TYPE: K-M63.80A

TYPE: Module element
APPLICATION: An application-correct M63.80A measuring module with earthed, surface-mounted design
APPLICATION: Interior (B)
HOW TO CONNECT: Overhead line (SZ) / Cable (K) /
DIMENSIONS: (750 x 450 x 177 [mm]).
LOCATION: Surface mounted

outline draw

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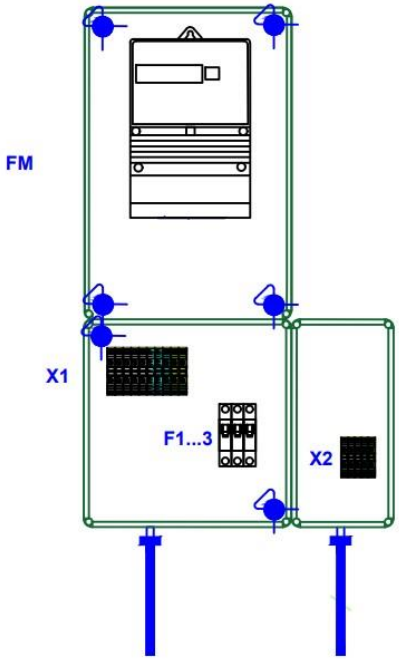
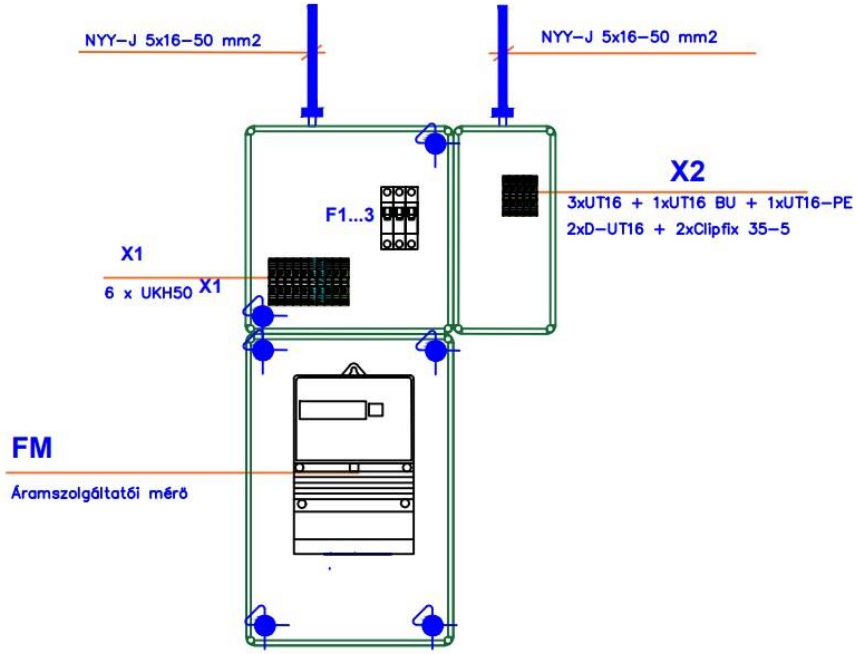
Alsó csatlakozás esetén



Felső csatlakozás esetén



Megjegyzés:

Plombálás helye

Felirati táblák (gravírozott)

1– MSZ 453 villámjel (2.sz. fedélre)

Szekrények :

1. Mi 72 431–0 elektronikus mérős, plombálható fedéllel
2. Mi 70 101 + 1 Ast
3. Mi 70 201 + 1 Ast + plombálható fedéllel

LIST OF MATERIALS

Consumption meter box + Mounting plate for 1 PVT3045 1 or 3 phase meter

Junction box for unmatched supply and limiters 1 PVT3030 10mm2-25mm2 with internal wiring	1	PVT3045	For 1 or 3 phase meter
Junction box for measured outgoing terminals 1 PVT3015 with 10mm2-25mm2 internal wiring	1	PVT3030	With 10mm2-25mm2 internal wiring
Sheathed branch terminal for phase conductors of 3 WPE 230 50mm2 risers	1	PVT3015	With 10mm2-25mm2 internal wiring
Sheathed branch terminal blue 1 for WPE 230 50mm2 riser N, for conductor	3	WPE 230 50mm2	for ascending mains phase conductors
Sheathed branch terminal green / yellow for PE conductor 1 WPE 230 50mm2 riser	1	WPE 230 50mm2	to the conductor of the take-off main line N
WDU 16mm2 gray terminal block 3 WDU 16 measured output	1	WPE 230 50mm2	to the PE conductor of the take-off main
WDU 16mm2 blue terminal block 1 WDU 16 measured output	3	WDU 16	measured passing
WPE 16mm2Green / yellow terminal block 1 WPE 16 measured output	1	WDU 16	measured passing
Gland 1	1	WPE 16	measured passing
Steel wire 1 for exclusive custody	1		
LIST OF MATERIALS: (Provide detailed material list itemized with type designation, commented if necessary)	1		exclusive custody

NOTES: Tightening torque for through terminals max: 6 Nm

LAYOUT WITH SEALING PLACES

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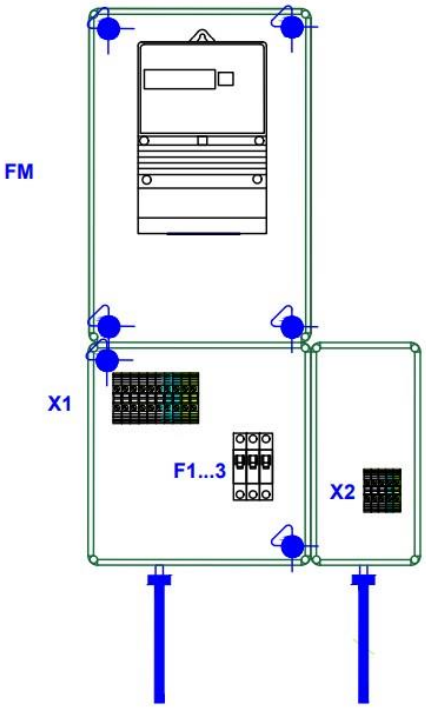
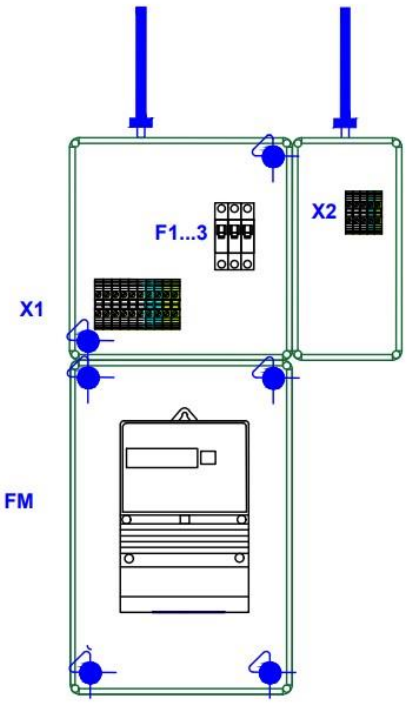
Alsó csatlakozás esetén

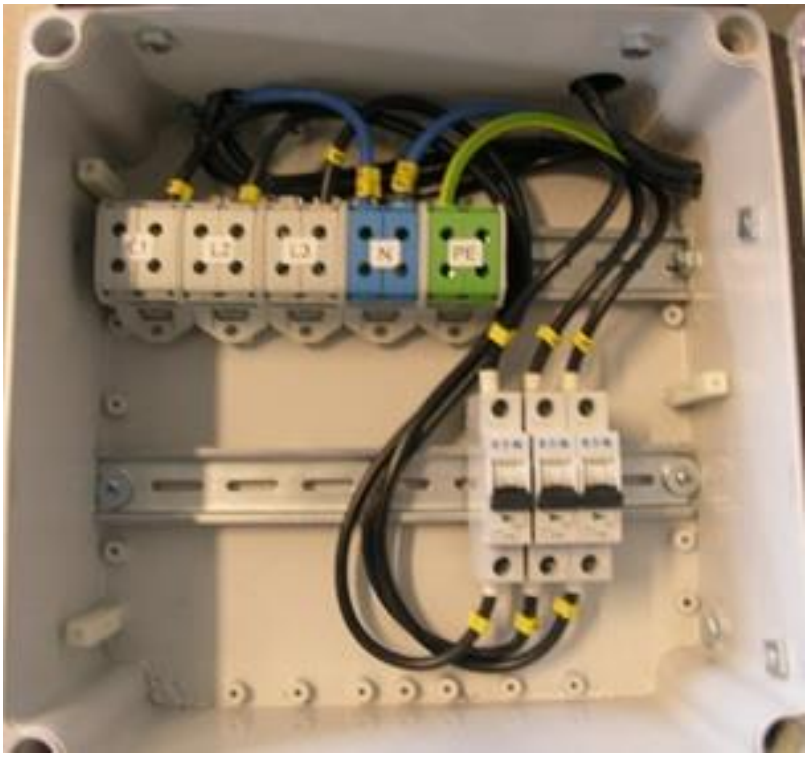


Felső csatlakozás esetén



THE MEASURING AREA

CONNECTING SPACE



Méretek:

	interior	exterior
hihg [mm]	720	750
width [mm]	400	450
depth [mm]	150	170

Connection method: Ground cable (F)

Cabinet material: fiberglass polyethylene

Total weight: 7.5 kg

Color: RAL 7030
Cabinet interior: Direct TCS1 (1T measurement)
Built-in devices: PVT3045, PVT3030, PVT3015

Csatári 300*450 junction box	1	PVT3045	
Csatári 300*300 junction box	1	PVT3030	To receive an immeasurable cable
Csatári 300*150 junction box	1	PVT3015	

Rated voltage: 3 x 230 V / 400 V

Rated frequency: 50Hz

Rated current: M63.80A (Everyday up to 3 x 63A and 3 x 80A)

Short-circuit current: 6 KA

Type and size of cables that can be connected: Cable, "M" cable, 50mm2

Position of wires to be connected: From below

Touch protection method: Covered

Contact protection class: II. class

Protection against environmental and mechanical effects

Design: Outdoor (SZ) / Indoor (B)

Ambient temperature: min-max [C °] min.-20 ° C, max. + 50 ° C / min.

Humidity conditions: relative humidity max. 50% / + 40 ° C

UV resistance: Outdoor, MSZ EN 61439-1 10.2.4. according to which no test is required

Protection: IP rating IP 44

Impact resistance: IK grade IK08

Corrosion resistance (for metal cabinets):

Installation instructions

- When choosing the installation location of the meter cabinets, take into account:
- It must be possible to approach both sides of the cabinet.
- It is advisable to provide traffic routes in addition to building walls or landmarks.
- It is advisable to select a part of the plot boundary that is protected from damage.
- The installation location of the cabinet must not be a "catchment".
- The assembled cabinet (with plinth) (85x40) cm must be placed in a 60 cm deep pit and temporarily fixed. (The "plinth depth" is 50-60 cm!) The "Installation height" (ground level) is marked on the cabinet! If required by the soil conditions, the plinth must be bolted to concrete slabs and the cabinet installed.
- After removing the door, the front cover plates of the cabinet and plinth under the door must be screwed off to remove and secure the cables.
- A contact earth must be connected to the connection terminal of the cabinet for connecting the earth conductor (lower end of the PEN rail). As a technically suitable solution, it is most expedient to "return" the earth conductor from the earthing system of the electricity-powered building on the same route as the cable used as the measured main line. For this purpose, a corrosion-resistant (galvanized) round steel with a cross-section of at least 100 mm2 is recommended. If the length of this return exceeds 3-4 meters, it is advisable to install a suitable earthing probe in the cabinet on its own.
- The relevant standards and general regulations of the power supply providers apply to the laying and installation of the connecting cables. Markings must be clearly provided on the associated cables.
- After completing the cable installation work, the front covers must be replaced in reverse order, the door can be refitted by snapping on the pins.
- Then, using the excavated soil, the final, stable fixation must be achieved by compacting it in layers, while checking the setting in both directions with a spirit level. It is recommended to use dry sand or moisture trap granules to reduce soil evaporation.
- The material of the cabinet withstands the thermal and chemical effects of asphalting, so asphalting the environment is not a problem. In this case, however, a slight slope must be created outwards from the cabinet to prevent rain from accumulating at the base of the cabinet.
- The cover plates under the cabinet door can be unscrewed with screws, so that the subsequent cable connection can be easily solved.

Making cable connections

The immeasurable supply, the cable inserted into the 300x300 junction box via a gland, must be connected to 50mm2 mains terminals. Wires numbered from the terminal block for circuit breakers, which can be snapped onto the top-hat rail in the CSP 081908 junction box. Outgoing measured cables can be connected to 50mm2 terminals under cover.5 For a wired system, the ground must be routed from the PEN rail.

Installation and fixing of devices

• The relevant standards and general regulations of the power supply providers apply to the laying and installation of the connecting cables. Markings must be clearly provided on the associated cables. The unmeasured supply, the cable inserted into the 300x300 junction box via a gland, must be connected to 50mm2 terminals. Outgoing measured cables can be connected to 50mm2 terminals under cover. Grounding must be routed from the PEN rail if 5-wire.

Prevention and reduction of condensation and heating

When assembling the enclosures, a sealing sponge material is used to prevent the ingress of moisture. IP protection 44

Commissioning the equipment

The device is mounted indoors, screwed to a wall or mounted on a support structure.
After removing the padlock, pull the wire out of the tabs, then unscrew the plastic fixing screws from the cover lids. There is a sealing option under the lids.
The seal may only be removed by the electrician in the presence of the owner, as required for exclusive custody.

In case of several measuring points with modular design, their assembly and expandability

When assembling the enclosures, a sealing sponge material is used to prevent the ingress of moisture. IP protection 44

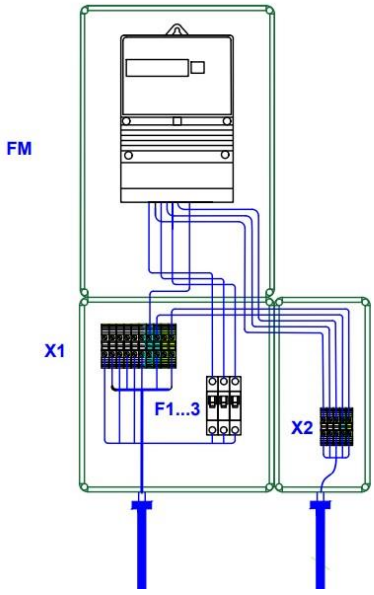
Opening, closing and operating the cabinet

After removing the padlock, pull the wire out of the tabs, then unscrew the plastic fixing screws from the cover lids. There is a sealing option under the lids.
The seal may only be removed by the electrician in the presence of the owner, as required for exclusive custody.

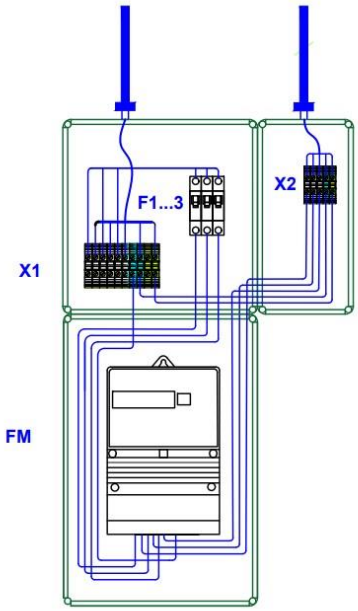
KÖZVILLSZER KFT.

RENDSZERENGEDÉLY: KOZV M2 MÉRŐSZEKRÉNY

Alsó csatlakozás esetén



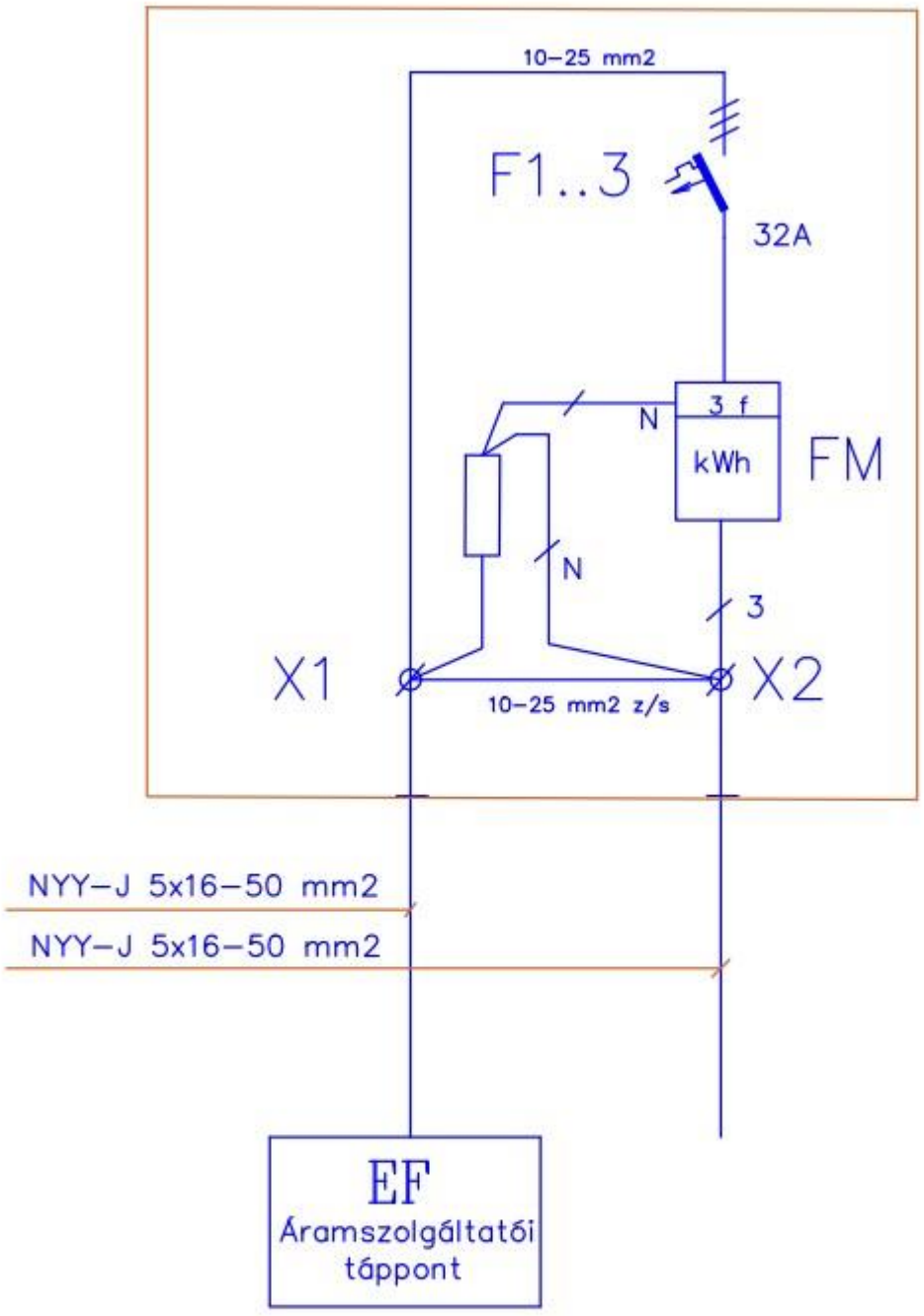
Felső csatlakozás esetén



CURRENT DRAWING

KÖZVILLSZER KFT.

RENDSZERENGEDÉLY: KOZV M2 MÉRŐSZEKRÉNY



Feszültség : 3x400/230V AC

Érintésvédelem : TN–S

Consumption cabinet type design

• complete wiring, ready for installation 63 A cable with a cross-section of 25 mm2 is required for a load capacity of 80 A
• TS-35 type mounting rail,
• inner cover plate,

Main circuit wiring

• Type: H07VK cable with 18 mm ferrule
• Conductor: Cu (copper, filament), suitable for 80 A loads
• Cross section: 10-25 mm2
• Rated voltage: 400V
• Pressed wire end sleeve according to the cross section of the cable and the dimensions of the receiving terminal
• Clear marking of the same shape, material, non-removable, durable at the ends of the wires