



RADE KONČAR
KONTAKTORI I RELEI D.O.O.



METER BOXES

CERTIFICATE

GREEN ORIENTED COMPANY



APPROVALS/ STANDARDS



*** DEPENDING ON OUR CONSUMERS NEEDS, WE MANUFACTURE BOXES OF EVERY DIMENSION !!!

• METAL METER BOXES FOR DIRECT METERING

- mounting on wall
- mounting on pillar

Special meter boxes are used in LV networks that require greater mechanical resistance of boxes, mostly for outdoor mounting on pillar and on wall. They are made according to the standard EN 60439 and other norms that are pertaining to these types of boxes. Meter box is equipped with alarm equipment at the opening door.

Material: Galvanized metal sheets that are electrostatic painted with epoxy powder, with colour that is resistant to the external atmospheric influence. Standard shade in our use is RAL 7035 (other colours are available on request).

Degree of protection is IP43 according to EN 60529.

Meter boxes are supplied with complete equipment for fastening.

• POLYESTER METER BOXES FOR DIRECT METERING

- mounting on wall
- mounting on pillar

Polyester meter boxes are used in LV networks, mostly for outdoor mounting on pillar and on/in wall. They are made according to the standard EN 60439 and other norms that are pertaining to these types of boxes.

Material: Polyester with glass fibres, low flammable, self-extinguishing, resistant to Atmospheric influence (UV), colour shade RAL 7035. Surface of the cabinet can be smooth or ribbed anti-poster.

Degree of protection IP43, IK 10 Category of flammability FH2-7mm.

- Specification Table of metal and polyester boxes for direct metering

Type	Dimensions (mm)	No. of met. places	Current up to 63A	Main fuse	Mounting
MRO-MW1 metal	300 x 250 x 150	1	1	63A	on wall
MRO-MP1 metal	300 x 250 x 150	1	1	63A	on pillar
MRO-MW2 metal	300 x 400 x 200	1	1	63A	on wall
MRO-MP2 metal	300 x 400 x 200	1	1	63A	on pillar
MRO-MW3 metal	400 x 400 x 200	1	1	63A	on wall
MRO-MP3 metal	400 x 400 x 200	1	1	63A	on pillar
MRO-MW4 metal	500 x 500 x 300	1	1	63A	on wall
MRO-MP4 metal	500 x 500 x 300	1	1	63A	on pillar
MRO-MW5 metal	700 x 500 x 300	1	1	63A	on wall
MRO-MP5 metal	700 x 500 x 300	1	1	63A	on pillar
MRO-PW1 polyester	300 x 250 x 150	1	1	63A	on wall
MRO-PP1 polyester	300 x 250 x 150	1	1	63A	on pillar
MRO-PW2 polyester	300 x 400 x 200	1	1	63A	on wall
MRO-PP2 polyester	300 x 400 x 200	1	1	63A	on pillar
MRO-PW3 polyester	400 x 400 x 200	1	1	63A	on wall
MRO-PP3 polyester	400 x 400 x 200	1	1	63A	on pillar
MRO-PW4 polyester	500 x 500 x 300	1	1	63A	on wall
MRO-PP4 polyester	500 x 500 x 300	1	1	63A	on pillar
MRO-PW5 polyester	700 x 500 x 300	1	1	63A	on wall
MRO-PP5 polyester	700 x 500 x 300	1	1	63A	on pillar



• **METAL DISTRIBUTION BOXES FOR STREET LIGHTING**

Meter distribution boxes for street lighting are used in LV networks for outdoor mounting on fundament. They are made according to the standard EN 60439 and other norms that are pertaining to these types of boxes. Material: Polyester with glass fibres, low flammable, self-extinguishing, or galvanized metal sheets that are electrostatic painted with epoxy powder, with colour that is resistant to the external atmospheric influence. Standard shade in our use is RAL 7035 (other colours are available on request). Degree of protection is IP43 according to EN 60529.

They are five types of street lighting boxes which are different by number and type of feeders, as well as type of measurement.

Type	Dimensions (mm)	Rated current (A)	Measure (kWh)
MRO-SL A metal	740 x 740 x 330	63	direct
MRO-SL A polyester	795 x 620 x 245	63	direct
MRO-SL B1 metal	740 x 1050 x 330	63	direct
MRO-SL B1 polyester	795 x 1040 x 245	63	direct
MRO-SL B2 metal	545 x 1050 x 300	100	-
MRO-SL B2 polyester	528 x 1040 x 245	100	-
MRO-SL C1 metal	740 x 1050 x 330	63	direct
MRO-SL C1 polyester	795 x 1040 x 245	63	direct
MRO-SL C2 metal	545 x 1050 x 300	160	-
MRO-SL C2 polyester	528 x 1040 x 245	160	-



• **POWER FACTOR CORRECTION BOXES (AKRE)**

This type of electrical boxes have a metal case and they are prepared for a standing mounting position with a low voltage switch MCCB built-in as a standard mode.

AKRE capacitors banks with built-in circuit breaker, assembly filled and wired in an IP 31.

- Rated Voltage: 400V, 50Hz
- Admissible working voltage range for the capacitors: 380 - 440V
- Regulation Voltage: 230V, 50Hz

- Temperature class: Operation -10/+45°C, Storage -30/+60°C
- Ventilation: natural
- Colour grey cabinet (RAL 7035)
- Tolerance: 1,1xUn & 1,3-1,5xIe
- Mechanical protection: IP31
- Standards: EN 60439-1, IEC 60439-1 and 2

Automatic Power Factor correction unit from 15 to 65 kVar/440V



Type	Power (kVar)	Voltage (V)	Steps	Dimensions WxHxD
AKRE 15/440	15	440	5 + 5 + 5	600x900x280
AKRE 20/440	20	440	5 + 5 + 10	600x900x280
AKRE 25/440	25	440	5 + 10 + 10	600x900x280
AKRE 30/440	30	440	5 + 10 + 15	600x900x280
AKRE 35/440	35	440	5 + 10 + 20	600x900x280
AKRE 40/440	40	440	10 + 10 + 20	600x900x280
AKRE 50/440	50	440	10 + 20 + 20	600x900x280
AKRE 65/440	65	440	10 + 15 + 20 + 20	600x900x280

Automatic Power Factor correction unit from 75 to 160 kVar/440V



Type	Power (kVar)	Voltage (V)	Steps	Dimensions WxHxD
AKRE 75/440	75	440	12,5+12,5+25+25	700x1200x300
AKRE 80/440	80	440	10+10+25+20+20	700x1200x300
AKRE 90/440	90	440	10+20+20+20+20	700x1200x300
AKRE 100/440	100	440	20+20+20+20+20	700x1200x300
AKRE 125/440	125	440	25+25+25+25+25	700x1200x300
AKRE 150/440	150	440	10 + 7 x 20	700x1200x300
AKRE 160/440	160	440	8x20	700x1200x300

Automatic Power Factor correction unit from 175 to 300kVar/440V



Type	Power (kVar)	Voltage (V)	Steps	Dimensions WxHxD
AKRE 175/440	175	440	3x25+2x50	680x2150x430
AKRE 200/440	200	440	4x25+2x50	680x2150x430
AKRE 225/440	225	440	3x25+3x50	680x2150x430
AKRE 250/440	250	440	2x25+4x50	680x2150x430
AKRE 275/440	275	440	25+5x50	680x2150x430
AKRE 300/440	300	440	2x25 +57x 50	680x2150x430

Automatic Power Factor correction unit from 325 to 420kVar/440V

Type	Power (kVar)	Voltage (V)	Steps	Dimensions WxHxD
AKRE 325/440	325	440	3x25+5x50	900x2150x430
AKRE 350/440	350	440	2x25+6x50	900x2150x430
AKRE 375/440	375	440	3x25+6x50	900x2150x430
AKRE 380/440	380	440	2x20+4x40+3x60	900x2150x430
AKRE 400/440	400	440	20+5x40+3x60	900x2150x430
AKRE 420/440	420	440	6x40 +3x 60	900x2150x430

Automatic Power Factor correction unit from 450 to 660kVar/ 440V



Type	Power (kVar)	Voltage (V)	Steps	Dimensions WxHxD
AKRE 450/440	450	440	2x25+8x50	1400x2150x430
AKRE 500/440	500	440	4x25+8x50	1400x2150x430
AKRE 550/440	550	440	2x25+10x50	1400x2150x430
AKRE 600/440	600	440	12x50	1400x2150x430
AKRE 660/440	660	440	12x60	1400x2150x430



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