



ENYMOD – Mi 1600 A Panelbuilder

hensel-electric.de

HENSEL

MORE THAN 90 YEARS OF EXPERIENCE – YOUR ELECTRICAL ENERGY POWERS US

Electrical energy flows everywhere. It provides light, heat and movement. As a family-owned company operating worldwide, we guarantee the safe distribution of electrical energy in industry, commerce and infrastructure.

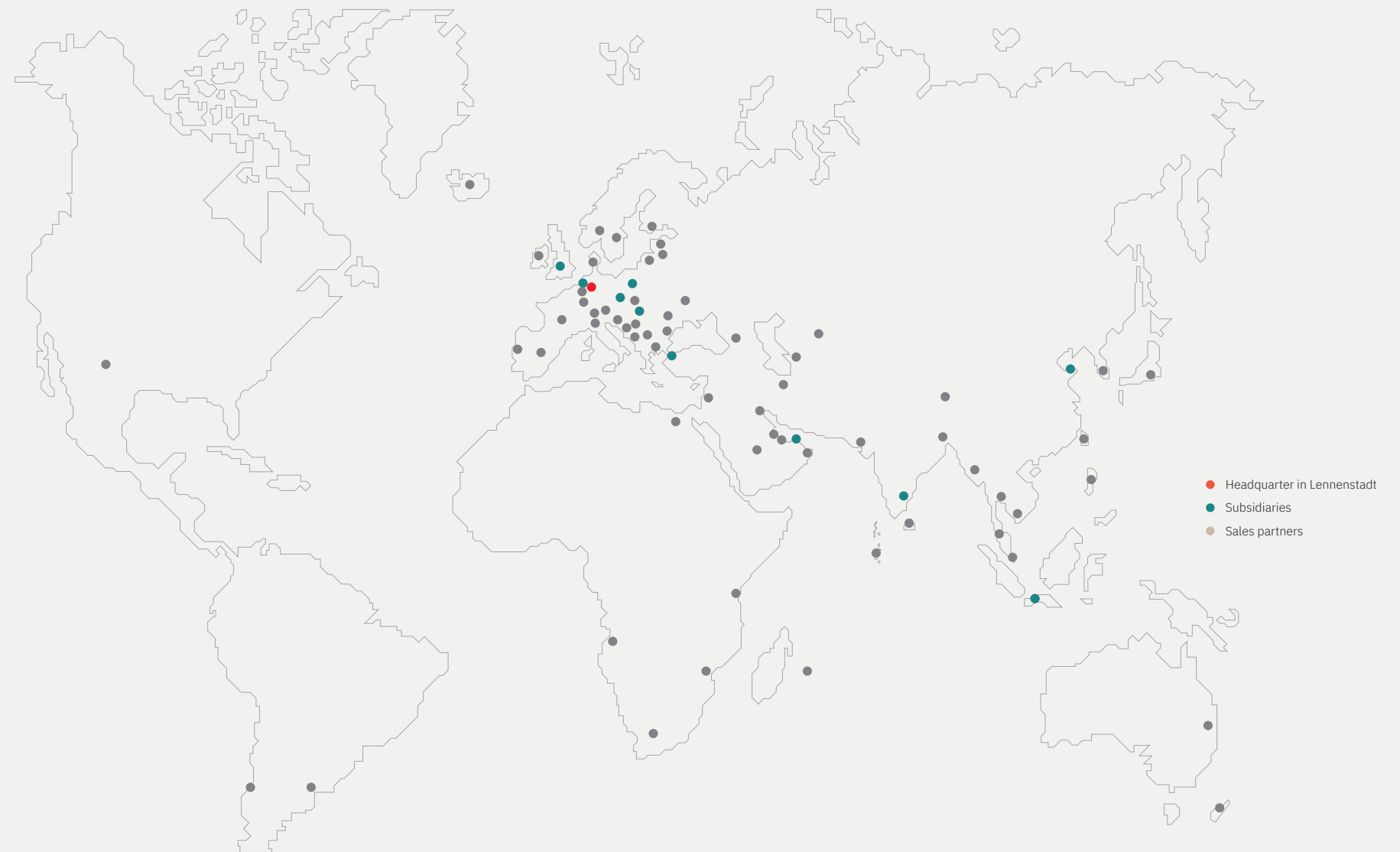
With over 1,000 employees, 640 of them in Germany, 14 subsidiaries in Germany and abroad, we have been operating successfully in the market for over 90 years. We work enthusiastically to take our products and services to the next level. Solutions for photovoltaics and e-mobility are becoming increasingly important. In this way, we are making an active contribution to the energy transition and working towards a safer electric future.

Please scan the QR code or see our website
www.hensel-electric.de
for more detailed information.



International presence

HENSEL guarantees local support and a high degree of availability thanks to its 4 locations in Germany, 10 locations own by HENSEL and 60 international partners.



SWITCHGEAR FOR DEMANDING APPLICATIONS

Safe in dust, dirt, moisture and harsh industrial atmospheres

Material

- + Burning behaviour: Glow wire test IEC 60695-2-11, self-extinguishing, flame retardant
- + UV-resistant in accordance with IEC 61439-1, para. 10.2.4: The material is tested for UV resistance.
- + Toxic behaviour: silicone- and halogen-free
- + Chemical resistance: resistant to acids, alkalis, petrol and mineral oil



HIGH-QUALITY MATERIAL

HEÑSEL

For demanding applications

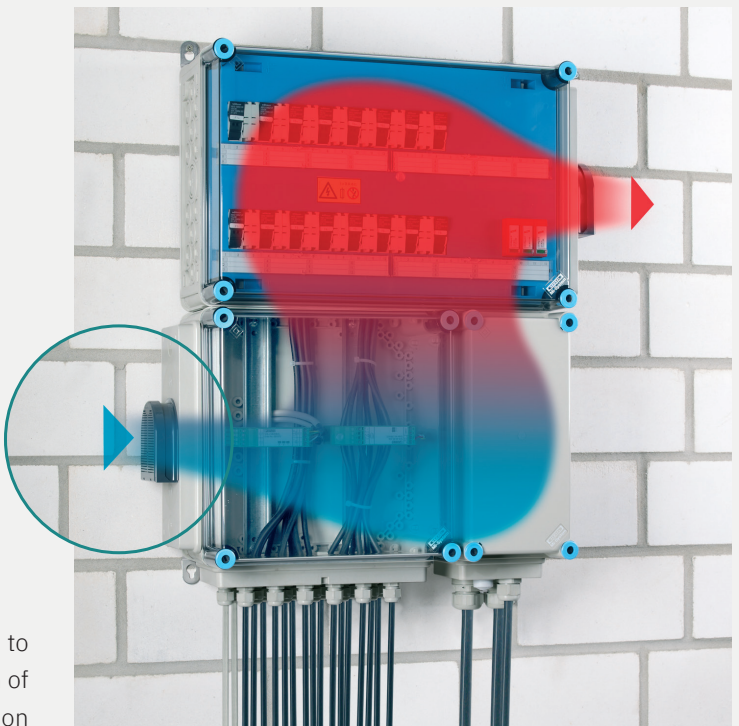


- + Flame-retardant, self-extinguishing
Burning behaviour: Glow wire test 960°C in accordance with IEC 60695-2-11
- + UV-resistant

Robust and resistant: Resistant to dust and water, Mi distribution boards withstand heavy loads.



Safe, even in extreme outdoors weather conditions, e.g. with precast roof.



Ventilation option to reduce the formation of condensation

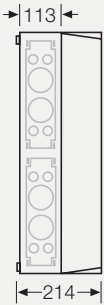
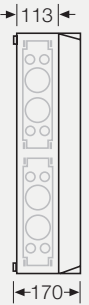
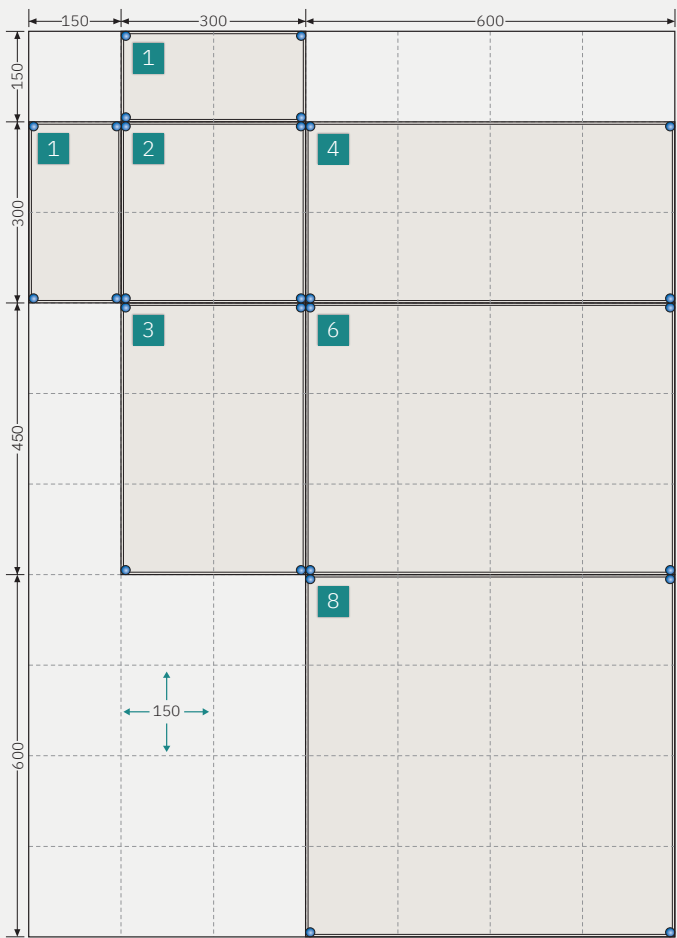
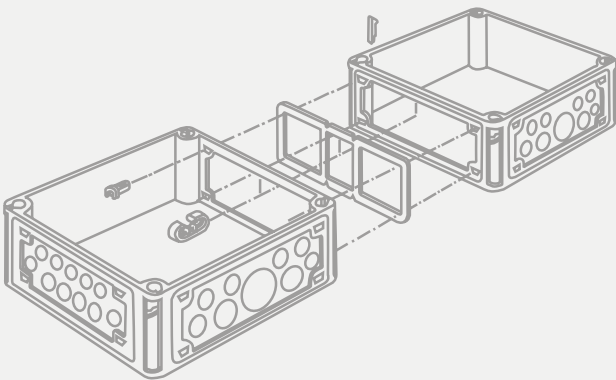
MODULAR ENCLOSURE SYSTEM

to built up power switchgear and controlgear assemblies

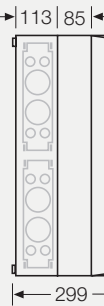
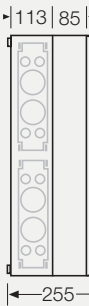


Combinable in all directions

- + Six box sizes can be freely combined in all directions and can also be used as individual boxes
- + The combinable enclosure system is ideally suited for the quick and easy construction of power switchgear assemblies (PSC) up to 1600 A
- + Box size 6 (600 x 450 mm): Due to an enlarged terminal compartment directly in the housing, some electrical functions can be installed more economical.
- + 6 box sizes:
 - 1_ 150 x 300 mm
 - 2_ 300 x 300 mm
 - 3_ 450 x 300 mm
 - 4_ 600 x 300 mm
 - 5_ 600 x 450 mm
 - 6_ 600 x 600 mm



Enclosure depths
Different enclosure depths allow the installation of deeper devices.



Extension frame
for box sizes 4, 6 and 8 increase the enclosure depth by 85 mm in each case.



Scan the code and let's talk about your customised project.

DEPENDENT ON THE SYSTEM

Electrical parameters



Electrical
Rated values

Rated voltage: max. 690 V a.c.
Rated insulation voltage: 690 V a.c., 1000 V d.c.
Rated current max. 1600 A
Rated short-time withstand current max : max. 36 kA / 1 s

System properties



Environmental
conditions

Ambient temperature
+ for distribution boards in accordance with IEC 61439:
-5 °C up to 35 °C, max. + 40 °C,
Relative humidity: 50% at 40 °C,
100% at 25 °C

+ for empty enclosures:
- 25 °C up to + 70 °C
The climatic influences and effects on the equipment are to be considered, see technical details /operating and ambient conditions



Application
area

The enclosures are suitable for predicted outdoor installation.
However, the climatic influences and effects on the operating equipment must be taken into account.



Insulation

Insulated enclosures
(Pretection Class II)



Impact strength

Degree of pretection against mechanical load IK 08 (5 Joules) in accordance with IEC 50102



Pretection against foreign
solid objects
and direct contact

Dust-proof
Degree of pretection IP 65



Pretection against
ingress of water
with harmful effects

Predected against water jets
Degree of pretection IP 65

DEPENDENT ON MATERIAL

Material properties: Polycarbonate



Burning behaviour

Glow wire test 960 °C in accordance with IEC 60695-2-11 self-extinguishing, flame retardant



UV resistance

UV resistance according to IEC 61439-1 para. 10.2.4: The material is examined for UV resistance.



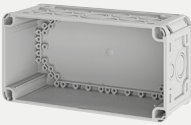
Chemical
resistance

Resistance against acids 10% and alkaline 10%, petrol and mineral oil



Toxic
behaviour

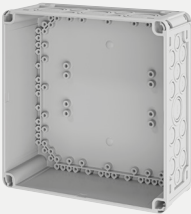
Silicone- and halogen-free



MiU 0100

ENYMOD bottom part
Dimensions H x W x D: 150 x 300 x 114 mm

- + Number of cable entries: 30
- + Metric knockouts: 1 x M20 (wall left+right)
1 x M32, M40 (wall left+right)
2 x M20 (wall top+bottom)
10 x M25 (wall top+bottom)
1 x M32, M40 (wall top+bottom)
- + Number of openings for flange plates: 4
- + Box size: 1



MiU 0200

ENYMOD bottom part
Dimensions H x W x D: 300 x 300 x 114 mm

- + Number of cable entries: 40
- + Metric knockouts: 3 x M40, M50 (wall left+right)
4 x M25 (wall left+right)
2 x M20 (wall top+bottom)
10 x M25 (wall top+bottom)
1 x M32, M40 (wall top+bottom)
- + Number of openings for flange plates: 4
- + Box size: 2



MiU 0300

ENYMOD bottom part
Dimensions H x W x D: 450 x 300 x 114 mm

- + Number of cable entries: 44
- + Metric knockouts: 3 x M40, M50 (wall left+right)
1 x M32, M40 (wall left+right)
4 x M25 (wall left+right)
1 x M20 (wall left+right)
2 x M20 (wall top+bottom)
10 x M25 (wall top+bottom)
1 x M32, M40 (wall top+bottom)
- + Number of openings for flange plates: 6
- + Box size: 3



MiU 0400

ENYMOD bottom part
Dimensions H x W x D: 600 x 300 x 114 mm

- + Number of cable entries: 44
- + Metric knockouts: 4 x M40, M50 (wall left+right)
8 x M32 (wall left+right)
2 x M20 (wall top)
10 x M25 (wall top)
1 x M32, M40 (wall top)
4 x M25 (wall bottom)
3 x M40, M50 (wall bottom)
- + Number of openings for flange plates: 6
- + Box size: 4



MiU 0600

ENYMOD bottom part
Dimensions H x W x D: 450 x 600 x 114 mm

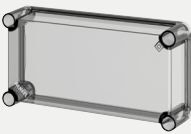
- + Number of cable entries: 70
- + Metric knockouts: 4 x M20 (wall top+bottom)
20 x M25 (wall top+bottom)
2 x M32, M40 (wall top+bottom)
1 x M20 (wall left+right)
4 x M25 (wall left+right)
1 x M32, M40 (wall left+right)
3 x M40, M50 (wall left+right)
- + Number of openings for flange plates: 8
- + Box size: 6



MiU 0800

ENYMOD bottom part
Dimensions H x W x D: 600 x 600 x 114 mm

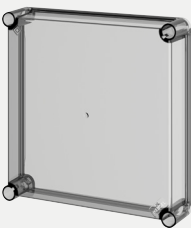
- + Number of openings for flange plates: 8
- + Box size: 8
- + Cable entry only possible via flange



MiD 0100
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 150 x 300 x 57 mm
+ Box size: 1



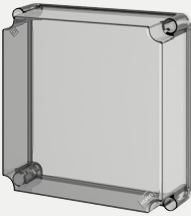
MiD 0101
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 150 x 300 x 57 mm
+ Box size: 1



MiD 0200
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 300 x 300 x 57 mm
+ Box size: 2



MiD 0201
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 300 x 300 x 57 mm
+ Box size: 2



MiD 0210
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 300 x 300 x 101 mm
+ Box size: 2



MiD 0211
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 300 x 300 x 101 mm
+ Box size: 2



MiD 0220
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 300 x 300 x 69 mm
+ Box size: 2



MiD 0221
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 300 x 300 x 69 mm
+ Box size: 2



MiD 0301
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 450 x 300 x 57 mm
+ Box size: 3



MiD 0300
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 450 x 300 x 57 mm
+ Box size: 3



MiD 0310
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 450 x 300 x 101 mm
+ Box size: 3



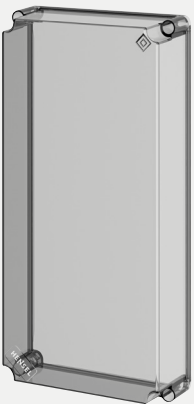
MiD 0311
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 450 x 300 x 101 mm
+ Box size: 3



MiD 0400
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 600 x 300 x 57 mm
+ Box size: 4



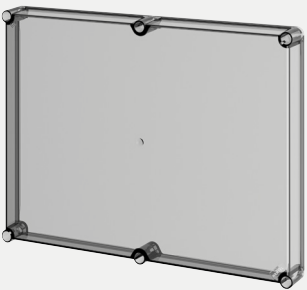
MiD 0401
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 450 x 300 x 57 mm
+ Box size: 4



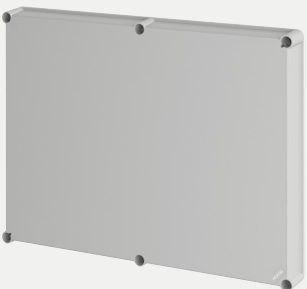
MiD 0410
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 450 x 300 x 101 mm
+ Box size: 4



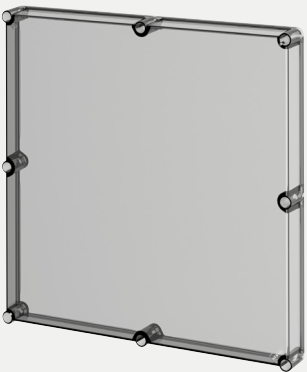
MiD 0411
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 450 x 300 x 101 mm
+ Box size: 4



MiD 0600
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 450 x 600 x 57 mm
+ Box size: 6



MiD 0601
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 450 x 600 x 57 mm
+ Box size: 6

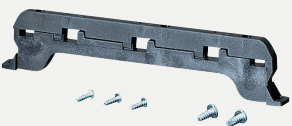
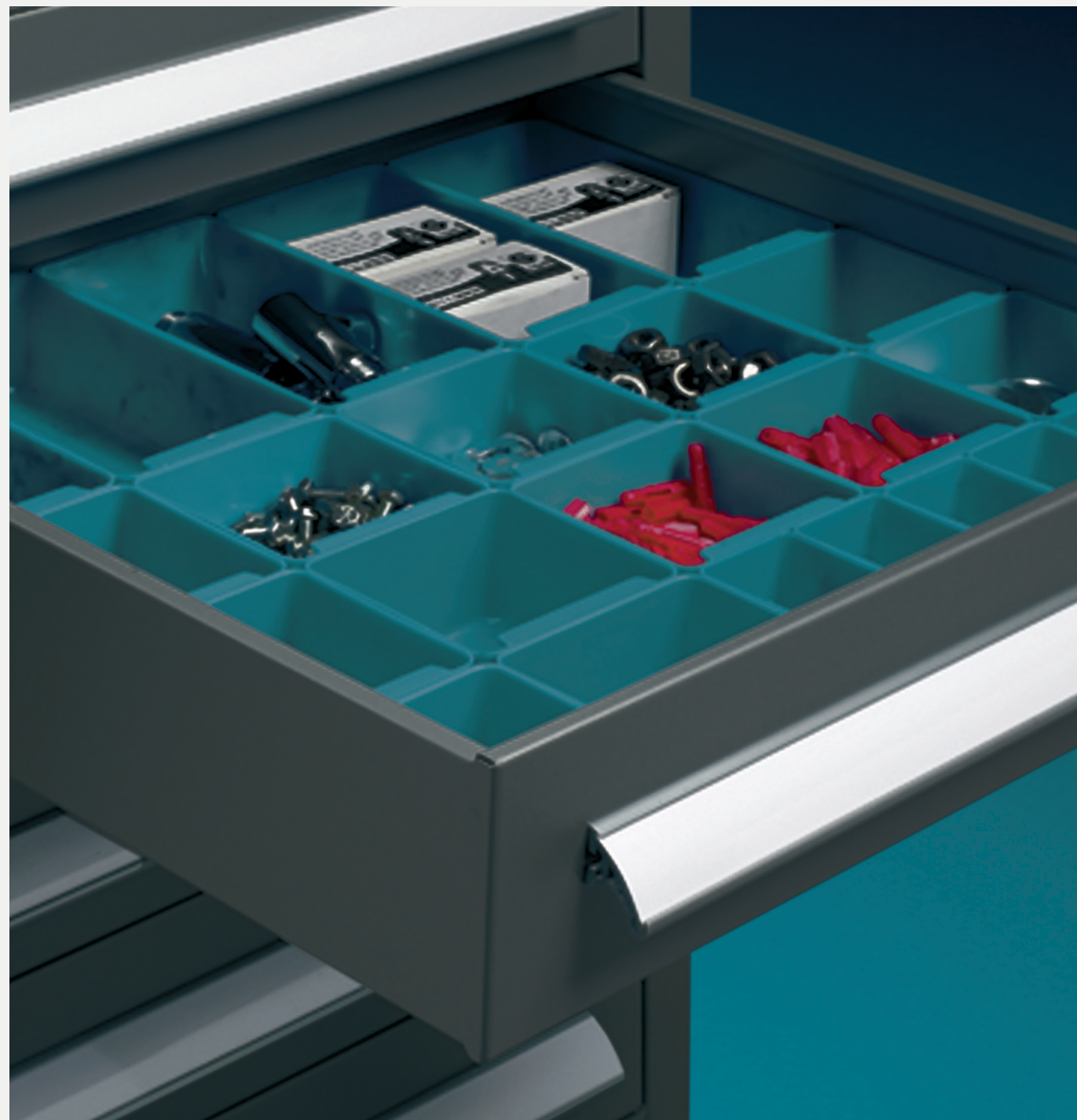


MiD 0800
ENYMOD lid
Colour of the lid: transparent
Dimensions H x W x D: 600 x 600 x 57 mm
+ Box size: 8



MiD 0801
ENYMOD lid
Colour of the lid: grey
Dimensions H x W x D: 600 x 600 x 57 mm
+ Box size: 8

ACCESSORIES



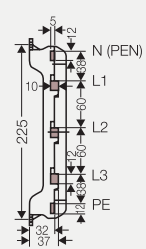
Mi ST 25

Rated current of busbar 250 A

Busbar support

- + For: Empty boxes
- + Busbar dimensions:
L1-L3: 12 mm x 10 mm
N, PE: 12 mm x 5 mm
- + N conductor with the same current carrying capacity as the phase conductors
- + Number of poles: 5
- + Included accessories: fastening material

Centreline spacing of busbars	60 mm
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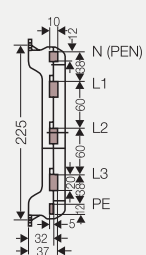
Mi ST 41

Rated current of busbar 400 A

Busbar support

- + For: Empty boxes
- + Busbar dimensions:
L1-L3: 20 mm x 10 mm
N: 12 mm x 10 mm
PE: 12 mm x 5 mm
- + N conductor with the same current carrying capacity as the phase conductors
- + Number of poles: 5
- + Included accessories: fastening material

Centreline spacing of busbars	60 mm
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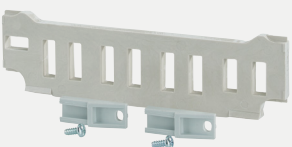
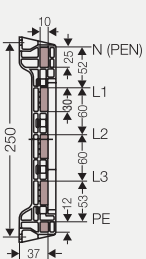
Mi ST 63

Rated current of busbar 630 A

Busbar support

- + For: Empty boxes
- + Busbar dimensions:
L1-L3: 30 mm x 10 mm
N: 25 mm x 10 mm
PE: 12 mm x 10 mm
- + N conductor with the same current carrying capacity as the phase conductors
- + Number of poles: 5
- + Included accessories: fastening material

Centreline spacing of busbars	60 mm
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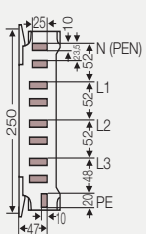
Mi ST 10

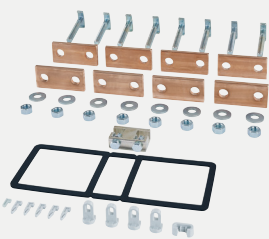
Rated current of busbar 1000 A

Busbar support

- + For: Empty boxes
- + Busbar dimensions:
L1-L3: 30 mm x 10 mm
N: 25 mm x 10 mm
PE: 20 mm x 10 mm
- + N conductor with the same current carrying capacity as the phase conductors
- + Number of poles: 5
- + Included accessories: fastening material

Centreline spacing of busbars	60 mm
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Mi SV 10
Rated current of busbar 1000 A
Busbar connectors

- + For: Busbar box
- + N conductor with the same current carrying capacity as the phase conductors
- + Set with 8 pieces
- + Included accessories: fastening material

Centreline spacing of busbars	60 mm
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Copper conductor					
Type	Busbar connectors		Flexible railkoper	For railkoper	1000 A 1600 A (= 2 x 1000 A)* N: 2 x 25 x 10 L1-L3: 2 x 30 x 10
	cable lug	diameter			
 KS 35 P	M6	2 x 1,5 - 35 mm²	—	—	
 KS 240 P	M12	1 x 35 - 240 mm²	—	—	
 KS 12 P	—	—	250 A: Mi VS 250 400 A: Mi VS 400	12 x ... mm	
 KS 20 P	—	—	630 A: Mi VS 630	20 x ... mm	
 KS 50 P	—	—	—	25 - 50 x ... mm	
 KS 60 P	—	—	—	60 x ... mm	

Remark: *Rail system 1600 A consists of 2 x 1000 A rail system.



MiV 10
ENYMOD lid fastener
Hand operation

- + Colour: blue



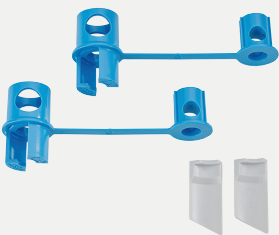
MiV 60
ENYMOD lid fastener
Tool operation

- + Colour: blue



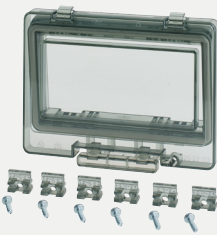
MiV 20
ENYMOD lid fastener
Sealing

- + Colour: red



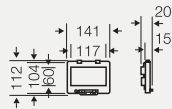
Mi SV 2
Locking device insertion conversion kit
for padlock (clip Ø max. 10 mm)

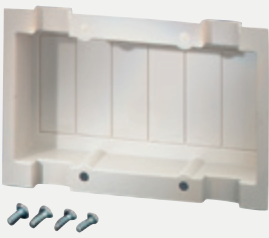
- + Set with 2 pieces
- + Can be used instead of fasteners for hand or tool operation in order to prevent unauthorised opening of the lids



Mi KL 6
Hinged flap
Opening dimension: 60 x 117 mm

- + Modules 1 x 6 modules x 18 mm
- + Lockable with hinged flap lock
- + Sealable without accessories
- + Included accessories: fastening material, Drill and saw template

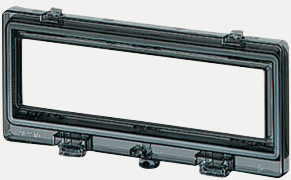
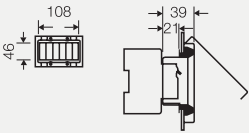




Mi BS 6

Closed cover

- + For Mi KL 6
- + Dimensions H x W: 46 x 108 mm
- + For retrofitting
- + Suitable for Hinged flap
- + As protection cover or for the installation of devices
- + Included accessories: fastening material



Mi KL 12

Hinged flap

Opening dimension: 60 x 220 mm

With hinged flap

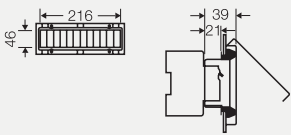
- + Modules 1 x 12 modules x 18 mm
- + Lockable with hinged flap lock
- + Sealable without accessories
- + Included accessories: fastening material, Drill and saw template



Mi BS 12

Closed cover

- + For Mi KL 12, Mi 1111, Mi 1222, Mi 1333, Mi 1443, Mi 1444, Mi 1445, Mi 1117, Mi 1227, Mi 1337, Mi 1119, Mi 1229, Mi 1339, Mi 1449
- + Dimensions H x W: 46 x 216 mm
- + For retrofitting
- + Suitable for Hinged flap
- + As protection cover or for the installation of devices
- + Included accessories: fastening material



Mi SK 01

Locking device

- + For retrofitting in hinged flaps of 6 or 12 modules width
- + Included accessories: fastening material



Mi ZS 40

Hinge

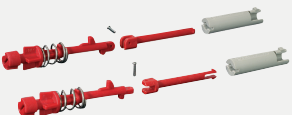
- + Suitable for box sizes: 1, 2, 3, 4, 6, 8
- + Set with 2 pieces
- + For operating installation device within a large area. The lid keeps permanently connected to the box..
- + Wall connectors or flanges are necessary for assembly.
- + Not applicable in boxes with covers.
- + Included accessories: fastening material



Mi ZS 60

Hinge

- + Suitable for Enclosure with extension frame size: 4, 6, 8
- + Set with 2 pieces
- + For operating installation device within a large area. The lid keeps permanently connected to the box..
- + Wall connectors or flanges are necessary for assembly.
- + Not applicable in boxes with covers.
- + Included accessories: fastening material



Mi ZS 20

Hinge

- + Suitable for box sizes: 1, 2, 3, 4
- + Set with 2 pieces
- + For operating installation device within a large area. The lid keeps permanently connected to the box..
- + When assembling several boxes, the insertion can only be carried out for the external boxes.
- + Included accessories: fastening material

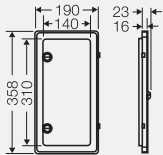


NZ KL 54

Hinged flap

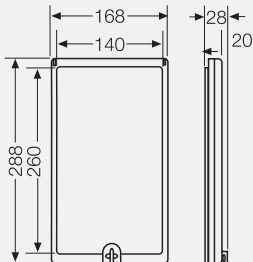
Opening dimension: 310 x 140 mm

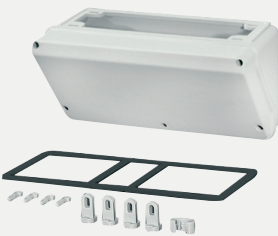
- + KWH meter window flap for tool or manual operation
- + Can be locked with padlock (clip diameter max. 6 mm)
- + In accordance with DIN 43870
- + Sealable without accessories
- + Included accessories: fastening material



Mi SF

Hinged lid

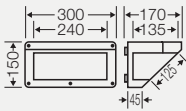




Mi CB 10

Connection Box

- + Suitable for box wall: 300 mm
- + For the installation of devices that must be operated externally, such as plug devices, push buttons and switches
- + Position for mounting: bottom, side
- + Hinged mounting area
- + Included accessories: fastening material



Mi FP 15

Flange

Knockoutss: none

- + Suitable for box wall: 150 mm
- + Built-in dimensions height: 88 mm width: 65 mm
- + Included accessories: fastening material



Mi FM 15

Flange

Knockouts: 3 x M20 1 x M32, M40, M50

- + Suitable for box wall: 150 mm
- + Included accessories: fastening material

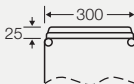


Mi FP 20

Flange

Knockoutss: none

- + Suitable for box wall: 300 mm
- + Built-in dimensions height: 88 mm width: 215 mm
- + Included accessories: fastening material

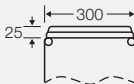


Mi FM 20

Flange

Knockouts: 15 x M16, 15 x M20

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

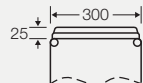


Mi FM 25

Flange

Knockouts: 19 x M16, M25

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

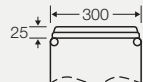


Mi FM 32

Flange

Knockouts: 1 x M25, M32, M40 8 x M25, M32

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

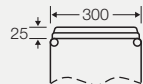


Mi FM 40

Flange

Knockouts: 2 x M25, M32 5 x M32, M40

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

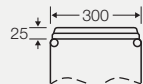


Mi FM 50

Flange

Knockouts: 2 x M20 4 x M32, M40, M50

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

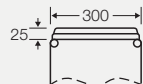


Mi FM 60

Flange

Knockouts: 3 x M40, M50, M63

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

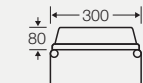


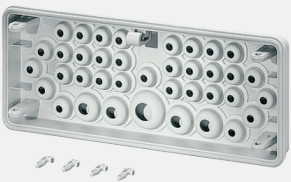
Mi FM 63

Flange

Knockouts: 3 x M40, M50, M63
with additional manoeuvring space

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material

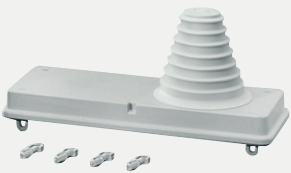
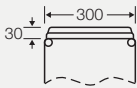




IP
65

Mi FP 38

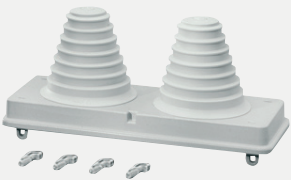
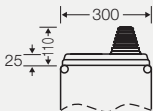
Flange
Sealing range:
29 x 7 mm - 12 mm, 4 x 7 mm - 14 mm,
4 x 11 mm - 20 mm, 1 x 16 mm - 29 mm
+ Cable entry via integrated elastic membranes
+ Suitable for box wall: 300 mm
+ Included accessories: fastening material



IP
65

Mi FP 70

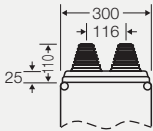
Flange
Sealing range:
1 x 30 mm - 72 mm
+ Cable entry via integrated elastic membranes
+ Suitable for box wall: 300 mm
+ Included accessories: fastening material



IP
65

Mi FP 72

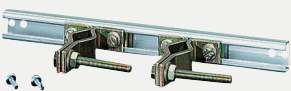
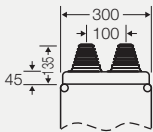
Flange
Sealing range:
2 x 30 mm - 72 mm
+ Cable entry via integrated elastic membranes
+ Suitable for box wall: 300 mm
+ Included accessories: fastening material



IP
54

Mi FP 82

Flange
Sealing range:
2 x 30 mm - 72 mm
+ Suitable for box wall: 300 mm
+ Degree of protection IP 54 only with additional strain and pressure relief (e.g. Mi ZE 62)
+ Included accessories: fastening material



Mi ZE 62

Strain relief
+ for 2 cables with max. 60 mm external diameter
+ To be used only in connection with Mi FP 82
+ Included accessories: fastening material



Mi GS 30

Box fin
+ Suitable for box wall: 300 mm
+ for inserting cables across 2 boxes
+ Removable
+ For retrofitting
+ Included accessories: fastening material



Mi FP 30

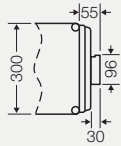
Metal insert
+ Suitable for box wall: 300 mm
+ Knockoutss: none
+ Included accessories: fastening material
+ For grounding steel-armored cables



IP
44

Mi BF 44

Ventilation flange
+ Suitable for box wall: 300 mm
+ For ventilation of Mi-Distribution boards in the event of extremely high internal temperatures or a risk of water condensation
+ Included accessories: fastening material

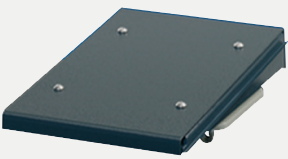


IP
44

BE 44

Ventilation insert



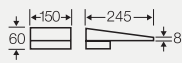


IP
65

Mi DB 15

Canopy
suitable for box wall: 150 mm

+ Included accessories: fastening material



Surface treatment	powder-coated
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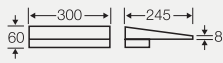


IP
65

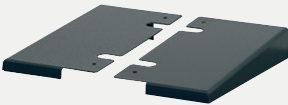
Mi DB 30

Canopy
suitable for box wall: 300 mm

+ Included accessories: fastening material



Surface treatment	powder-coated
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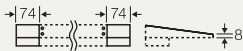
Mi DB 01

Canopy end plate

+ Set with 2 pieces

+ For canopy Mi DB xx

+ Included accessories: fastening material



Surface treatment	powder-coated
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Mi MB 1

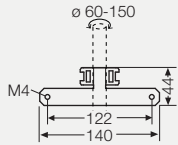
Pipe and pole mounting set

+ Suitable for box sizes: 1

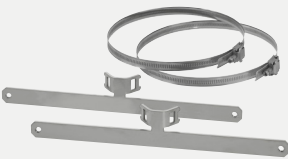
+ Suitable for pipe/pole diameters of 60 - 150 mm

+ Set with 2 pieces

+ Suitable for box wall: fastening screws, clamps



Material	Stainless steel V2A
Maximum load	25 kg



Mi MB 2

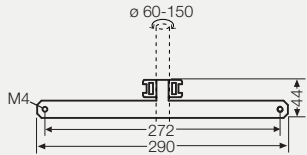
Pipe and pole mounting set

+ Suitable for box sizes: 1, 2, 3, 4

+ Suitable for pipe/pole diameters of 60 - 150 mm

+ Set with 2 pieces

+ Suitable for box wall: fastening screws, clamps



Material	Stainless steel V2A
Maximum load	25 kg



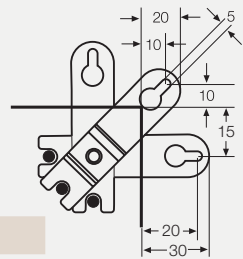
Mi AL 40

External brackets

+ Set with 4 pieces

+ For external fixing of enclosures

+ Included accessories: fastening material



Material	Stainless steel V2A
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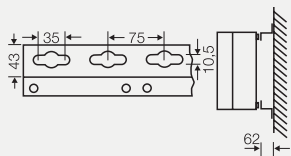


Mi MS 2

Mounting profile

+ For Mi distribution board assemblies
up to 900 x 1200 mm

+ Included accessories: fastening material



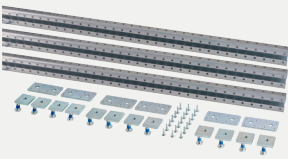
Height	1950 mm
Surface treatment	powder-coated, sendzimir gal- vanised



Lackstift RAL 7016

Varnishing pen

12 ml

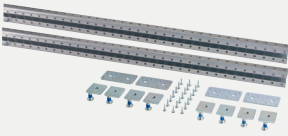


Mi MR 69

Mounting frame

- + Fixing brackets (Mi BL xx) are required for wall mounting
- + Set consisting of 3x 2m rail, 6x 2-way connection and 20x mounting screw
- + For approx. 1,6 m²
- + For Mi distributions up to 900 x 1800 mm
- + Included accessories: fastening material

Surface treatment	hot-dip galvanised
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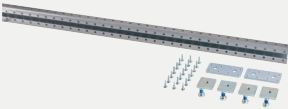


Mi MR 49

Mounting frame

- + Fixing brackets (Mi BL xx) are required for wall mounting
- + Set consisting of 2x 2m rail, 4x 2-way connection and 20x mounting screw
- + For approx. 1 m²
- + For Mi distributions up to 600 x 1200 mm or 900 x 900 mm
- + Included accessories: fastening material

Surface treatment	hot-dip galvanised
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Mi MR 20

Mounting frame

- + Fixing brackets (Mi BL xx) are required for wall mounting
- + Set consisting of 1x 2m rail, 2x 2-way connection and 20x mounting screw
- + Included accessories: fastening material

Surface treatment	hot-dip galvanised
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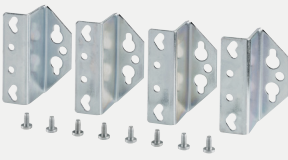


Mi BL 30

Fixing brackets

Depth: 30 mm

- + Set with 4 pieces
- + Suitable for Connection with the mounting frame
- + Included accessories: fastening material

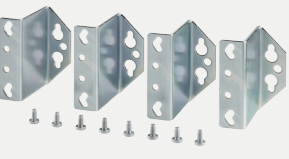


Mi BL 50

Fixing brackets

Depth: 50 mm

- + Set with 4 pieces
- + Suitable for Connection with the mounting frame
- + Included accessories: fastening material

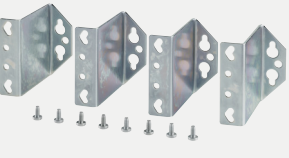


Mi BL 75

Fixing brackets

Depth: 75 mm

- + Set with 4 pieces
- + Suitable for Connection with the mounting frame
- + Included accessories: fastening material



Mi BL 99

Fixing brackets

Depth: 100 mm

- + Set with 4 pieces
- + Suitable for Connection with the mounting frame
- + Included accessories: fastening material



Mi VB 22

Connector, 2-way

- + Set with 2 pieces
- + Suitable for Connection of 2 rails of the mounting frame
- + Included accessories: fastening material



Mi VB 32

Connector, 3-way

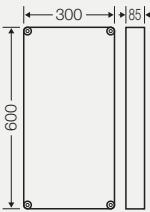
- + Set with 2 pieces
- + Suitable for Connection of 3 rails of the mounting frame
- + Included accessories: fastening material



Mi ZR 4

Extension frame

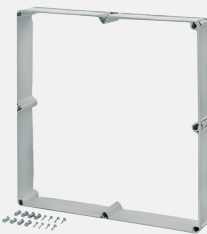
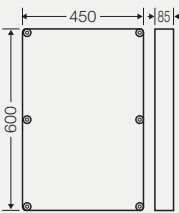
- + Suitable for box sizes: 4
- + To increase the mounting depths by 85 mm
- + Degree of protection IP 65 is maintained with use of up to two extension frames
- + Included accessories: fastening material



Mi ZR 6

Extension frame

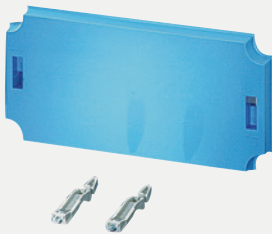
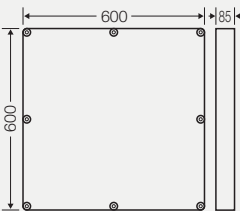
- + Suitable for box sizes: 6
- + To increase the mounting depths by 85 mm
- + Degree of protection IP 65 is maintained with use of up to two extension frames
- + Included accessories: fastening material



Mi ZR 8

Extension frame

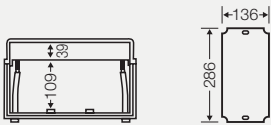
- + Suitable for box sizes: 8
- + To increase the mounting depths by 85 mm
- + Degree of protection IP 65 is maintained with use of up to two extension frames
- + Included accessories: fastening material



Mi EP 01

Closed cover

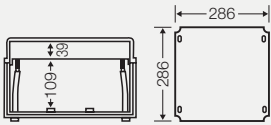
- + Suitable for Empty boxes size: 1
- + Dimensions H x W: 286 x 136 mm
- + For retrofitting
- + As protection cover or for the installation of devices
- + Included accessories: fastening material



Mi EP 02

Closed cover

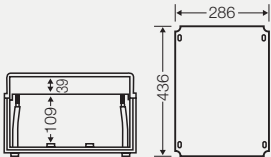
- + Suitable for Empty boxes size: 2
- + Dimensions H x W: 286 x 286 mm
- + For retrofitting
- + As protection cover or for the installation of devices
- + Included accessories: fastening material



Mi EP 03

Closed cover

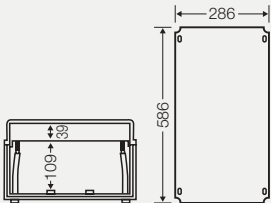
- + Suitable for Empty boxes size: 3, 6
- + Dimensions H x W: 436 x 286 mm
- + For retrofitting
- + As protection cover or for the installation of devices
- + Included accessories: fastening material



Mi EP 04

Closed cover

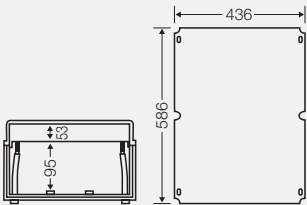
- + Suitable for Empty boxes size: 4
- + Dimensions H x W: 586 x 286 mm
- + For retrofitting
- + As protection cover or for the installation of devices
- + Included accessories: fastening material



Mi EP 06

Closed cover

- + Suitable for Empty boxes size: 6
- + Dimensions H x W: 586 x 436 mm
- + For retrofitting
- + As protection cover or for the installation of devices
- + Included accessories: fastening material





Mi SA 2

Dust predection cover

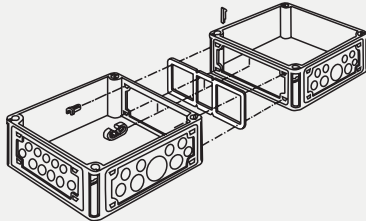
- + Suitable for box sizes: 1, 2, 3, 4, 6, 8
- + Set with 2 pieces



Mi WD 2

Wall gasket

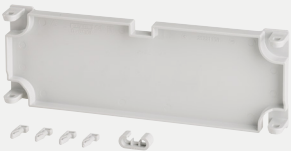
- + Suitable for box wall: 150 mm, 300 mm
- + For the assembly of Mi boxes
- + Included accessories: fastening material



Mi WT 1

Wall separator

- + Suitable for box wall: 300 mm
- + For connecting different box walls
- + Included accessories: fastening material



Mi ZW 30

Partition
for mounting between Mi boxes

- + Suitable for box wall: 300 mm
- + Included accessories: fastening material



Mi BZ 11

Fixing screw

- + Length: 11 mm
- + For mounting on the housing base
- + Suitable for material thickness: 1 mm - 2.5 mm
- + Self-tapping

Surface treatment	Galvanic / electrolytically galva- nized
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Mi BZ 13

Fixing screw

- + Length: 13 mm
- + For mounting on the housing base
- + Suitable for material thickness: 2.5 mm - 4 mm
- + Self-tapping

Surface treatment	Galvanic / electrolytically galva- nized
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ENYFIT





AKM 12
Cable glands
for knockouts M12

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 4 mm - 6 mm
- + Bore-hole: Ø 12.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 16
Cable glands
for knockouts M16

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 5 mm - 10 mm
- + Bore-hole: Ø 16.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 20
Cable glands
for knockouts M20

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 6.5 mm - 13.5 mm
- + Bore-hole: Ø 20.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 25
Cable glands
for knockouts M25

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 11 mm - 17 mm
- + Bore-hole: Ø 25.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 32
Cable glands
for knockouts M32

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 15 mm - 21 mm
- + Bore-hole: Ø 32.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 40
Cable glands
for knockouts M40

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 19 mm - 28 mm
- + Bore-hole: Ø 40.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 50
Cable glands
for knockouts M50

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 27 mm - 35 mm
- + Bore-hole: Ø 50.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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AKM 63
Cable glands
for knockouts M63

- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 35 mm - 42 mm
- + Bore-hole: Ø 63.3 mm
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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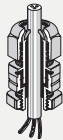




KBM 20

Combi climate glands
for knockouts M20

- + To reduce condensation through pressure compensation
- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 6 mm - 13 mm
- + Bore-hole: Ø 20.5 mm
- + Maximum enclosure volume per pressure compensation element: 6 l, In order not to exceed leakage limit of 0.07 bar with pressure compensation
- + Suitable for wall thickness: bis 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



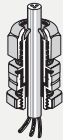
Application area	Outdoor installation
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KBM 25

Combi climate glands
for knockouts M25

- + To reduce condensation through pressure compensation
- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 9 mm - 17 mm
- + Bore-hole: Ø 25.5 mm
- + Maximum enclosure volume per pressure compensation element: 10 l, In order not to exceed leakage limit of 0.07 bar with pressure compensation
- + Suitable for wall thickness: bis 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



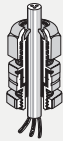
Application area	Outdoor installation
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KBM 32

Combi climate glands
for knockouts M32

- + To reduce condensation through pressure compensation
- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 13 mm - 21 mm
- + Bore-hole: Ø 32.5 mm
- + Maximum enclosure volume per pressure compensation element: 12 l, In order not to exceed leakage limit of 0.07 bar with pressure compensation
- + Suitable for wall thickness: bis 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



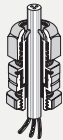
Application area	Outdoor installation
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KBM 40

Combi climate glands
for knockouts M40

- + To reduce condensation through pressure compensation
- + Twith strain relief and locknut
- + Sealing range of the cable entry: Ø 16 mm - 28 mm
- + Bore-hole: Ø 40.5 mm
- + Maximum enclosure volume per pressure compensation element: 16 l, In order not to exceed leakage limit of 0.07 bar with pressure compensation
- + Suitable for wall thickness: bis 3 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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VSB 13

Sealing plug

- + Bore-hole: Ø 13 mm
- + For sealing combi climate glands, which are not used for cable entry
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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VSB 21

Sealing plug

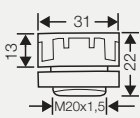
- + Bore-hole: Ø 21 mm
- + For sealing combi climate glands, which are not used for cable entry
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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BM 20G
Pressure compensation element
for knockouts M20



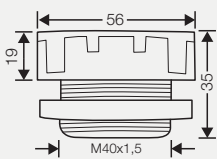
- + Bore-hole: Ø 20.3 mm
- + To reduce condensation through pressure compensation bei Verteilersystemen
- + Maximum enclosure volume per pressure compensation element: 28 l, In order not to exceed leakage limit of 0.07 bar with pressure compensation
- + Suitable for wall thickness: bis 8 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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BM 40G
Pressure compensation element
for knockouts M40



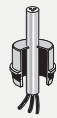
- + Bore-hole: Ø 40.3 mm
- + To reduce condensation through pressure compensation bei Verteilersystemen
- + Maximum enclosure volume per pressure compensation element: 122 l, In order not to exceed leakage limit of 0.07 bar with pressure compensation
- + Suitable for wall thickness: bis 8 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 55 °C



Application area	Outdoor installation
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ESM 16
Grommets
for knockouts M16



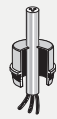
- + Sealing range of the cable entry: Ø 4.8 mm - 11 mm
- + Bore-hole: Ø 16.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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ESM 20
Grommets
for knockouts M20



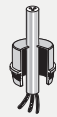
- + Sealing range of the cable entry: Ø 6 mm - 13 mm
- + Bore-hole: Ø 20.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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ESM 25
Grommets
for knockouts M25



- + Sealing range of the cable entry: Ø 9 mm - 17 mm
- + Bore-hole: Ø 25.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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ESM 32
Grommets
for knockouts M32



- + Sealing range of the cable entry: Ø 9 mm - 23 mm
- + Bore-hole: Ø 32.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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ESM 40
Grommets
for knockouts M40



- + Sealing range of the cable entry: Ø 17 mm - 30 mm
- + Bore-hole: Ø 40.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C



Application area	Indoor installation
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IP
55

STM 16

Stepped grommets
for knockouts M16

- + Sealing range of the cable entry: Ø 3.5 mm - 12 mm
- + Bore-hole: Ø 16.5 mm
- + Suitable for wall thickness: 1.5 mm - 4 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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IP
55

STM 20

Stepped grommets
for knockouts M20

- + Sealing range of the cable entry: Ø 5 mm - 16 mm
- + Bore-hole: Ø 20.5 mm
- + Suitable for wall thickness: 1.5 mm - 4 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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IP
55

STM 25

Stepped grommets
for knockouts M25

- + Sealing range of the cable entry: Ø 5 mm - 21 mm
- + Bore-hole: Ø 25.5 mm
- + Suitable for wall thickness: 1.5 mm - 4 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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IP
55

STM 32

Stepped grommets
for knockouts M32

- + Sealing range of the cable entry: Ø 13 mm - 26.5 mm
- + Bore-hole: Ø 32.5 mm
- + Suitable for wall thickness: 1.5 mm - 4 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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IP
55

STM 40

Stepped grommets
for knockouts M40

- + Sealing range of the cable entry: Ø 13 mm - 34 mm
- + Bore-hole: Ø 40.5 mm
- + Suitable for wall thickness: 1.5 mm - 4 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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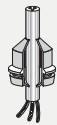
IP
65

EDK 16

Grommets
for knockouts M16

- + Sealing range of the cable entry: Ø 5 mm - 10 mm
- + Bore-hole: Ø 16.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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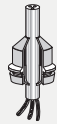
IP
65

EDK 20

Grommets
for knockouts M20

- + Sealing range of the cable entry: Ø 6 mm - 13 mm
- + Bore-hole: Ø 20.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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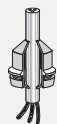
IP
65

EDK 25

Grommets
for knockouts M25

- + Sealing range of the cable entry: Ø 9 mm - 17 mm
- + Bore-hole: Ø 25.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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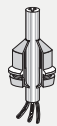
IP
65

EDK 32

Grommets
for knockouts M32

- + Sealing range of the cable entry: Ø 8 mm - 23 mm
- + Bore-hole: Ø 32.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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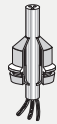
IP
65

EDK 40

Grommets
for knockouts M40

- + Sealing range of the cable entry: Ø 11 mm - 30 mm
- + Bore-hole: Ø 40.5 mm
- + Suitable for wall thickness: 1.5 mm - 3.5 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

Application area	Indoor installation
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i

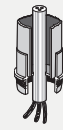
MORE INFORMATION ON HENSEL-ELECTRIC.DE



EDR 16

Grommets for conduits
for knockouts M16

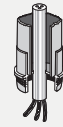
- + Bore-hole: Ø 16.5 mm
- + Pipe size: M16
- + Suitable for wall thickness: 1.5 mm - 3.2 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

IP
65

EDR 20

Grommets for conduits
for knockouts M20

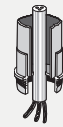
- + Bore-hole: Ø 20.5 mm
- + Pipe size: M20
- + Suitable for wall thickness: 1.5 mm - 3.2 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

IP
65

EDR 25

Grommets for conduits
for knockouts M25

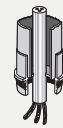
- + Bore-hole: Ø 25.5 mm
- + Pipe size: M25
- + Suitable for wall thickness: 1.5 mm - 3.2 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

IP
65

EDR 32

Grommets for conduits
for knockouts M32

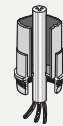
- + Bore-hole: Ø 32.5 mm
- + Pipe size: M32
- + Suitable for wall thickness: 1.5 mm - 3.2 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

IP
65

EDR 40

Grommets for conduits
for knockouts M40

- + Bore-hole: Ø 40.5 mm
- + Pipe size: M40
- + Suitable for wall thickness: 1.5 mm - 3.2 mm
- + Ambient temperature: up to +
- + Maximum ambient temperature 24 h: 35 °C

IP
65

NOTES

HENSEL

FOR A SAFE
ELECTRIC FUTURE.

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