSRM xx.6.6-2 36 MRC3 IP31 Unit 2	YKM30-M2-66-36
KSRM xx.6.8-2 36 MRC3 IP31 Unit 2	YKM30-M2-68-36
KSRM xx.8.4-2 36 MRC3 IP31 Unit 2	YKM30-M2-84-36
KSRM xx.8.6-2 36 MRC3 IP31 Unit 2	YKM30-M2-86-36
KSRM xx.8.8-2 36 MRC3 IP31 Unit 2	YKM30-M2-88-36
KSRM 16.6.x-2 36 MRC3 IP31 Unit 3	YKM30-M3-166-36
KSRM 16.8.x-2 36 MRC3 IP31 Unit 3	YKM30-M3-168-36
KSRM 18.6.x-2 36 MRC3 IP31 Unit 3	YKM30-M3-186-36
KSRM 18.8.x-2 36 MRC3 IP31 Unit 3	YKM30-M3-188-36
KSRM 20.6.x-2 36 MRC3 IP31 Unit 3	YKM30-M3-206-36
KSRM 20.8.x-2 36 MRC3 IP31 Unit 3	YKM30-M3-208-36

KSRM Units selection table

Cover / 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 case KSRM 16.6.4-2	1			1						1					
Metal case KSRM 16.6.6-2	1				1					1					
Metal case KSRM 16.6.8-2	1					1				1					
Metal case KSRM 16.8.4-2	1						1			1					
Metal case KSRM 16.8.6-2	1							1		1					
Metal case KSRM 16.8.8-2	1								1	1					
Metal case KSRM 18.6.4-2		1		1							1				
Metal case KSRM 18.6.6-2		1			1						1				
Metal case KSRM 18.6.8-2		1				1					1				
Metal case KSRM 18.8.4-2		1					1					1			
Metal case KSRM 18.8.6-2		1						1				1			
Metal case KSRM 18.8.8-2		1							1			1			
Metal case KSRM 20.6.4-2			1	1										1	
Metal case KSRM 20.6.6-2			1		1									1	
Metal case KSRM 20.6.8-2			1			1								1	
Metal case KSRM 20.8.4-2			1				1								1
Metal case KSRM 20.8.6-2			1					1							1
Metal case KSRM 20.8.8-2			1						1						1



KSRM accessories



Description	Function	Mounting position	Overall dimensions	Color	Article
Side panel 16.4-36	Covers KSRM apertures for electrical safety and unauthorized access protection	To be mounted to the upright posts from the outer unit sides. When combining several units into a block – to the upright posts from the outer block sides.	1600×400	RAL 7035	YKM30-BP-16-04-36
Side panel 16.6-36			1600×600	RAL 7035	YKM30-BP-16-06-36
Side panel 16.8-36			1600×800	RAL 7035	YKM30-BP-16-08-36
Side panel 18.4-36			1800×400	RAL 7035	YKM30-BP-18-04-36
Side panel 18.6-36			1800×600	RAL 7035	YKM30-BP-18-06-36
Side panel 18.8-36			1800×800	RAL 7035	YKM30-BP-18-08-36
Side panel 20.4-36			2000×400	RAL 7035	YKM30-BP-20-04-36
Side panel 20.6-36			2000×600	RAL 7035	YKM30-BP-20-06-36
Side panel 20.8-36			2000×800	RAL 7035	YKM30-BP-20-08-36
Mounting panel 300×590			Designed for installation of various electrical units	To be mounted inside the body to the upright posts	300×590
Mounting panel 300×790	300×790	zinc-plated			YKM30-MP-030-079
Mounting panel 500×590	500×590	zinc-plated			YKM30-MP-050-059
Mounting panel 500×790	500×790	zinc-plated			YKM30-MP-050-079
Mounting panel 300×490 with angles	Designed for installation of various electrical units	To be mounted inside the body to the upright posts (to allow for panel adjustment to cabinet depth)	300×490	zinc-plated	YKM30-MPU-030-049
Mounting panel 300×690 with angles			300×690	zinc-plated	YKM30-MPU-030-069
Mounting panel 500×490 with angles			500×490	zinc-plated	YKM30-MPU-050-049
Mounting panel 500×690 with angles			500×690	zinc-plated	YKM30-MPU-050-069
Plate 25×390	Used for installation of single elements or several units of the same mounting height	To be mounted inside the body to the upright posts or angles (to allow for panel adjustment to cabinet depth)	25×390	zinc-plated	YKM30-PL-039
Plate 25×590			25×590	zinc-plated	YKM30-PL-059
Plate 25×790			25×790	zinc-plated	YKM30-PL-079



Description	Function	Mounting position	Overall dimensions	Color	Article
Connecting piece 1600-36	Designed to combine separate units into a single block	To be mounted from the outer front between coupled upright posts	1600×63×48	RAL 7035	YKM30-SV-1600-36
Connecting piece 1800-36			1800×63×48	RAL 7035	YKM30-SV-1800-36
Connecting piece 2000-36			2000×63×48	RAL 7035	YKM30-SV-2000-36
Upright angle 490	Designed for mounting panels and plates installation (to allow for unit adjustment to cabinet depth)	To be mounted inside the body to the side tie-bars or support rails	490×42×52	zinc-plated	YKM30-UV-0490
Upright angle 1590			1590×42×52	zinc-plated	YKM30-UV-1590
Upright angle 1790			1790×42×52	zinc-plated	YKM30-UV-1790
Upright angle 1990			1990×42×52	zinc-plated	YKM30-UV-1990
Support rail 250	Designed for 490 mm upright angle to allow for adjustment to cabinet depth	To be mounted inside the body between side upright posts	80×250×24	zinc-plated	YKM30-RO-250
Support rail 450			80×450×24	zinc-plated	YKM30-RO-450
Support rail 650			80×650×24	zinc-plated	YKM30-RO-650



Distribution cases with mounting panel, SCHMP

These cases are used for installation of power, control and automation switchboards and allow both modular and packaged equipment installation.

Welded metal case has a detachable zinc-plated mounting panel (wire panel). The door is locked with a single secret key. IP54 cabinets are compacted with two-component door sealer and are fitted with dust-proof lock.



Advantages

- High corrosion resistance.
- High quality coating.
- Single key secret.
- Accessories kit.
- Highly technological and user friendly.
- Easy mounting.
- Several color variants.
- High electrical safety.
- Quality certificate.

Technical features

Mounting	surface, floor standing type
Metal	1.0-1.5 mm
Rated current, max, A	630
Coating	powder, sharkskin
Color	RAL 7035, RAL 7032
Protection degree	IP31, IP54
Door opening angle	105°
Equipment	various
Climate type	MRC3 for IP31, U2 for IP54

Codes interpretation

SCHMP-1-0 36 MRC3 IP31

SCHMP – distribution case

1 – cabinet dimensions (H×W), mm

0 – modification

3 – coating type


3 – EPR/sharkskin

5 – EPR/polish

7 – PPR/sharkskin

9 – PPR/polish

6 – color

4 – RAL 7032 

6 – RAL 7035 

MRC3 – climate type

IP 31 – protection degree

SCHMP-2.3.1-0 36 MRC3 IP31

SCHMP – distribution case

2.3.1. – cabinet dimensions (H×W×D), mm

Height – **2** – 250

3 – 300

4 – 400

6 – 600

16 – 1600 (net of base)

Width – **2** – 210

3 – 300

4 – 400

6 – 600

8 – 800

Depth – **1** – 150

2 – 250

4 – 400

0 – modification

3 – coating type

3 – EPR/sharkskin

5 – EPR/polish

7 – PPR/sharkskin

9 – PPR/polish

6 – color

6 – RAL 7035 

4 – RAL 7032 

MRC3 – climate type

IP 31 – protection degree

Design features



Multifaceted gutter in IP54 version for protection from dirt and water penetration.



Foam polyurethane gasket in IP54 version.



Detachable rear panel in 16.6.4 and 16.8.4 models for easy mounting and maintenance



Rear panel holders in 16.6.4 and 16.8.4 models for easy mounting and safer maintenance.

Range

Distribution cases (IP31)		Item	Description	Color	Article
		Metal case SCHMP-1-1 36 MRC3	Body, mm: 395×310×150. Panel, mm: 330×250. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 5,2 kg	RAL 7035	YKM41-01-31
		Metal case SCHMP-2-1 36 MRC3	Body, mm: 500×400×150. Panel, mm: 430×340. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 8,0 kg	RAL 7035	YKM41-02-31
		Metal case SCHMP-3-1 36 MRC3	Body, mm: 650×500×150. Panel, mm: 580×440. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 12,2 kg	RAL 7035	YKM41-03-31
		Metal case SCHMP-1-0 36 MRC3	Body, mm: 395×310×220. Panel, mm: 330×250. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 6,0 kg	RAL 7035	YKM40-01-31
		Metal case SCHMP-2-0 36 MRC3	Body, mm: 500×400×220. Panel, mm: 430×340. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 9,0 kg	RAL 7035	YKM40-02-31
		Metal case SCHMP-3-0 36 MRC3	Body, mm: 650×500×220. Panel, mm: 580×440. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 13,5 kg	RAL 7035	YKM40-03-31
		Metal case SCHMP-4-0 36 MRC3	Body, mm: 800×650×250. Panel, mm: 730×585. Lead-ins: 4 holes Ø31 mm (bottom) Weight: 20,9 kg	RAL 7035	YKM40-04-31



Item	Description	Color	Article
	<p>Metal case SCHMP-5-0 36 MRC3</p> <p>Body, mm: 1000×650×300. Panel, mm: 930×585. Lead-ins: 5 holes Ø31 mm (bottom) Weight: 26,8 kg</p>	RAL 7035	YKM40-05-31
	<p>Metal case SCHMP-6-0 36 MRC3</p> <p>Body, mm: 1200×750×300. Panel, mm: 1130×685. Lead-ins: 6 holes Ø31 mm (bottom) Weight: 42,0 kg</p>	RAL 7035	YKM40-06-31
	<p>Metal case SCHMP-7-0 36 MRC3</p> <p>Body, mm: 1320×750×300. Panel, mm: 1250×690. Lead-ins: 7 holes Ø31 mm (bottom) Weight: 45,8 kg</p>	RAL 7035	YKM40-07-31
	<p>Metal case SCHMP-2.3.1-0 36 MRC3</p> <p>Body, mm: 250×300×150. Panel, mm: 180×230. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 3,0 kg</p>	RAL 7035	YKM40-231-31
	<p>Metal case SCHMP-3.2.1-0 36 MRC3</p> <p>Body, mm: 300×210×150. Panel, mm: 230×140. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 2,7 kg</p>	RAL 7035	YKM40-321-31
	<p>Metal case SCHMP-4.2.1-0 36 MRC3</p> <p>Body, mm: 400×210×150. Panel, mm: 330×140. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 3,4 kg</p>	RAL 7035	YKM40-421-31
	<p>Metal case SCHMP-4.4.1-0 36 MRC3</p> <p>Body, mm: 400×400×150. Panel, mm: 330×330. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 6,6 kg</p>	RAL 7035	YKM40-441-31



	Item	Description	Color	Article
	Metal case SCHMP-4.4.2-0 36 MRC3	Body, mm: 400×400×250. Panel, mm: 330×330. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 7,9 kg	RAL 7035	YKM40-442-31
	Metal case SCHMP-4.6.1-0 36 MRC3	Body, mm: 400×600×150. Panel, mm: 330×530. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 9,4 kg	RAL 7035	YKM40-461-31
	Metal case SCHMP-4.6.2-0 36 MRC3	Body, mm: 400×600×250. Panel, mm: 330×330. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 11,0 kg	RAL 7035	YKM40-462-31
	Metal case SCHMP-6.6.1-0 36 MRC3	Body, mm: 600×600×150. Panel, mm: 530×530. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 5.2 kg	RAL 7035	YKM40-661-31
	Metal case SCHMP-6.6.2-0 36 MRC3	Body, mm: 600×600×250. Panel, mm: 330×330. Lead-ins: 3 holes Ø31 mm (bottom) Weight: 15,3 kg	RAL 7035	YKM40-662-31
	Metal case SCHMP-16.6.4-0 36 MRC3*	Body, mm: 1600×600×400. Base, mm: 100×600×400. Lead-ins: 1 holes 404×178 mm (bottom) Weight: 55,4 kg	RAL 7035	YKM40-1664-31
	Metal case SCHMP-18.6.4-0 36 MRC3*	Body, mm: 1800×600×400. Base, mm: 100×600×400. Lead-ins: 1 holes 404×178 mm (bottom) Weight: 58,5 kg	RAL 7035	YKM40-1864-31
	Metal case SCHMP-16.8.4-0 36 MRC3*	Body, mm: 1600×800×400. Base, mm: 100×800×400. Lead-ins: 1 holes 604×178 mm (bottom) Weight: 66,2 kg	RAL 7035	YKM40-1684-31
	Metal case SCHMP-18.8.4-0 36 MRC3*	Body, mm: 1800×600×400. Base, mm: 100×800×400. Lead-ins: 1 holes 604×178 mm (bottom) Weight: 69,7 kg	RAL 7035	YKM40-1884-31

* Mounting panel are optional.


Distribution cases (IP54)

	Item	Description	Color	Article
	Metal case SCHMP-1-0 74 U2	Body, mm: 395×310×220. Panel, mm: 330×250. Lead-ins: 11 holes Ø28 mm (bottom) Weight: 6,5 kg	RAL 7032	YKM40-01-54
	Metal case SCHMP-2-0 74 U2	Body, mm: 500×400×220. Panel, mm: 430×340. Lead-ins: 11 holes Ø28 mm (bottom) Weight: 9,5 kg	RAL 7032	YKM40-02-54
	Metal case SCHMP-3-0 74 U2	Body, mm: 650×500×220. Panel, mm: 580×440. Lead-ins: 13 holes Ø28mm (снизу). Weight: 13,9 kg	RAL 7032	YKM40-03-54
	Metal case SCHMP-4-0 74 U2	Body, mm: 800×650×250. Panel, mm: 730×585. Lead-ins: 1 holes 523×123 mm (bottom) Weight: 27,8 kg	RAL 7032	YKM40-04-54
	Metal case SCHMP-5-0 74 U2	Body, mm: 1000×650×285. Panel, mm: 930×585. Lead-ins: 1 holes 523×123 mm (bottom) Weight: 34,8 kg	RAL 7032	YKM40-05-54
	Metal case SCHMP-6-0 74 U2	Body, mm: 1200×750×300. Panel, mm: 1130×685. Lead-ins: 1 holes 523×123 mm (bottom) Weight: 46,2 kg	RAL 7032	YKM40-06-54
	Metal case SCHMP-7-0 74 U2	Body, mm: 1400×650×285. Panel, mm: 1330×585. Lead-ins: holes 523x123 mm (bottom) Weight: 46,6 kg	RAL 7032	YKM40-07-54



	Item	Description	Color	Article
	Metal case SCHMP-2.3.1-0 74 U2	Body, mm: 250×300×150. Panel, mm: 180×230. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 3,9 kg	RAL 7032	YKM40-231-54
	Metal case SCHMP-3.2.1-0 74 U2	Body, mm: 300×210×150. Panel, mm: 230×140. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 3,4 kg	RAL 7032	YKM40-321-54
	Metal case SCHMP-4.2.1-0 74 U2	Body, mm: 400×210×150. Panel, mm: 330×140. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 4,3 kg	RAL 7032	YKM40-421-54
	Metal case SCHMP-4.4.1-0 74 U2	Body, mm: 400×400×150. Panel, mm: 330×330. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 8,7 kg	RAL 7032	YKM40-441-54
	Metal case SCHMP-4.4.2-0 74 U2	Body, mm: 400×400×250. Panel, mm: 330×330. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 10,6 kg	RAL 7032	YKM40-442-54
	Metal case SCHMP-4.6.1-0 74 U2	Body, mm: 400×600×150. Panel, mm: 330×530. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 12,2 kg	RAL 7032	YKM40-461-54
	Metal case SCHMP-4.6.2-0 74 U2	Body, mm: 400×600×250. Panel, mm: 330×530. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 14,5 kg	RAL 7032	YKM40-462-54
	Metal case SCHMP-6.6.1-0 74 U2	Body, mm: 600×600×150. Panel, mm: 530×530. Lead-ins: 6 holes Ø28 mm(снизу). Weight: 17,2 kg	RAL 7032	YKM40-661-54
	Metal case SCHMP-6.6.2-0 74 U2	Body, mm: 600×600×250. Panel, mm: 530×530. Lead-ins: 6 holes Ø28 mm (bottom) Weight: 19,9 kg	RAL 7032	YKM40-662-54



Item	Description	Color	Article
	Metal case SCHMP-16.6.4-0 74 U2*	Body, mm: 1600×600×400. Base, mm: 100×600×400. Lead-ins: 1 holes 404×178 mm (bottom) Weight: 55,4 kg	RAL 7032 YKM40-1664-54
	Metal case SCHMP-18.6.4-0 74 U2*	Body, mm: 1800×600×400. Base, mm: 100×600×400. Lead-ins: 1 holes 404×178 mm (bottom) Weight: 58,5 kg	RAL 7032 YKM40-1864-54
	Metal case SCHMP-16.8.4-0 74 U2*	Body, mm: 1600×800×400. Base, mm: 100×800×400. Lead-ins: 1 holes 604×178 mm (bottom) Weight: 66,2 kg	RAL 7032 YKM40-1684-54
	Metal case SCHMP-18.8.4-0 74 U2*	Body, mm: 1800×600×400. Base, mm: 100×800×400. Lead-ins: 1 holes 604×178 mm (bottom) Weight: 69,7 kg	RAL 7032 YKM40-1884-54

* Mounting panel and upright angles are optional.

SCHMP-16.X.X IPXX Accessories

Description	Function	Mounting position	Overall dimensions	Article
Upright angle 1560 (zink-plated) for SCHMP-16.X.X	Designed for mounting panels, PM panels and plates installation (to allow for unit adjustment to case depth)	To be mounted inside the body to Z-profiles	1560×35×30	YKM40-U-1560X
Upright angle 1760 (zink-plated) for SCHMP-18.X.X		To be mounted inside the body to Z-profiles	1760×35×30	YKM40-U-1760X
Mounting panel 300×545 (zink-plated) for SCHMP-16.6.4	Designed for installation of various electrical units	To be mounted inside the body to the upright angles (to allow for units adjustment to cabinet depth)	300×545	YKM40-PM-300X545
Mounting panel 300×745 (zink-plated) for SCHMP-16.8.4			300×745	YKM40-PM-300X745
Mounting panel 500×545 (zink-plated) for SCHMP-16.6.4			500×545	YKM40-PM-500X545
Mounting panel 500×745 (zink-plated) for SCHMP-16.8.4			500×745	YKM40-PM-500X745
PN panel (zink-plated) for SCHMP-16.6.4	Used for installation of protection devices	To be mounted inside the body to the upright angles (to allow for units adjustment to cabinet depth)	140×545	YKM40-PN-1664
PN panel (zink-plated) for SCHMP-16.8.4			1407×745	YKM40-PN-1684
Plate 30×545 (zink-plated) for SCHMP-16.6.4	Used for installation of single elements or several units of the same mounting height		30×545	YKM40-P-30X545
Plate 30×745 (zink-plated) for SCHMP-16.8.4			30×745	YKM40-P-30X745



Power distribution cases, PR

These cases are designed for installation of PR11 distribution units that allow intake and distribution of 400/230 V power, and are used for short-circuits and overloads prevention and random (max. 6 times per hour) operational connections/disconnections.



4

Advantages

- Multipurpose construction.
- High corrosion resistance.
- High quality coating.
- Accessories kit.
- Electrical safety signs.
- Highly technological and user friendly.
- Easy mounting.
- High electrical safety.
- Quality certificate.
- Trendy design.

Technical features

Rated current, max, A	630
Metal	1.0–1.5 mm
Coating	powder, sharkskin
Color	RAL 7032, RAL 7035
Protection degree	IP31, IP54
Door opening angle	105°



Description

Single-unit melded body accommodating operational panel, lead-in panel, DIN rails for master units, and power bus and N (PE) bus fasteners.

Outer door is locked with the key. Doors in IP54 models are sealed with a two-component sealer.

Cases are classified into three groups according to their overall dimensions.

Recommended mounting units:

- Lead-in unit – VA88 series IEK thermal-magnetic switches for 160. 250. 400 and 630 A current rating;
- Branch lines – VA47-100 switches for 10 ÷ 100 A current rating.

No. 3 modification is has two features to provide greater convenience and wider service.

First, these cases allow cable intake from the top for greater functionality and convenience. The cable is led through a supplementary lead-in panel compacted with polyurethane sealer (for IP 54 model) (Fig. 1).

Second, these cases allow connecting VA88 breakers (32 and 33) to branch lines using auxiliary mounting panels-adapters. Panels are perforated to allow installation without using auxiliary tools.

Updated models for quick installation and easy operation.



Fig. 1

Complete set:

Power distribution cases including operational panel (1)

Electrical safety signs (3)

Instruction manual (1)

Data sheet (1)

Marking tables (2)

Codes interpretation

PR-1-0 36 MRC3 IP31




- PR** – case type
- 1** – case dimensions
- 0** – modification
- 3** – coating type
 - 3** – EPR/sharkskin
 - 7** – PPR/sharkskin
- 6** – color
 - 4** – RAL 7032
 - 6** – RAL 7035
- MRC3** – climate type
- IP31** – protection degree



Range

	Name	Features	Color	Article
	Metal case PR-1-0 36 MRC3 IP31	Overall dimensions, mm: 900×400×182. Lead-ins: 1 holes 80×220 mm (bottom) Weight: 15 kg	RAL 7035	YKM14-01-31
	Metal case PR-1-0 74 U2 IP54	Overall dimensions, mm: 900×400×182. Lead-ins: 1 holes 80×220 mm (bottom) Weight: 15,3 kg	RAL 7032	YKM14-01-54
	Metal case PR-2-3 36 MRC3 IP31	Overall dimensions, mm: 1157×650×180. Lead-ins: 2 holes 80×220 mm (bottom), 1 holes 80×220 mm (top). Weight: 35 kg	RAL 7035	YKM14-02-3-31
	Metal case PR-2-3 74 U2 IP54	Overall dimensions, mm: 1157×650×180. Lead-ins: 2 holes 80×220 mm (bottom), 1 holes 80×220 mm (top). Weight: 35,2 kg	RAL 7032	YKM14-02-3-54
	Metal case PR-3-3 36 MRC3 IP31	Overall dimensions, mm: 1317×650×180. Lead-ins: 2 holes 80×220 mm (bottom), 1 holes 80×220 mm (top). Weight: 39,1 kg	RAL 7035	YKM14-03-3-31
	Metal case PR-3-3 74 U2 IP54	Overall dimensions, mm: 1317×650×180. Lead-ins: 2 holes 80×220 mm (bottom), 1 holes 80×220 mm (top). Weight: 39,3 kg	RAL 7032	YKM14-03-3-54

PR accessories*

	Name	Function	Dimensions, mm				Thickness	Width	Article
			Length L1	L2	L3				
	Power buses								
	Power buses (copper, mod. 1) κ PR	Transmits power from intake unit to branch lines	242	242	242	3	20	YKM10-SS-01	
	Power buses (copper, mod. 2) κ PR		377	404	431	3	20	YKM10-SS-02	
	Power buses (copper, mod. 3) κ PR		539	566	593	3	20	YKM10-SS-03	
	Power buses (copper, mod. 4) κ PR		341	368	395	4	30	YKM10-SS-04	
	Power buses (copper, mod. 5) κ PR		503	530	361	4	30	YKM10-SS-05	
	Power buses (copper, mod. 6) κ PR		334	361	388	5	50	YKM10-SS-06	
	Power buses (copper, mod. 7) κ PR		496	523	550	5	50	YKM10-SS-07	
	N(PE) buses			N	PE				
	N and PE buses (copper, mod. 1) κ PR	Connects neutral operational and neutral protective conductors	288	288		3	20	YKM10-NP-01	
	N and PE buses (copper, mod. 2) κ PR		418	418		3	20	YKM10-NP-02	
	N and PE buses (copper, mod. 3) κ PR		418	418		4	30	YKM10-NP-03	
	N and PE buses (copper, mod. 4) κ PR		418	418		5	50	YKM10-NP-04	
	VA88-32 (33) installation panel for PR-2		For VA88 breakers installation				YKI10-02-31		
	VA88-32 (33) installation panel for PR-3		For VA88 breakers installation				YKI10-03-31		

* Bus kit contains all necessary fasteners for installation in PR and connection of outer conductors and SM insulators.

Accessories selection table

Item	Case dimensions	Lead-in breaker		Branch line switch				Power buses dimension	N and PE buses dimension
				single-pole		three-poles			
				name	rated current, A	name	amount		
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	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	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	2
PR11-3064	2	VA88-35	250	VA47-100	6	VA47-100	4	2	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	2
PR11-3072	3	VA88-35	250	VA47-100	12	VA47-100	4	3	2
PR11-3074	3	VA88-35	250	VA47-100	6	VA47-100	6	3	2
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	2
PR11-3082	3	VA88-35	250	VA47-100	18	VA47-100	4	3	2
PR11-3084	3	VA88-35	250	VA47-100	12	VA47-100	6	3	2
PR11-3086	3	VA88-35	250	VA47-100	6	VA47-100	8	3	2
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	3
PR11-3094	2	VA88-37	400	VA47-100	6	VA47-100	4	4	3
PR11-3096	3	VA88-37	400	VA47-100	24			5	3
PR11-3098	3	VA88-37	400			VA47-100	8	5	3
PR11-3100	3	VA88-37	400	VA47-100	18	VA47-100	2	5	3
PR11-3102	3	VA88-37	400	VA47-100	12	VA47-100	4	5	3
PR11-3104	3	VA88-37	400	VA47-100	6	VA47-100	6	5	3
PR11-3106	3	VA88-37	400	VA47-100	30			5	3
PR11-3108	3	VA88-37	400			VA47-100	10	5	3
PR11-3110	3	VA88-37	400	VA47-100	24	VA47-100	2	5	3
PR11-3112	3	VA88-37	400	VA47-100	18	VA47-100	4	5	3
PR11-3114	3	VA88-37	400	VA47-100	12	VA47-100	6	5	3
PR11-3116	3	VA88-37	400	VA47-100	6	VA47-100	8	5	3
PR11-3118	2	VA88-37	400			VA47-100	4	4	3
PR11-3120	2	VA88-37	400			VA47-100	6	4	3
PR11-3122	3	VA88-40	630			VA47-100	8	6	4
PR11-3124	3	VA88-40	630			VA47-100	12	7	4

Distribution cabinets accessories

Cable glands

Cable glands are used for installation of wires and cables in power distribution units and to protect conductors against mechanical damage and dust and moisture penetration.



Cable gland consists of a body (1), seal ring (2), seal nut (3), gasket (4) and clamping nut (5). Seal ring and gasket are made of neoprene.

Base, seal nut and clamping nut are made of nylon.

Cable gland is installed by using tube (gas) wrench.

Ambient temperature varies from -40 to $+80$ °C.

Range

PGL, PG Cable glands

Protection degree – IP54.
Color – RAL 7035 grey.

Overall dimensions	Name	Dimensions, mm								Cable diameter	Article
		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 Cable glands

Protection degree – IP68
Color – black

Overall dimensions	Name	Dimensions, mm							Cable diameter	Article
		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

Cable lead-in glands

Protection degree – IP54.

Overall dimensions	Name	Dimensions, mm										Article
		H	H1	D	D1	d	d1	d2	d3	d4		
	Gland d=20 mm (box port D 22 mm) white	14	2	22	27	20	14	11	4	–	YSA40-20-22-68-K01	
	Gland d=20 mm (box port D 22 mm) grey	14	2	22	27	20	14	11	4	–	YSA40-20-22-68-K41	
	Gland d=25 mm (box port D 27 mm) white	16	3,7	27	34	25	21	15	11	4	YSA40-25-27-68-K01	
	Gland d=25 mm (box port D 27 mm) grey	16	3,7	27	34	25	21	15	11	4	YSA40-25-27-68-K41	
	Gland d=25 mm (box port D 32 mm) white	15	1,5	32	36	25	20	15	11	5	YSA40-25-32-68-K01	
	Gland d=25 mm (box port D 32 mm) grey	15	1,5	32	36	25	20	15	11	5	YSA40-25-32-68-K41	
	Gland d=32 mm (box port D 37 mm) white	22	3,5	37	45	32	26	21	17	10	YSA40-32-37-68-K01-050	
	Gland d=32 mm (box port D 37 mm) grey	22	3,5	37	45	32	26	21	17	10	YSA40-32-37-68-K41-050	
	Gland d=40 mm (box port D 49 mm) white	21	2,4	49	54	40	31	26	18	11	YSA40-40-49-68-K01	
	Gland d=40 mm (box port D 49 mm) grey	21	2,4	49	54	40	31	26	18	11	YSA40-40-49-68-K41	



Screw terminal blocks, ZNI

Screw terminal blocks are used for safe and compact connection of phase, neutral and protective (ground) conductors of different diameters. Blocks are mounted on DIN rails. They make up a set with a marker to mark the number and ZNI side plugs.

Color: blue, grey, green.

Terminal clips may be plugged with a plastic plug of the corresponding size and color.

Screw terminal blocks are made of non-combustible polyamide of yellow-green (ground), blue (neutral), grey, green (phase) colors.



ZNI Screw terminal blocks assortment

Overall dimensions	Name	Maximum wire section, mm ²	Rated current, A	Dimensions, mm				PCS/PACKAGE	Article
				L	H	h	W		
	ZNI-2,5 grey	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 grey	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 grey	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 grey	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 grey	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 grey	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 grey	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 grey	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 grey							20	YZN10D-ZGL-006-K03
	ZNI-4 blue							20	YZN10D-ZGL-006-K07
	ZNI-10 grey							20	YZN10D-ZGL-010-K03
	ZNI-10 blue							20	YZN10D-ZGL-010-K07
	ZNI-16 grey							20	YZN10D-ZGL-016-K03
	ZNI-16 blue							20	YZN10D-ZGL-016-K07
	ZNI-35 grey							20	YZN10D-ZGL-035-K03
	ZNI-35 blue							20	YZN10D-ZGL-035-K07

Neutral bus bar

Neutral bus bars are used in power cabinets for connection of neutral operational (N) and neutral protective (PE) wires. Bus bars are connected in the center (types 8/1; 14/1) or at the edge (types 8/2; 14/2) through neutral bus insulator to 35 mm mounting DIN rail or through neutral bus corner insulators or directly to cabinet panel. It is recommended to use terminal tips when connecting copper multi-core wires to the bus bar. Material: brass.

Neutral bus bars with SHNI insulators are used for electrical or mechanical connection of neutral operational and neutral protective conductors. SHNI bus bars are made of brass bus bar mounted to plastic self-extinguishing insulator.

Normal operation conditions:

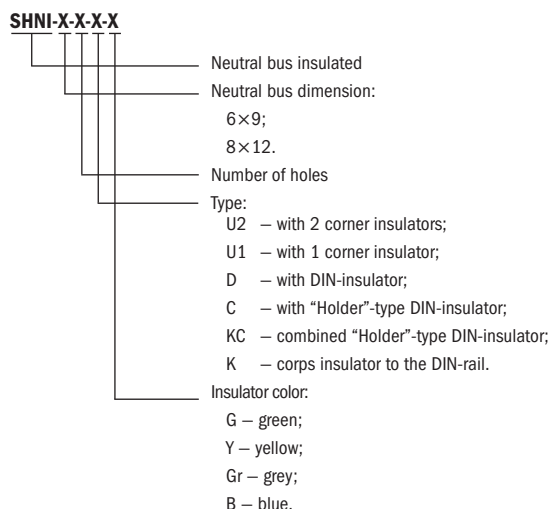
- Ambient temperature: –40...+50°C
- Average relative humidity: no more than 90%

Technical features

	Type	Holes diametr, mm		Peak current, A	Insulator type	Mounting type
		d1	d2			
	6×9 X/1	4	6	100	–	on insulator, spiral in the center
	8×12 X/1	5	7,5	125	–	on insulator, spiral in the center
	6×9 X/2	4	6	100	–	on insulator, spiral at the edge
	8×12 X/2	5	7,5	125	–	on insulator, spiral at the edge
	6×9 U1	4	6	100	one corner insulator	spiral
	6×9 U2	4	6	100	two corner insulators	spiral
	8×12 U2	5	7,5	125	two corner insulators	spiral
	8×12 KC	7	7	125	combined DIN insulator of "Stand" type	to DIN rail, spiral, to G rail
	6×9 C	5,5	5,5	100	DIN insulator of "Stand" type	to DIN rail
	6×9 K	5	5	100	corps DIN insulator	to DIN rail
	6×9 D	4	6	100	DIN insulator	to DIN rail
	8×12 D	5	7,5	125	DIN insulator	to DIN rail

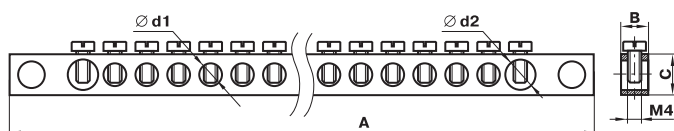


Scheme Neutral bus bar with insulators:



Range

Neutral bus bar without insulators



SPECIALTY

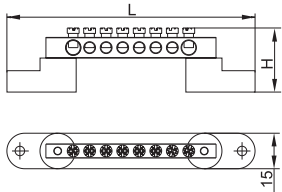
Name	Number of holes	Overall dimensions, mm			Screw	PCS/PACKAGE	Article
		A	B	C			
6×9 4/2	4	42	6	9	M4	10	YNN11-04-100
6×9 6/2	6	54	6	9	M4	10	YNN11-06-100
6×9 8/2	8	66	6	9	M4	10	YNN11-08-100
6×9 10/2	10	78	6	9	M4	10	YNN11-10-100
6×9 12/2	12	90	6	9	M4	10	YNN11-12-100
6×9 14/2	14	102	6	9	M4	10	YNN11-14-100
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



Name	Number of holes	Overall dimensions, mm			Screw	PCS/PACKAGE	Article
		A	B	C			
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
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 26/1*	24	242	8	12	M5	10	YNN21-26-125

Overall dimensions, mm	Name	Number of holes	L	H	Insulator color	PCS/PACKAGE	Article
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Neutral bus bar with 2 corner insulators



SPECIALTY

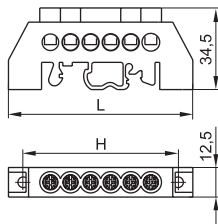
SHNI-6×9-4-U2-B	4	47	28,0	Blue	10	YNN10-69-4C2-K07
SHNI-6×9-6-U2-B	6	59	28,0	Blue	10	YNN10-69-6C2-K07
SHNI-6×9-8-U2-B	8	71	28,0	Blue	10	YNN10-69-8C2-K07
SHNI-6×9-10-U2-B	10	83	28,0	Blue	10	YNN10-69-10C2-K07
SHNI-6×9-12-U2-B	12	95	28,0	Blue	10	YNN10-69-12C2-K07
SHNI-6×9-14-U2-B	14	107	28,0	Blue	10	YNN10-69-14C2-K07
SHNI-6×9-16-U2-B	16	119	28,0	Blue	10	YNN10-69-16C2-K07
SHNI-6×9-18-U2-B	18	131	28,0	Blue	10	YNN10-69-18C2-K07
SHNI-6×9-20-U2-B	20	143	28,0	Blue	10	YNN10-69-20C2-K07
SHNI-6×9-22-U2-B	22	155	28,0	Blue	10	YNN10-69-22C2-K07
SHNI-6×9-24-U2-B	24	167	28,0	Blue	10	YNN10-69-24C2-K07
SHNI-6×9-4-U2-Y	4	47	28,0	Yellow	10	YNN10-69-4C2-K05
SHNI-6×9-6-U2-Y	6	59	28,0	Yellow	10	YNN10-69-6C2-K05
SHNI-6×9-8-U2-Y	8	71	28,0	Yellow	10	YNN10-69-8C2-K05
SHNI-6×9-10-U2-Y	10	83	28,0	Yellow	10	YNN10-69-10C2-K05
SHNI-6×9-12-U2-Y	12	95	28,0	Yellow	10	YNN10-69-12C2-K05
SHNI-6×9-14-U2-Y	14	107	28,0	Yellow	10	YNN10-69-14C2-K05
SHNI-6×9-16-U2-Y	16	119	28,0	Yellow	10	YNN10-69-16C2-K05
SHNI-6×9-18-U2-Y	18	131	28,0	Yellow	10	YNN10-69-18C2-K05
SHNI-6×9-20-U2-Y	20	143	28,0	Yellow	10	YNN10-69-20C2-K05
SHNI-6×9-22-U2-Y	22	155	28,0	Yellow	10	YNN10-69-22C2-K05
SHNI-6×9-24-U2-Y	24	167	28,0	Yellow	10	YNN10-69-24C2-K05
SHNI-8×12-4-U2-B	4	54	32,0	Blue	10	YNN10-812-4C2-K07
SHNI-8×12-6-U2-B	6	68	29,3	Blue	10	YNN10-812-6C2-K07

* For UNIVERSAL series cases



Overall dimensions, mm	Name	Number of holes	L	H	Insulator color	PCS/PACKAGE	Article
	SHNI-8×12-8-U2-B	8	82	29,3	Blue	10	YNN10-812-8C2-K07
	SHNI-8×12-10-U2-B	10	96	29,3	Blue	10	YNN10-812-10C2-K07
	SHNI-8×12-12-U2-B	12	110	29,3	Blue	10	YNN10-812-12C2-K07
	SHNI-8×12-14-U2-B	14	124	29,3	Blue	10	YNN10-812-14C2-K07
	SHNI-8×12-16-U2-B	16	138	29,3	Blue	10	YNN10-812-16C2-K07
	SHNI-8×12-18-U2-B	18	152	29,3	Blue	10	YNN10-812-18C2-K07
	SHNI-8×12-20-U2-B	20	166	29,3	Blue	10	YNN10-812-20C2-K07
	SHNI-8×12-22-U2-B	22	180	29,3	Blue	10	YNN10-812-22C2-K07
	SHNI-8×12-24-U2-B	24	194	29,3	Blue	10	YNN10-812-24C2-K07
	SHNI-8×12-4-U2-Y	4	54	29,3	Yellow	10	YNN10-812-4C2-K05
	SHNI-8×12-6-U2-Y	6	68	29,3	Yellow	10	YNN10-812-6C2-K05
	SHNI-8×12-8-U2-Y	8	82	29,3	Yellow	10	YNN10-812-8C2-K05
	SHNI-8×12-10-U2-Y	10	96	29,3	Yellow	10	YNN10-812-10C2-K05
	SHNI-8×12-12-U2-Y	12	110	29,3	Yellow	10	YNN10-812-12C2-K05
	SHNI-8×12-14-U2-Y	14	124	29,3	Yellow	10	YNN10-812-14C2-K05
	SHNI-8×12-16-U2-Y	16	138	29,3	Yellow	10	YNN10-812-16C2-K05
	SHNI-8×12-18-U2-Y	18	152	29,3	Yellow	10	YNN10-812-18C2-K05
	SHNI-8×12-20-U2-Y	20	166	29,3	Yellow	10	YNN10-812-20C2-K05
	SHNI-8×12-22-U2-Y	22	180	29,3	Yellow	10	YNN10-812-22C2-K05
	SHNI-8×12-24-U2-Y	24	194	29,3	Yellow	10	YNN10-812-24C2-K05

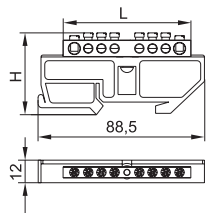
Neutral bus bar in combined "Holder"-type DIN-insulator



SPECIALTY

SHNI-8×12-6-KS-B	6	78	66	Blue	20	YNN10-812-6DP-K07
SHNI-8×12-8-KS-B	8	95	83	Blue	20	YNN10-812-8DP-K07
SHNI-8×12-10-KS-B	10	112	100	Blue	20	YNN10-812-10DP-K07
SHNI-8×12-12-KS-B	12	129	117	Blue	20	YNN10-812-12DP-K07
SHNI-8×12-14-KS-B	14	146	134	Blue	20	YNN10-812-14DP-K07
SHNI-8×12-16-KS-B	16	163	151	Blue	20	YNN10-812-16DP-K07
SHNI-8×12-6-KS-Y	6	78	66	Yellow	20	YNN10-812-6DP-K05
SHNI-8×12-8-KS-Y	8	95	83	Yellow	20	YNN10-812-8DP-K05
SHNI-8×12-10-KS-Y	10	112	100	Yellow	20	YNN10-812-10DP-K05
SHNI-8×12-12-KS-Y	12	129	117	Yellow	20	YNN10-812-12DP-K05
SHNI-8×12-14-KS-Y	14	146	134	Yellow	20	YNN10-812-14DP-K05
SHNI-8×12-16-KS-Y	16	163	151	Yellow	20	YNN10-812-16DP-K05

Neutral bus bar with DIN-insulator



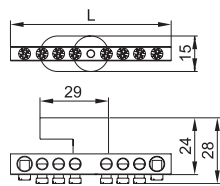
SPECIALTY

SHNI-6×9-4-D-B	4	42	42,0	Blue	20	YNN10-69-4D-K07
SHNI-6×9-6-D-B	6	54	42,0	Blue	20	YNN10-69-6D-K07
SHNI-6×9-8-D-B	8	66	42,0	Blue	20	YNN10-69-8D-K07
SHNI-6×9-10-D-B	10	78	42,0	Blue	20	YNN10-69-10D-K07
SHNI-6×9-12-D-B	12	90	42,0	Blue	20	YNN10-69-12D-K07
SHNI-6×9-14-D-B	14	103	42,0	Blue	20	YNN10-69-14D-K07
SHNI-6×9-16-D-B	16	116	42,0	Blue	20	YNN10-69-16D-K07
SHNI-6×9-18-D-B	18	129	42,0	Blue	20	YNN10-69-18D-K07
SHNI-6×9-20-D-B	20	142	42,0	Blue	20	YNN10-69-20D-K07
SHNI-6×9-22-D-B	22	155	42,0	Blue	20	YNN10-69-22D-K07
SHNI-6×9-24-D-B	24	168	42,0	Blue	20	YNN10-69-24D-K07
SHNI-8×12-4-D-B	4	49	45,4	Blue	20	YNN10-812-4D-K07
SHNI-8×12-6-D-B	6	63	45,4	Blue	20	YNN10-812-6D-K07
SHNI-8×12-8-D-B	8	77	45,4	Blue	20	YNN10-812-8D-K07
SHNI-8×12-10-D-B	10	91	45,4	Blue	20	YNN10-812-10D-K07
SHNI-8×12-12-D-B	12	102	45,4	Blue	20	YNN10-812-12D-K07



Overall dimensions, mm	Name	Number of holes	L	H	Insulator color	PCS/PACKAGE	Article
	SHNI-8×12-14-D-B	14	117	45,4	Blue	20	YNN10-812-14D-K07
	SHNI-8×12-16-D-B	16	132	45,4	Blue	20	YNN10-812-16D-K07
	SHNI-8×12-18-D-B	18	147	45,4	Blue	20	YNN10-812-18D-K07
	SHNI-8×12-20-D-B	20	162	45,4	Blue	20	YNN10-812-20D-K07
	SHNI-8×12-22-D-B	22	177	45,4	Blue	20	YNN10-812-22D-K07
	SHNI-8×12-24-D-B	24	192	45,4	Blue	20	YNN10-812-24D-K07
	SHNI-6×9-4-D-Y	4	42	42,0	Yellow	20	YNN10-69-4D-K05
	SHNI-6×9-6-D-Y	6	54	42,0	Yellow	20	YNN10-69-6D-K05
	SHNI-6×9-8-D-Y	8	66	42,0	Yellow	20	YNN10-69-8D-K05
	SHNI-6×9-10-D-Y	10	78	42,0	Yellow	20	YNN10-69-10D-K05
	SHNI-6×9-12-D-Y	12	90	42,0	Yellow	20	YNN10-69-12D-K05
	SHNI-6×9-14-D-Y	14	103	42,0	Yellow	20	YNN10-69-14D-K05
	SHNI-6×9-16-D-Y	16	116	42,0	Yellow	20	YNN10-69-16D-K05
	SHNI-6×9-18-D-Y	18	129	42,0	Yellow	20	YNN10-69-18D-K05
	SHNI-6×9-20-D-Y	20	142	42,0	Yellow	20	YNN10-69-20D-K05
	SHNI-6×9-22-D-Y	22	155	42,0	Yellow	20	YNN10-69-22D-K05
	SHNI-6×9-24-D-Y	24	168	42,0	Yellow	20	YNN10-69-24D-K05
	SHNI-8×12-4-D-Y	4	49	45,4	Yellow	20	YNN10-812-4D-K05
	SHNI-8×12-6-D-Y	6	63	45,4	Yellow	20	YNN10-812-6D-K05
	SHNI-8×12-8-D-Y	8	77	45,4	Yellow	20	YNN10-812-8D-K05
	SHNI-8×12-10-D-Y	10	91	45,4	Yellow	20	YNN10-812-10D-K05
	SHNI-8×12-12-D-Y	12	102	45,4	Yellow	20	YNN10-812-12D-K05
	SHNI-8×12-14-D-Y	14	117	45,4	Yellow	20	YNN10-812-14D-K05
	SHNI-8×12-16-D-Y	16	132	45,4	Yellow	20	YNN10-812-16D-K05
SHNI-8×12-18-D-Y	18	147	45,4	Yellow	20	YNN10-812-18D-K05	
SHNI-8×12-20-D-Y	20	162	45,4	Yellow	20	YNN10-812-20D-K05	
SHNI-8×12-22-D-Y	22	177	45,4	Yellow	20	YNN10-812-22D-K05	
SHNI-8×12-24-D-Y	24	192	45,4	Yellow	20	YNN10-812-24D-K05	

Neutral bus bar with one corner insulator



SPECIALTY

SHNI-6×9-4-U1-B	4	38	Blue	10	YNN10-69-4C1-K07
SHNI-6×9-6-U1-B	6	51	Blue	10	YNN10-69-6C1-K07
SHNI-6×9-8-U1-B	8	64	Blue	10	YNN10-69-8C1-K07
SHNI-6×9-10-U1-B	10	77	Blue	10	YNN10-69-10C1-K07
SHNI-6×9-12-U1-B	12	90	Blue	10	YNN10-69-12C1-K07
SHNI-6×9-14-U1-B	14	103	Blue	10	YNN10-69-14C1-K07
SHNI-6×9-16-U1-B	16	116	Blue	10	YNN10-69-16C1-K07
SHNI-6×9-18-U1-B	18	129	Blue	10	YNN10-69-18C1-K07
SHNI-6×9-20-U1-B	20	142	Blue	10	YNN10-69-20C1-K07
SHNI-6×9-22-U1-B	22	155	Blue	10	YNN10-69-22C1-K07
SHNI-6×9-24-U1-B	24	168	Blue	10	YNN10-69-24C1-K07
SHNI-6×9-4-U1-Y	4	38	Yellow	10	YNN10-69-4C1-K05
SHNI-6×9-6-U1-Y	6	51	Yellow	10	YNN10-69-6C1-K05
SHNI-6×9-8-U1-Y	8	64	Yellow	10	YNN10-69-8C1-K05
SHNI-6×9-10-U1-Y	10	77	Yellow	10	YNN10-69-10C1-K05
SHNI-6×9-12-U1-Y	12	90	Yellow	10	YNN10-69-12C1-K05
SHNI-6×9-14-U1-Y	14	103	Yellow	10	YNN10-69-14C1-K05
SHNI-6×9-16-U1-Y	16	116	Yellow	10	YNN10-69-16C1-K05
SHNI-6×9-18-U1-Y	18	129	Yellow	10	YNN10-69-18C1-K05
SHNI-6×9-20-U1-Y	20	142	Yellow	10	YNN10-69-20C1-K05
SHNI-6×9-22-U1-Y	22	155	Yellow	10	YNN10-69-22C1-K05
SHNI-6×9-24-U1-Y	24	168	Yellow	10	YNN10-69-24C1-K05



Overall dimensions, mm	Name	Number of holes L	H	Insulator color	PCS/PACKAGE	
Neutral bus bar with "Holder"-type DIN-insulator						
	SHNI-6×9-8-C-B	8	59	Blue	10	YNN10-69-8P-K07
	SHNI-6×9-10-C-B	10	72	Blue	10	YNN10-69-10P-K07
	SHNI-6×9-12-C-B	12	85	Blue	10	YNN10-69-12P-K07
	SHNI-6×9-14-C-B	14	98	Blue	10	YNN10-69-14P-K07
	SPECIALTY SHNI-6×9-8-C-Y	8	59	Yellow	10	YNN10-69-8P-K05
	SPECIALTY SHNI-6×9-10-C-Y	10	72	Yellow	10	YNN10-69-10P-K05
	SPECIALTY SHNI-6×9-12-C-Y	12	85	Yellow	10	YNN10-69-12P-K05
	SPECIALTY SHNI-6×9-14-C-Y	14	98	Yellow	10	YNN10-69-14P-K05
Neutral bus bar in corps insulator to the DIN-rail						
	SHNI-6×9-8-K-G	8	62	Green	10	YNN10-69-8KD-K06
	SHNI-6×9-10-K-G	10	75	Green	10	YNN10-69-10KD-K06
	SHNI-6×9-12-K-G	12	88	Green	10	YNN10-69-12KD-K06
	SHNI-6×9-14-K-G	14	101	Green	10	YNN10-69-14KD-K06
	SHNI-6×9-16-K-G	16	114	Green	10	YNN10-69-16KD-K06
	SPECIALTY SHNI-6×9-8-K-B	8	62	Blue	10	YNN10-69-8KD-K07
	SPECIALTY SHNI-6×9-10-K-B	10	75	Blue	10	YNN10-69-10KD-K07
	SPECIALTY SHNI-6×9-12-K-B	12	88	Blue	10	YNN10-69-12KD-K07
	SPECIALTY SHNI-6×9-14-K-B	14	101	Blue	10	YNN10-69-14KD-K07
	SPECIALTY SHNI-6×9-16-K-B	16	114	Blue	10	YNN10-69-16KD-K07
	SHNI-6×9-8-K-Gr	8	62	Gray	10	YNN10-69-8KD-K02
	SHNI-6×9-10-K-Gr	10	75	Gray	10	YNN10-69-10KD-K02
	SHNI-6×9-12-K-Gr	12	88	Gray	10	YNN10-69-12KD-K02
	SHNI-6×9-14-K-Gr	14	101	Gray	10	YNN10-69-14KD-K02
	SHNI-6×9-16-K-Gr	16	114	Gray	10	YNN10-69-16KD-K02

Encapsulated neutral bus bar

Bus bars are made of high quality brass. Insulating rear panel and transparent cover are made of self-extinguishing plastic material.

These bus bars are used in power cabinets for connection of neutral wire (neutral operational bus), ground cable and phase conductors.

Installation modes:

- The bus bar may be mounted to 35 mm DIN rail;
- The bus bar may be mounted to the cabinet panel using two screws.

Each bus bar is insulated.

Cross-modules are made with two or four bus bars withholding 100 and 125 A current.

Technical features

Description	Peak current, A	Conductor section, mm ²		Number of ports and their diameter
		with terminal tip	without terminal tip	
Neutral N-bus bar for DIN rail, encapsulated 2×7 IEK	100	1,5–6,0	1,5–6,0	5 × Ø5,3 mm
		6,0–16,0	6,0–16	2 × Ø7,5 mm
Neutral N-bus bar for DIN rail, encapsulated 2×15 IEK	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
Neutral N-bus bar for DIN rail, encapsulated 4×7 IEK	100	1,5–6,0	2,5–6,0	5 × Ø5,3 mm
		6,0–16	10,0–25,0	2 × Ø7,5 mm
Neutral N-bus bar for DIN rail, encapsulated 4×11 IEK	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
Neutral N-bus bar for DIN rail, encapsulated 4×15 IEK	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

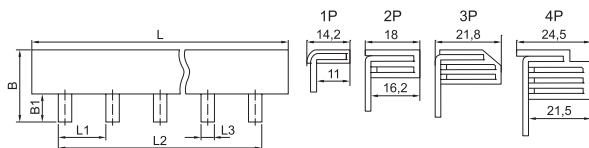
Overall dimensions		Description	A, mm	PCS/PACKAGE	Article
		Neutral N-bus bar for DIN rail, encapsulated 2×7 IEK	65	50	YND10-2-07-100
		Neutral N-bus bar for DIN rail, encapsulated 2×15 IEK	132	50	YND10-2-15-125
		Neutral N-bus bar for DIN rail, encapsulated 4×7 IEK	65	50	YND10-4-07-100
		Neutral N-bus bar for DIN rail, encapsulated 4×11 IEK	100	50	YND10-4-11-125
		Neutral N-bus bar for DIN rail, encapsulated 4×15 IEK	132	50	YND10-4-15-125

Bridging bars

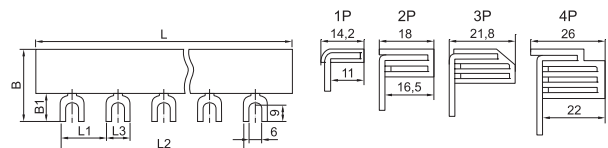
Применяются для удобного и безопасного соединения групп: ВА (выключатели автоматические), АД (автоматы дифференциальные), ВД (выключатели дифференциальные), ВН (выключатели нагрузки). Шины с шагом 18 мм предназначены для коммутации аппаратуры шириной, кратной одному модулю, шины с шагом 27 мм предназначены для коммутации изделий шириной, кратной полутора модулям. Шины, рассчитанные на номинальный ток 100 А, могут быть использованы с номинальным током 125 А, если вводной автомат подключать по центру. Для полумодульных шин имеются боковые заглушки.

Range

PIN 63 A

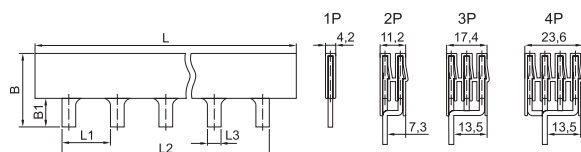


FORK 63 A

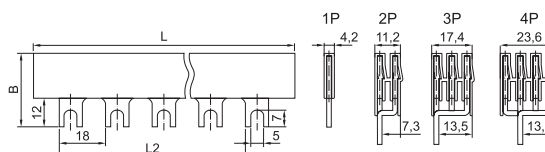






	Description	Rated current, A	Maximum of connected units, pcs.	Dimensions, mm						Article
				L	L1	L2	L3	B	B1	
	PIN 1P 63 A intr. 18 mm IEK	63	53	1000	18	936	5,5	13,9	9,5	YNS21-1-063
	PIN 2P 63 A intr. 18 mm IEK	63	54	1000	18	954	5,5	20,2	11	YNS21-2-063
	PIN 3P 63 A intr. 18 mm IEK	63	54	1000	18	954	5,5	22,3	11,5	YNS21-3-063
	PIN 4P 63 A intr. 18 mm IEK	63	52	1000	18	918	5,5	28,3	12	YNS21-4-063
	FORK 1P 63 A intr. 18 mm IEK	63	54	1000	18	954	11	15,4	11	YNS11-1-063
	FORK 2P 63 A intr. 18 mm IEK	63	54	1000	18	954	11	21,7	12,5	YNS11-2-063
	FORK 3P 63 A intr. 18 mm IEK	63	54	1000	18	954	11	22,8	11,5	YNS11-3-063
	FORK 4P 63 A intr. 18 mm IEK	63	52	1000	18	918	12	29,8	13,5	YNS11-4-063

PIN 100 A




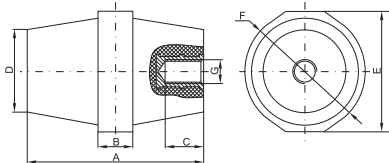
FORK 100 A



Description	Rated current, A	Maximum of connected units, pcs.	Dimensions, mm							Article
			L	L1	L2	L3	B	B1		
 PIN 1P 100 A intr. 18 mm IEK	100 (125*)	54	1000	18	954	5	30,5	12	YNS21-1-100	
PIN 2P 100 A intr. 18 mm IEK	100 (125*)	54	1000	18	954	5	37,5	12	YNS21-2-100	
PIN 3P 100 A intr. 18 mm IEK	100 (125*)	54	1000	18	954	5	37,5	12	YNS21-3-100	
PIN 4P 100 A intr. 18 mm IEK	100 (125*)	56	1030	18	990	6	37,5	12	YNS21-4-100	
 PIN 1P 100 A intr. 27 mm IEK	100 (125*)	37	1000	27	972	7,5	38,5	20	YNS51-1-100	
PIN 2P 100 A intr. 27 mm IEK	100 (125*)	36	1000	27	945	7,5	46,2	12	YNS51-2-100	
PIN 3P 100 A intr. 27 mm IEK	100 (125*)	36	1000	27	945	7,5	46,2	12	YNS51-3-100	
PIN 4P 100 A intr. 27 mm IEK	100 (125*)	36	1030	27	945	7,5	46,2	12	YNS51-4-100	
 FORK 1P 100 A intr. 18 mm IEK	100 (125*)	54	1000	18	954	9	30,5	12	YNS11-1-100	
FORK 2P 100 A intr. 18 mm IEK	100 (125*)	54	1000	18	954	9	37,5	12	YNS11-2-100	
FORK 3P 100 A intr. 18 mm IEK	100 (125*)	54	1000	18	954	9	37,5	12	YNS11-3-100	
FORK 4P 100 A intr. 18 mm IEK	100 (125*)	56	1030	18	990	9	37,5	12	YNS11-4-100	
 PIN 1P 100 A plug intr. 27 mm IEK									YNK51-1-100	
PIN 2P 100 A plug intr. 27 mm IEK									YNK51-2-100	
PIN 3P 100 A plug intr. 27 mm IEK									YNK51-3-100	
PIN 4P 100 A plug intr. 27 mm IEK									YNK51-4-100	

SM bus bar insulator

Insulators are used to connect conductive bus bars inside power cases and installations in order to fix and isolate conductive parts from case and panels and to connect power conductors for power distribution inside the case. One side of the insulator is bolted to the mounting panel or body of the case, the other side is connected to the conductive bus bar. Each bus bar is mounted with at least two insulators (end insulators). Intermediate insulators may also be used (depending upon the scheme and bus bar length).

Overall dimensions	Description	Dimensions, mm						Central female thread diameter	Article
		A	B	C	D	E	F		
	SM25 power insulator H25×D27×M6 mm	25	9	9	25	30	30	M6	YIS11-25-06
	SM30 power insulator H30×D27×M8 mm	30	10	10	25	32	32	M8	YIS11-30-08
	SM35 power insulator H35×D32×M8 mm	35	10	12	28	32	32	M8	YIS11-35-10
	SM40 power insulator H40×D40×M8 mm	40	12	12	34	41	41	M8	YIS11-40-12
	SM51 power insulator H51×D35×M8 mm	51	12	12	30	36	36	M8	YIS11-51-15
	SM76 power insulator H76×D50×M10 mm	76	14	16	36	50	50	M10	YIS11-76-25

* Bus bars may be connected with 125 A current if lead-in unit is used in the center.



Neutral bus bar insulators

Insulators are used for neutral bus bars installation. Material: Non-combustible polypropylene.

	Overall dimensions	Description	Article
		DIN insulator, yellow	YIS21
		DIN insulator, blue	YIS22
		Neutral bus bar angle insulator, yellow	YIS31
		Neutral bus bar angle insulator, blue	YIS32

12-module plugs

	Description	Article
	12 module plug, grey	YZM10-12
	12 module plug, white	YZM10-12-K01

Electric distribution panel plastic glass

	Description	Overall dimensions, mm	Article
	Electric distribution panel plastic glass, 103,5×79 mm	103,5×79	YWN11
	Electric distribution panel plastic glass, 109,5×71,3 mm	109,5×71,3	YWN12

DIN rail and DIN rail clip

	Overall dimensions	Description	L, mm	a, mm	b, mm	n, шт.	PCS/PACKAGE	Article
		DIN rail (10 cm) zinc-plated	100	7	40	2	50	YDN10-00100
		DIN rail (13 cm) zinc-plated	130	7	30	3	50	YDN10-0013
		DIN rail (20 cm) zinc-plated	200	7	40	4	50	YDN10-0020
		DIN rail (25 cm) zinc-plated	250	7	40	5	50	YDN10-0025
		DIN rail (30 cm) zinc-plated	300	6,5	20	10	50	YDN10-0030
		DIN rail (60 cm) zinc-plated	600	6,5	20	20	20	YDN10-0060
		DIN rail (125 cm) zinc-plated	1250	6,5	20	41	20	YDN10-0125
	Description		PCS/PACKAGE	PCS/CTN	Article			
	DIN rail clip (metal) IEK		150	900	YXD10			



Locks with the metal keys

Locks with the metal keys are made of chrome-plated steel. Keys are made of nickel-clad steel. Locks are used to lock power installations and cases for unauthorized access and dust/moist penetration protection.

Range

	Description	PCS/ PACKAGE	PCS/ CTN	Article
	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 lock for metal box	15	300	YZK20-00
	Latch lock with triangular key IP54 22-25/44	6	300	YZK21-00

Overall dimensions

Description	Dimensions, mm									
	B	B1	D	D1	H	H1	H2	H3	L	
	16	16	22,5	18	28	5	7 max	18,8	34	
	15	16,5	22	18	32,5	5	12 max	20,8	40	
	17	19	36	22	28	3	5 max	20	40	
	17	19	36	22	28	3	5 max	20	48	
	19	20	28	22	47	21	6 max	17	46	
	20	20	28	22	31	4	8 max	25	44	