
HENSEL
ENYBOARD

KV Small-type Distribution Boards up to 63 A

- 3 to 54 modules
- degree of protection IP 54-65
- made from thermoplastic material
- protection class II, ⧈
- in accordance with IEC 60439-3

Info **Further technical information can be found on the Internet**
www.hensel-electric.de -> Products

ENYBOARD

Assignment of box walls:

The assignment of box walls is effected via wall symbols that are assigned to each product. The individual figures 2 give an indication, which wall is concerned.

All box walls are listed in the fold-out of the coverpages.

Box walls with membranes

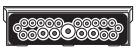
Wall 1
3 x ø 7-16 mm

Wall 2
4 x ø 7-16 mm
1 x ø 10-20 mm

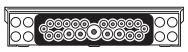
Wall 3
4 x ø 7-16 mm
2 x ø 10-20 mm
1 x ø 10-24 mm

Wall 4
8 x ø 7-16 mm
2 x ø 10-20 mm
1 x ø 10-24 mm

Wall 5
8 x ø 7-12 mm
8 x ø 7-14 mm
4 x ø 12-20 mm
1 x ø 16,5-29 mm



Wall 6
8 x ø 7-12 mm
8 x ø 7-14 mm
4 x ø 12-20 mm
1 x ø 16,5-29 mm
8 x ø M 20



Box walls with cable glands for conduits and elastic membranes

Wall 22
8 x Ø M 16/20
for conduit or cable Ø 9-14 mm
1 x M 25/32 for conduit or cable
Ø 18-24 mm, 6 x Ø 9-18 mm

Wall 23
8 x Ø M 16/20
for conduit or cable Ø 9-14 mm,
1 x M 25/32 for conduit or
cable Ø 18-24 mm, 6 x Ø 9-18 mm,
8 x M 20

Box walls with metric membranes

Wall 7
1 x M 20

Wall 8
3 x M 16

Wall 9
2 x M 20

Wall 10
2 x M 20
1 x M 20/32

Wall 11
2 x M 20
1 x M 20/32

Wall 12
4 x M 20
1 x M 20/32

Wall 13
2 x M 20
1 x M 25/32

Wall 14
2 x M 20/25
1 x M 25/32

Wall 15
4 x M 20/25
1 x M 25/32

Wall 16
2 x M 20
2 x M 25
1 x M 32/40

Wall 17
4 x M 20
2 x M 20/25
1 x M 32

Wall 18
12 x M 20
2 x M 20/25
1 x M 32

Wall 19
4 x M 20
2 x M 25/32
1 x M 32/40

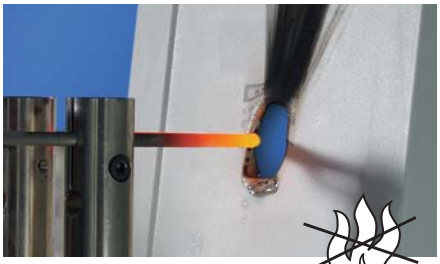
Wall 20
6 x M 20
2 x M 25/32
1 x M 32/40

Wall 21
2 x AVS 16/
EVS 16

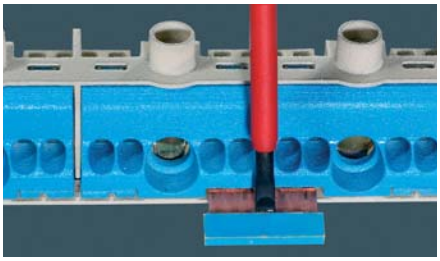
KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Integrated Elastic Membranes

- FIXCONNECT® terminal technology for PE and N
- connection for copper conductors

- 12 to 54 modules: attached blanking strips for DIN rail equipment openings.
- 3 to 9 modules: protective cover can be cut out

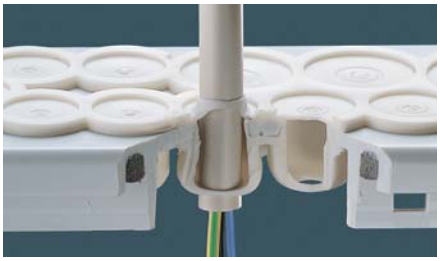


- Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing



- KV Small-type distribution boards with up to four disconnectable N-potentials in one bar enabel the installation of RCDs without additional efforts or accessories.

- Integrated compartment for accessories - everything has its proper place.
- Screws made of stainless steel V2A.



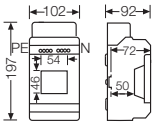
- Cable entry via integrated elastic membranes

KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9103

3 modules: 1 x 3 x 18 mm

IP 65 | PS | RAL 7035 | 1 Wall 1



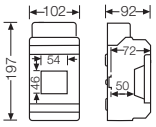
- 1-row
- per PE/N number x cross section 1 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8103

3 modules: 1 x 3 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 1 Wall 1



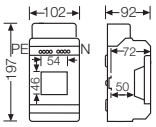
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1503

3 modules: 1 x 3 x 18 mm

IP 54 | PS | RAL 7035 | 1 Wall 1



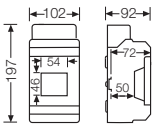
- 1-row
- per PE/N number x cross section 1 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1603

3 modules: 1 x 3 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 1 Wall 1



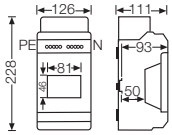
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 9104

4.5 modules: 1 x 4.5 x 18 mm

IP 65 | PS | RAL 7035 | 2 Wall 2



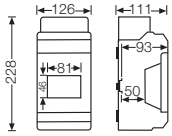
- 1-row
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8104

4 modules: 1 x 4.5 x 18 mm without PE and N terminal

IP 65 | PS | RAL 7035 | 2 Wall 2



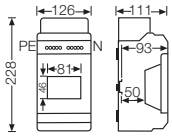
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1504

4.5 modules: 1 x 4.5 x 18 mm

IP 54 | PS | RAL 7035 | 2 Wall 2



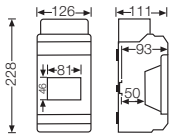
- 1-row
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1604

4.5 modules: 1 x 4.5 x 18 mm without PE and N terminal

IP 54 | PS | RAL 7035 | 2 Wall 2



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

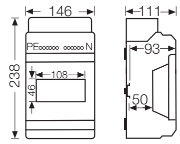
rated insulation voltage	U_i = 400 V a.c.

KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9106

6 modules: 1 x 6 x 18 mm

IP 65 | PS | RAL 7035 | 3 Wall 3



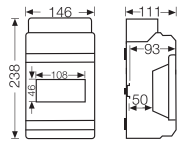
- 1-row
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8106

6 modules: 1 x 6 x 18 mm without PE and N terminal

IP 65 | PS | RAL 7035 | 3 Wall 3



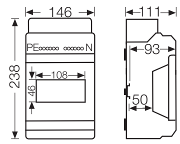
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1506

6 modules: 1 x 6 x 18 mm

IP 54 | PS | RAL 7035 | 3 Wall 3



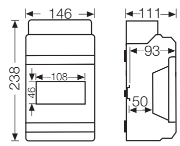
- 1-row
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1606

6 modules: 1 x 6 x 18 mm without PE and N terminal

IP 54 | PS | RAL 7035 | 3 Wall 3



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

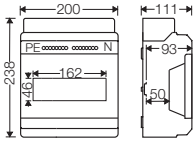
rated insulation voltage	U_i = 400 V a.c.

KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9109

9 modules: 1 x 9 x 18 mm

IP 65 | PS | RAL 7035 | 4 Wall 4



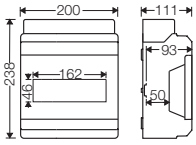
- 1-row
- per PE/N number x cross section 2 x 25 mm², 8 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8109

9 modules: 1 x 9 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 4 Wall 4



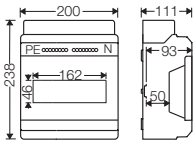
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1509

9 modules: 1 x 9 x 18 mm

IP 54 | PS | RAL 7035 | 4 Wall 4



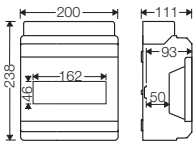
- 1-row
- per PE/N number x cross section 2 x 25 mm², 8 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1609

9 modules: 1 x 9 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 4 Wall 4



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes

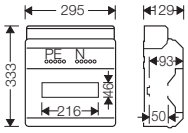
rated insulation voltage	U_i = 400 V a.c.

KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9112

12 modules: 1 x 12 x 18 mm

IP 65 | PS | RAL 7035 | 5 Wall 5



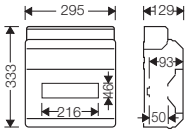
- 1-row
- per PE/N number x cross section 3 x 25 mm², 12 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8112

12 modules: 1 x 12 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 5 Wall 5



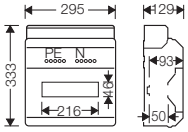
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1512

12 modules: 1 x 12 x 18 mm

IP 54 | PS | RAL 7035 | 5 Wall 5



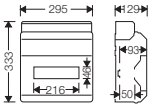
- 1-row
- per PE/N number x cross section 3 x 25 mm², 12 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1612

12 modules: 1 x 12 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 5 Wall 5



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

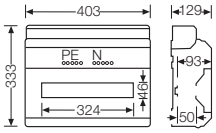
rated insulation voltage	U_i = 400 V a.c.

KV 9118

18 modules: 1 x 18 x 18 mm

IP 65 | PS | RAL 7035 | 6 Wall 6

- 1-row
- per PE/N number x cross section 4 x 25 mm², 16 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



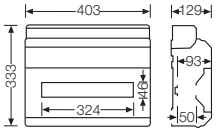
rated insulation voltage	U_i = 400 V a.c.

KV 8118

18 modules: 1 x 18 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 6 Wall 6

- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



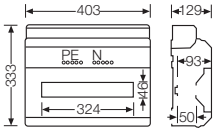
rated insulation voltage	U_i = 400 V a.c.

KV 1518

18 modules: 1 x 18 x 18 mm

IP 54 | PS | RAL 7035 | 6 Wall 6

- 1-row
- per PE/N number x cross section 4 x 25 mm², 16 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



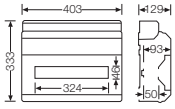
rated insulation voltage	U_i = 400 V a.c.

KV 1618

18 modules: 1 x 18 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 6 Wall 6

- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



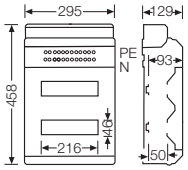
rated insulation voltage	U_i = 400 V a.c.

KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9224

24 modules: 2 x 12 x 18 mm

IP 65 | PS | RAL 7035 | 5 Wall 5



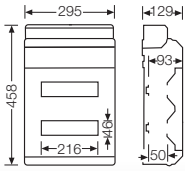
- 2-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8224

24 modules: 2 x 12 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 5 Wall 5



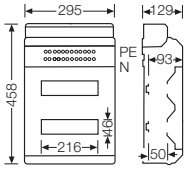
- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 2524

24 modules: 2 x 12 x 18 mm

IP 54 | PS | RAL 7035 | 5 Wall 5



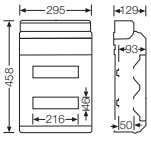
- 2-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 2624

24 modules: 2 x 12 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 5 Wall 5



- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

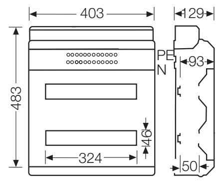
rated insulation voltage	U_i = 400 V a.c.

KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9236

IP 65 | PS | RAL 7035 | 6 Wall 6

36 modules: 2 x 18 x 18 mm



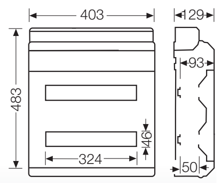
- 2-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 8236

IP 65 | PS | RAL 7035 | 6 Wall 6

36 modules: 2 x 18 x 18 mm
without PE and N terminal



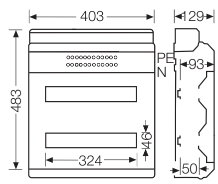
- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 2536

IP 54 | PS | RAL 7035 | 6 Wall 6

36 modules: 2 x 18 x 18 mm



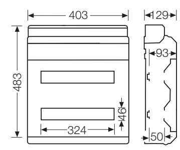
- 2-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 2636

IP 54 | PS | RAL 7035 | 6 Wall 6

36 modules: 2 x 18 x 18 mm
without PE and N terminal



- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

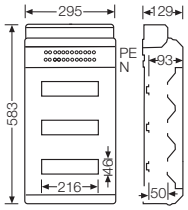
KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9336

36 modules: 3 x 12 x 18 mm

IP 65 | PS | RAL 7035 | 5 Wall 5

- 3-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



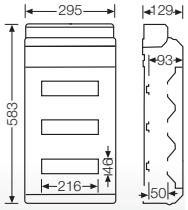
rated insulation voltage	U_i = 400 V a.c.

KV 8336

36 modules: 3 x 12 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 5 Wall 5

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



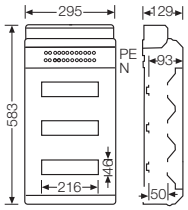
rated insulation voltage	U_i = 400 V a.c.

KV 3536

36 modules: 3 x 12 x 18 mm

IP 54 | PS | RAL 7035 | 5 Wall 5

- 3-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



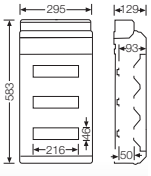
rated insulation voltage	U_i = 400 V a.c.

KV 3636

36 modules: 3 x 12 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 5 Wall 5

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



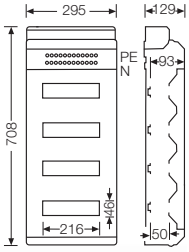
rated insulation voltage	U_i = 400 V a.c.

KV 9448

48 modules: 4 x 12 x 18 mm

IP 65 | PS | RAL 7035 | 5 Wall 5

- 4-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



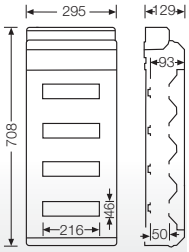
rated insulation voltage	U_i = 400 V a.c.

KV 8448

48 modules: 4 x 12 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 5 Wall 5

- 4-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



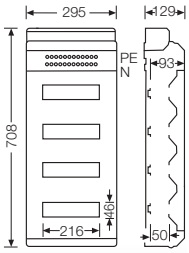
rated insulation voltage	U_i = 400 V a.c.

KV 4548

48 modules: 4 x 12 x 18 mm

IP 54 | PS | RAL 7035 | 5 Wall 5

- 4-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



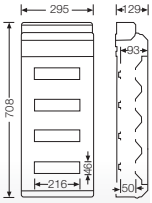
rated insulation voltage	U_i = 400 V a.c.

KV 4648

48 modules: 4 x 12 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 5 Wall 5

- 4-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



rated insulation voltage	U_i = 400 V a.c.

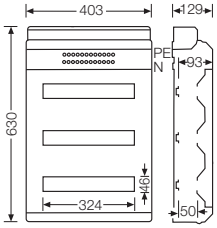
KV small-type distribution boards
Circuit breaker boxes
Cable Entry via Integrated Elastic Membranes

KV 9354

54 modules: 3 x 18 x 18 mm

IP 65 | PS | RAL 7035 | 6 Wall 6

- 3-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



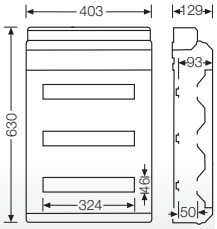
rated insulation voltage	U_i = 400 V a.c.

KV 8354

54 modules: 3 x 18 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 6 Wall 6

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



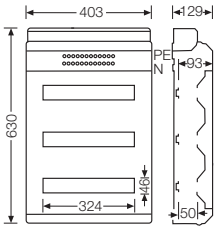
rated insulation voltage	U_i = 400 V a.c.

KV 3554

54 modules: 3 x 18 x 18 mm

IP 54 | PS | RAL 7035 | 6 Wall 6

- 3-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



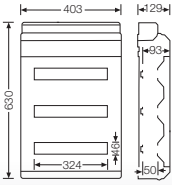
rated insulation voltage	U_i = 400 V a.c.

KV 3654

54 modules: 3 x 18 x 18 mm
without PE and N terminal

IP 54 | PS | RAL 7035 | 6 Wall 6

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

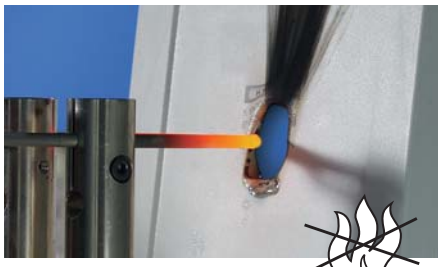


rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

- FIXCONNECT® terminal technology for PE and N
- connection for copper conductors

- 12 to 54 modules: attached blanking strips for DIN rail equipment openings.
- 3 to 9 modules: protective cover can be cut out



- Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing

- Integrated compartment for accessories - everything has its proper place.
- Screws made of stainless steel V2A.

- KV Small-type distribution boards with earthed armoured cables according to British Standard.

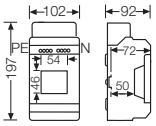
- Cable / Conduit entry via metric knock-outs

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 7103

3 modules: 1 x 3 x 18 mm

IP 65 | PS | RAL 7035 | 9 Wall 9



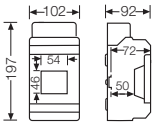
- 1-row
- knockouts: top and bottom walls 2x M20 each
- per PE/N number x cross section 1 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 6103

3 modules: 1 x 3 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 9 Wall 9



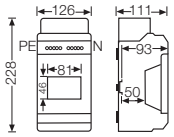
- 1-row
- knockouts: top and bottom walls 2x M20 each
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 7104

4.5 modules: 1 x 4.5 x 18 mm

IP 65 | PS | RAL 7035 | 13 Wall 13



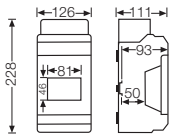
- 1-row
- knockouts: top and bottom walls 2x M20 and 1x M25/32 each
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 6104

4.5 modules: 1 x 4.5 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 13 Wall 13

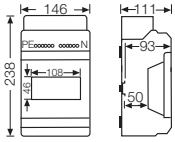


- 1-row
- knockouts: top and bottom walls 2x M20 and 1x M25/32 each
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 7106

6 modules: 1 x 6 x 18 mm

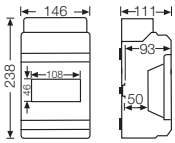


- 1-row
- knockouts: top and bottom walls 2x M20/25 and 1x M25/32 each
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 6106

6 modules: 1 x 6 x 18 mm
without PE and N terminal

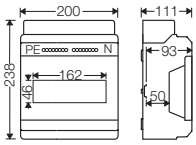


- 1-row
- knockouts: top and bottom walls 2x M20/25 and 1x M25/32 each
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 7109

9 modules: 1 x 9 x 18 mm

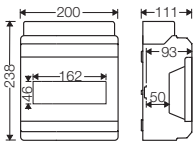


- 1-row
- knockouts: top and bottom walls 4x M20/25 and 1x M25/32 each
- per PE/N number x cross section 2 x 25 mm², 8 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 6109

9 modules: 1 x 9 x 18 mm
without PE and N terminal

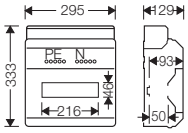


- 1-row
- knockouts: top and bottom walls 4x M20/25 and 1x M25/32 each
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV 9112 M

12 modules: 1 x 12 x 18 mm

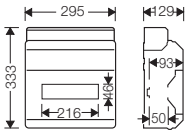


- 1-row
- per PE/N number x cross section 3 x 25 mm², 12 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 8112 M

12 modules: 1 x 12 x 18 mm without PE and N terminal

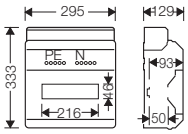


- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 1512 M

12 modules: 1 x 12 x 18 mm



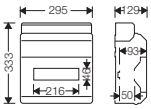
- 1-row
- per PE/N number x cross section 3 x 25 mm², 12 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 1612 M

12 modules: 1 x 12 x 18 mm
without PE and N terminal



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

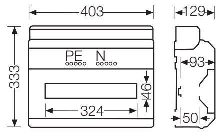
KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

ENYCASE
ENYBOARD
ENYSTAR
ENYMOD
ENYTEST
Technical Data
Types

KV 9118 M

18 modules: 1 x 18 x 18 mm

IP 65 | PS | RAL 7035 | 18 Wall 18



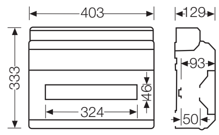
- 1-row
- per PE/N number x cross section 4 x 25 mm², 16 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 8118 M

18 modules: 1 x 18 x 18 mm
without PE and N terminal

IP 65 | PS | RAL 7035 | 18 Wall 18



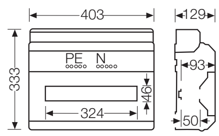
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 1518 M

18 modules: 1 x 18 x 18 mm

IP 54 | PS | RAL 7035 | 18 Wall 18



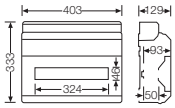
- 1-row
- per PE/N number x cross section 4 x 25 mm², 16 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 1618 M

18 modules: 1 x 18 x 18 mm
without PE and N terminal

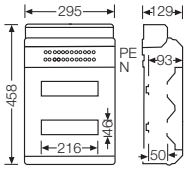


- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 9224 M

24 modules: 2 x 12 x 18 mm

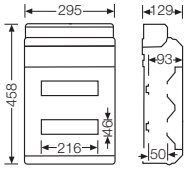


- 2-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 8224 M

24 modules: 2 x 12 x 18 mm without PE and N terminal

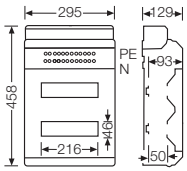


- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 2524 M

24 modules: 2 x 12 x 18 mm



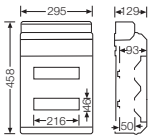
- 2-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 2624 M

24 modules: 2 x 12 x 18 mm
without PE and N terminal

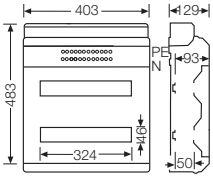


- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 9236 M

36 modules: 2 x 18 x 18 mm

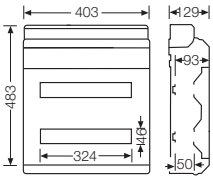


- 2-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 8236 M

36 modules: 2 x 18 x 18 mm
without PE and N terminal

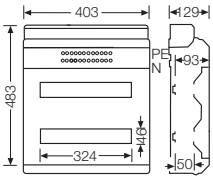


- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 2536 M

36 modules: 2 x 18 x 18 mm

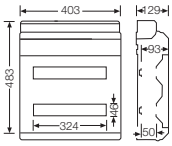


- 2-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 2636 M

36 modules: 2 x 18 x 18 mm
without PE and N terminal

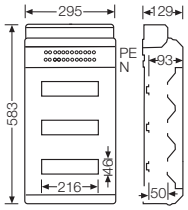


- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 9336 M

36 modules: 3 x 12 x 18 mm

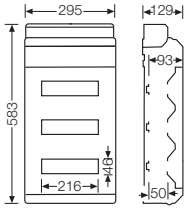


- 3-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 8336 M

36 modules: 3 x 12 x 18 mm
without PE and N terminal

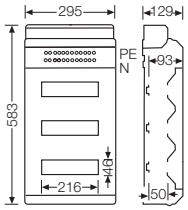


- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 3536 M

36 modules: 3 x 12 x 18 mm



- 3-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

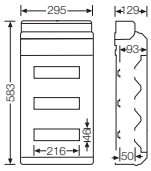
rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 3636 M

36 modules: 3 x 12 x 18 mm
without PE and N terminal

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each



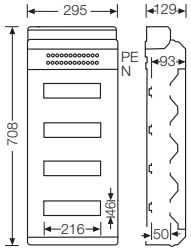
rated insulation voltage	U_i = 400 V a.c.

KV 9448 M

48 modules: 4 x 12 x 18 mm

IP 65 | PS | RAL 7035 | 17 Wall 17

- 4-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each



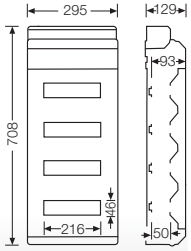
rated insulation voltage	U_i = 400 V a.c.

KV 8448 M

48 modules: 4 x 12 x 18 mm without PE and N terminal

IP 65 | PS | RAL 7035 | 17 Wall 17

- 4-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each



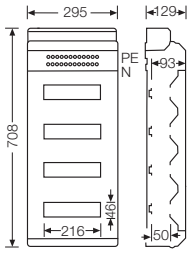
rated insulation voltage	U_i = 400 V a.c.

KV 4548 M

48 modules: 4 x 12 x 18 mm

IP 54 | PS | RAL 7035 | 17 Wall 17

- 4-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each



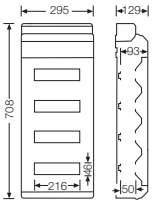
rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 4648 M

48 modules: 4 x 12 x 18 mm
without PE and N terminal

- 4-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each



rated insulation voltage	U_i = 400 V a.c.

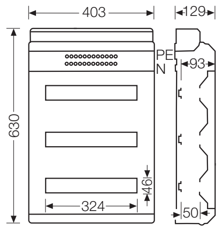
KV Small-type Distribution Boards
Circuit Breaker Boxes
Cable Entry via Metric Knockouts

KV 9354 M

IP 65 | PS | RAL 7035 | 18 Wall 18

54 modules: 3 x 18 x 18 mm

- 3-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each



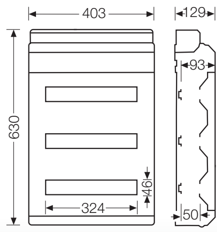
rated insulation voltage	U_i = 400 V a.c.

KV 8354 M

IP 65 | PS | RAL 7035 | 18 Wall 18

54 modules: 3 x 18 x 18 mm
without PE and N terminal

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each



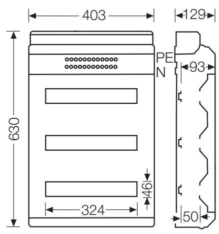
rated insulation voltage	U_i = 400 V a.c.

KV 3554 M

IP 54 | PS | RAL 7035 | 18 Wall 18

54 modules: 3 x 18 x 18 mm

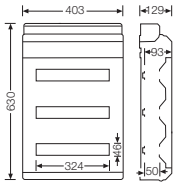
- 3-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each



rated insulation voltage	U_i = 400 V a.c.

KV 3654 M

54 modules: 3 x 18 x 18 mm
without PE and N terminal



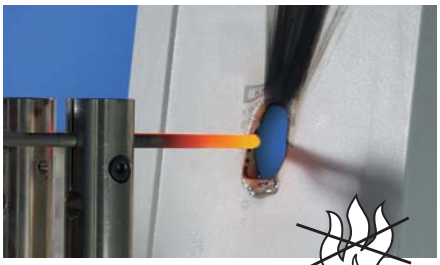
- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

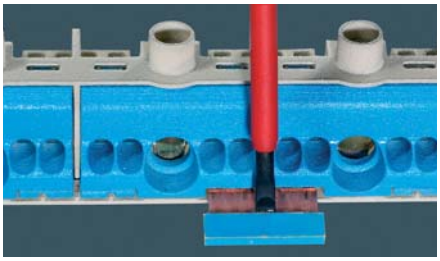
KV Small-type Distribution Boards
„Weatherproof“, for Outdoor Installation (harsh Environment and/or Outdoor)

- FIXCONNECT® terminal technology for PE and N
- connection for copper conductors

- 12 to 54 modules: attached blanking strips for DIN rail equipment openings.
- 3 to 9 modules: protective cover can be cut out

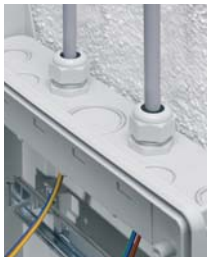


- Burning behaviour: Glow wire test according to IEC 60 695-2-11: 960 °C, flame-retardant, self-extinguishing



- KV Small-type distribution boards with up to four disconnectable N-potentials in one bar enabel the installation of RCDs without additional efforts or accessories.

- Integrated compartment for accessories - everything has its proper place.
- Screws made of stainless steel V2A.



- Cable entry via integrated elastic membranes or
- via metric knockouts

KV Small-type Distribution Boards
„Weatherproof“, for Outdoor Installation (Harsh Environment and/or Outdoor)

The enclosures are suitable for the outdoor installation - harsh envirionment and / or outdoor.

The materials used for the system are basically UV resistant, so that the mechanical resistance of the boxes is maintained during UV effect.

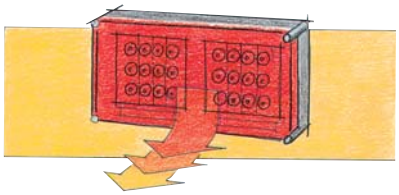
Direct solar radiation and power dissipation can overheat the interior of the enclosure. Also affect lower outdoor temperatures, e.g. below -5 ° C, the device technology. Therefore, the climatic influences and effects on the device technology must be considered.

The top side of the boxes should be protected by a cover against weather influences such as rain, ice and snow. Further on, also chemical influences have to be considered with the selection of the installation place - apart from the IP rating and climatic effects.

In order to keep the maximum permissible ambient temperature of the installed equipment as well as for the prevention from condensation additional measures, such as ventilation and/or heating may be necessary (observe degree of protection).

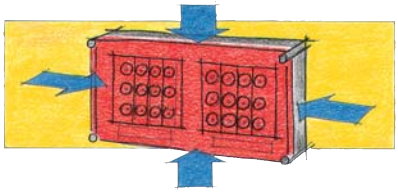
How does condensed water occur in enclosures with a high degree of protection?
The problem of condensed water forming in electrical installations only occurs in enclosures with a degree of protection ≥ IP 54 since the temperature adjustment that is carried out from inside to outside is too low due to the high density of the enclosure and its material.

System switched on.



The internal temperature is higher than the external temperature due to the power dissipation of the built-in devices.

System switched on.



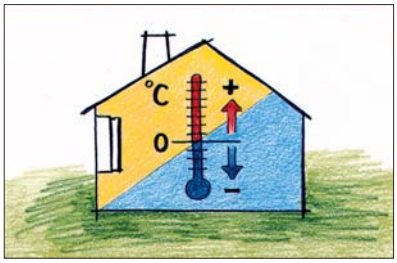
The warm air inside the enclosure attempts to accumulate moisture. This comes from outside through the seal as the enclosures are not gas-tight.

System switched off.

The internal temperature is reduced by cooling down the system e.g. by switching off the loads. The cooler air emits moisture which is collected as condensed water on the cooling inner surfaces.

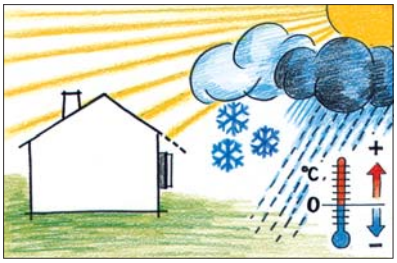
How does condensed water occur in enclosures with a high degree of protection?

Formation of condensed water for **indoor installations:**



In areas where high levels of air humidity and large temperature fluctuations are expected e.g. in laundry rooms. kitchens. car washes etc.

Formation of condensed water in **protected outdoor installations** (protected against weather influences) **or unprotected outdoor** installations:

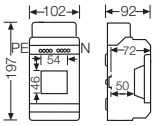


Here condensed water can be formed dependent on the weather, high air humidity, direct sunlight and temperature differences compared to the wall.

KV PC 9103

3 modules: 1 x 3 x 18 mm

- 1-row
- knockouts: top and bottom walls 2x M20 each
- per PE/N number x cross section 1 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

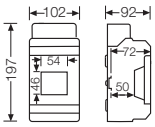


rated insulation voltage	U_i = 400 V a.c.

KV PC 6103

3 modules: 1 x 3 x 18 mm
without PE and N terminal

- 1-row
- knockouts: top and bottom walls 2x M20 each
- order PE/N terminals separately
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

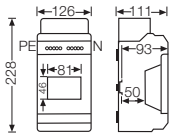


rated insulation voltage	U_i = 400 V a.c. U_i = 1000 V d.c.

KV PC 9104

4.5 modules: 1 x 4.5 x 18 mm

- 1-row
- knockouts: top and bottom walls 2x M20 and 1x M25/32 each
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

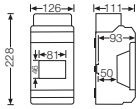


rated insulation voltage	U_i = 400 V a.c.

KV PC 6104

4.5 modules: 1 x 4.5 x 18 mm
without PE and N terminal

IP 65 | PC | RAL 7035 | 13 Wall 13



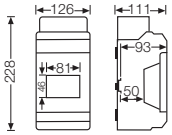
- 1-row
- knockouts: top and bottom walls 2x M20 and 1x M25/32 each
- order PE/N terminals separately
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c. U_i = 1000 V d.c.

KV PC 8104

4.5 modules: 1 x 4.5 x 18 mm
without PE and N terminal

IP 65 | PC | RAL 7035



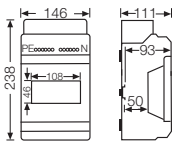
- 1-row
- order PE/N terminals separately
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- box walls without knockouts

rated insulation voltage	U_i = 400 V a.c. U_i = 1000 V d.c.

KV PC 9106

6 modules: 1 x 6 x 18 mm

IP 65 | PC | RAL 7035 | 14 Wall 14



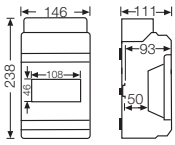
- 1-row
- knockouts: top and bottom walls 2x M20/25 and 1x M25/32 each
- per PE/N number x cross section 2 x 25 mm², 4 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV PC 6106

IP 65 | PC | RAL 7035 | 14 Wall 14

6 modules: 1 x 6 x 18 mm
without PE and N terminal



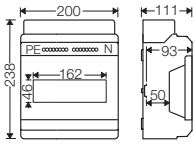
- 1-row
- knockouts: top and bottom walls 2x M20/25 and 1x M25/32 each
- order PE/N terminals separately
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c. U_i = 1000 V d.c.

KV PC 9109

IP 65 | PC | RAL 7035 | 15 Wall 15

9 modules: 1 x 9 x 18 mm



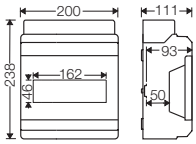
- 1-row
- knockouts: top and bottom walls 4x M20/25 and 1x M25/32 each
- per PE/N number x cross section 2 x 25 mm², 8 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c.

KV PC 6109

IP 65 | PC | RAL 7035 | 15 Wall 15

9 modules: 1 x 9 x 18 mm
without PE and N terminal

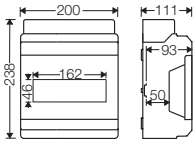


- 1-row
- knockouts: top and bottom walls 4x M20/25 and 1x M25/32 each
- order PE/N terminals separately
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out

rated insulation voltage	U_i = 400 V a.c. U_i = 1000 V d.c.

KV PC 8109

9 modules: 1 x 9 x 18 mm
without PE and N terminal

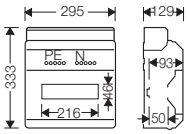


- 1-row
- order PE/N terminals separately
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- box walls without knockouts

rated insulation voltage	U_i = 400 V a.c. U_i = 1000 V d.c.

KV PC 9112

12 modules: 1 x 12 x 18 mm

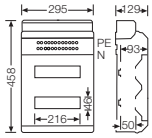


- 1-row
- cable entry via integrated elastic membranes
- per PE/N number x cross section 3 x 25 mm², 12 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- lateral enclosure connections can be managed by drilling

rated insulation voltage	U_i = 400 V a.c.

KV PC 9224

24 modules: 2 x 12 x 18 mm



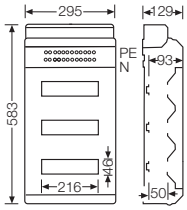
- 2-row
- cable entry via integrated elastic membranes
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- lateral enclosure connections can be managed by drilling

rated insulation voltage	U_i = 400 V a.c.

KV PC 9336

36 modules: 3 x 12 x 18 mm

- 3-row
- cable entry via integrated elastic membranes
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- lateral enclosure connections can be managed by drilling

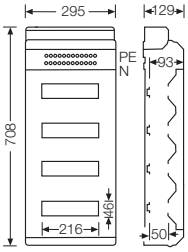


rated insulation voltage	U_i = 400 V a.c.

KV PC 9448

48 modules: 4 x 12 x 18 mm

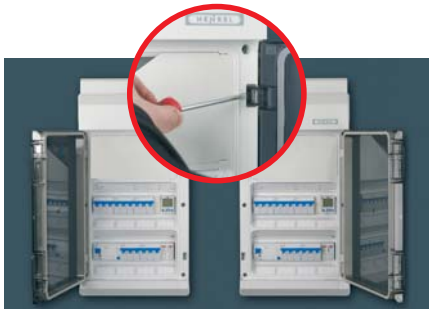
- 4-row
- cable entry via integrated elastic membranes
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for indoor (normal environment and/or protected outdoor) and outdoor installation (harsh environment and/or outdoor)
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- lateral enclosure connections can be managed by drilling



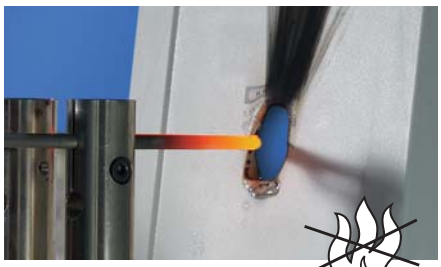
rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Conduit Entry via Integrated Elastic Membranes

- Conduit entry via integrated elastic membranes



- Door hinging interchangeable fast and easy from left to right.



- Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing

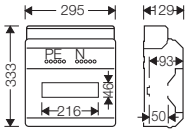
- 12 to 54 modules: attached blanking strips for DIN rail equipment openings

- Plenty of space for installation and wiring: Easy access to built-in equipment by lower side walls.

- Integrated compartment for accessories - everything has its proper place.
- Screws made of stainless steel V2A.

KV 1712

12 modules: 1 x 12 x 18 mm

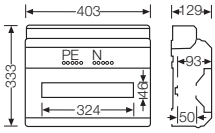


- 1-row
- per PE/N number x cross section 3 x 25 mm², 12 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 1718

18 modules: 1 x 18 x 18 mm

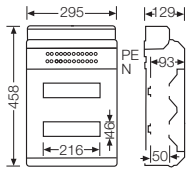


- 1-row
- per PE/N number x cross section 4 x 25 mm², 16 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 2724

24 modules: 2 x 12 x 18 mm

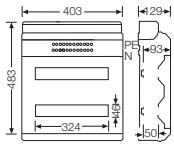


- 2-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 2736

36 modules: 2 x 18 x 18 mm

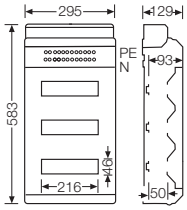


- 2-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 3736

36 modules: 3 x 12 x 18 mm

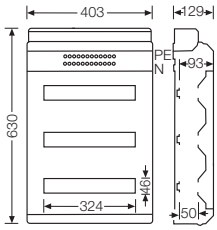


- 3-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 3754

54 modules: 3 x 18 x 18 mm



- 3-row
- per PE/N number x cross section 8 x 25 mm², 32 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes

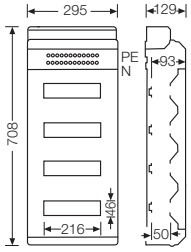
rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards
Circuit Breaker Boxes
Conduit Entry via Integrated Elastic Membranes

KV 4748

48 modules: 4 x 12 x 18 mm

- 4-row
- per PE/N number x cross section 6 x 25 mm², 24 x 4 mm² Cu, FIXCONNECT® terminal technology, for terminal technology refer to technical data
- N separable for various potentials
- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- with cable glands for conduits and elastic membranes



rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards

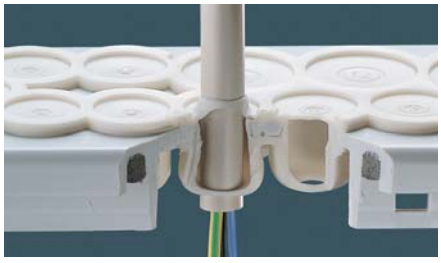
Circuit Breaker Boxes with Additional Space for Electrical Devices not to be Manually Actuated Cable Entry via Integrated Elastic Membranes

- Compact user friendly solution, optically optimized.
- Pre-assembly and wiring are possible inthe workshop when terminal blocks are provided for.

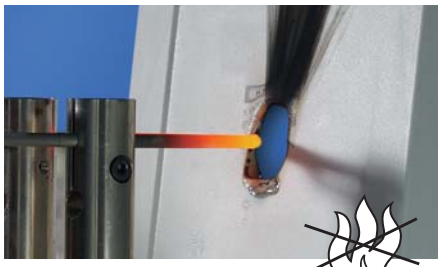
- Additional space with DIN rail over the total enclosure width for electrical devices not to be manually actuated. Installation depth 72 mm. Installation height max. 125 mm resp. 150 mm.

- DIN rail equipment (dimensions according to DIN 43 880) can be installed in the same enclosure.

- Integrated compartment for accessories - everything has its proper place.
- Screws made of stainless steel V2A.



- Cable entry via integrated elastic membranes



- Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing

HENSEL

ENYBOARD

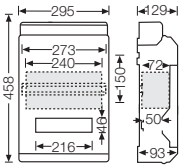
KV Small-type Distribution Boards

Circuit Breaker Boxes with Additional Space for Electrical Devices Not to be Manually Actuated Cable Entry via Integrated Elastic Membranes

KV 9220

12 modules: 1 x 12 x 18 mm without PE and N terminal

IP 65 | PS | RAL 7035 | 5 Wall 5



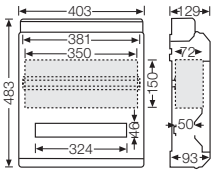
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 273 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 9230

18 modules: 1 x 18 x 18 mm without PE and N terminal

IP 65 | PS | RAL 7035 | 6 Wall 6



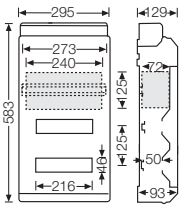
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 381 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

KV 9330

24 modules: 2 x 12 x 18 mm without PE and N terminal

IP 65 | PS | RAL 7035 | 5 Wall 5



- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 273 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

rated insulation voltage	U_i = 400 V a.c.

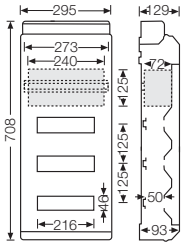
KV Small-type Distribution Boards

Circuit Breaker Boxes with Additional Space for Electrical Devices Not to be Manually Actuated Cable Entry via Integrated Elastic Membranes

KV 9440

36 modules: 3 x 12 x 18 mm
without PE and N terminal

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 273 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes

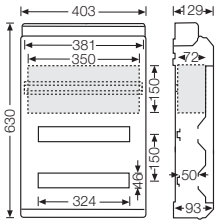


rated insulation voltage	U_i = 400 V a.c.

KV 9350

36 modules: 2 x 18 x 18 mm
without PE and N terminal

- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 381 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- cable entry via integrated elastic membranes



rated insulation voltage	U_i = 400 V a.c.

KV Small-type Distribution Boards

Circuit Breaker Boxes with Additional Space for Electrical Devices Not to be Manually Actuated Cable Entry via Metric Knockouts

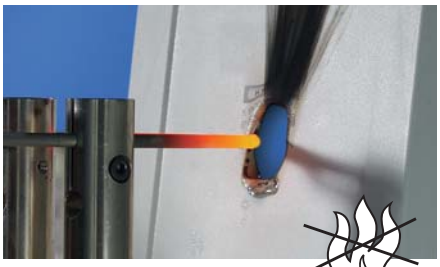
- Compact user friendly solution, optically optimized.
- Pre-assembly and wiring are possible inthe workshop when terminal blocks are provided for.

- Additional space with DIN rail over the total enclosure width for electrical devices not to be manually actuated. Installation depth 72 mm. Installation height max. 125 mm resp. 150 mm.

- DIN rail equipment (dimensions according to DIN 43 880) can be installed in the same enclosure.

- Integrated compartment for accessories - everything has its proper place.
- Screws made of stainless steel V2A.

- Cable / concuit entry via metric knockouts



- Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing

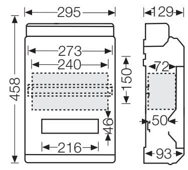
KV Small-type Distribution Boards

Circuit Breaker Boxes with Additional Space for Electrical Devices Not to be Manually Actuated
Cable Entry via Metric Knockouts

KV 9220 M

IP 65 | PS | RAL 7035 | 17 Wall 17

12 modules: 1 x 12 x 18 mm
without PE and N terminal



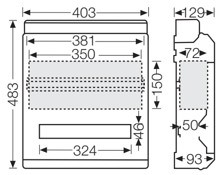
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 273 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 9230 M

IP 65 | PS | RAL 7035 | 18 Wall 18

18 modules: 1 x 18 x 18 mm
without PE and N terminal



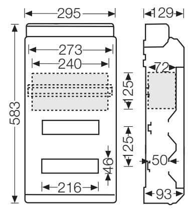
- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 381 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

KV 9330 M

IP 65 | PS | RAL 7035 | 17 Wall 17

24 modules: 2 x 12 x 18 mm
without PE and N terminal



- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 273 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

rated insulation voltage	U_i = 400 V a.c.

ENYCASE DK
ENYBOARD KV
ENYSTAR
ENYMOD Mi
ENYFEST
Technical Data
Types

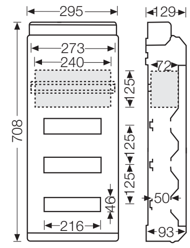
KV Small-type Distribution Boards

Circuit Breaker Boxes with Additional Space for Electrical Devices Not to be Manually Actuated Cable Entry via Metric Knockouts

KV 9440 M

36 modules: 3 x 12 x 18 mm
without PE and N terminal

- 3-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 273 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4x M20, 2x M20/25 and 1x M32 each

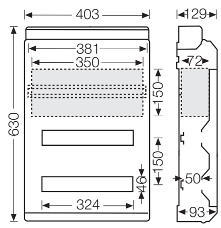


rated insulation voltage	U_i = 400 V a.c.

KV 9350 M

36 modules: 2 x 18 x 18 mm
without PE and N terminal

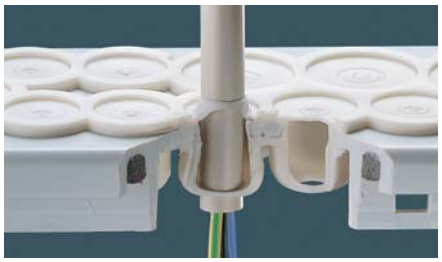
- 2-row
- order PE/N terminals separately
- for the installation of DIN rail equipment, top hat profile 35 mm
- with additional space for electrical devices not to be manually actuated
- with 1 DIN rail, 381 mm wide, for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- with transparent door
- for locking device for door and facility for sealing refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 12x M20, 2x M20/25 and 1x M32 each



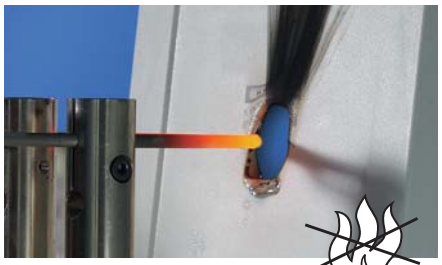
rated insulation voltage	U_i = 400 V a.c.

enyCASE
enyBOARD KV
enySTAR
enyMOD
enyTEST
Technical Data
Types

- KG empty boxes:
  Cable entry via metric knock outs.



- Cable entry via integrated elastic membranes.
- (exept for KG Empty boxes)



- Burning behaviour:
  Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing

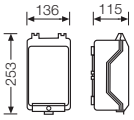
- Screws made of stainless steel V2A.

KV Small-type Distribution Boards
Empty Boxes IP 55/IP 65 with Transparent Hinged Lid

KG 9001

degree of protection: IP 55 (ESM), IP 65 (see cable entry systems LES)

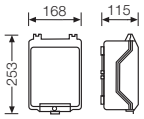
- for installation equipment on DIN rails or mounting plates
- max. installation depth with built-in mounting plate 95 mm, with built-in DIN rail 89 mm
- with transparent hinged lid
- fastener for tool operation
- sealable
- cable entry via metric knockouts
- included cable entry:
  2 ESM 25, sealing range Ø 9-17 mm and
  1 ESM 32, sealing range Ø 9-23 mm



KG 9002

degree of protection: IP 55 (ESM), IP 65 (see cable entry systems LES)

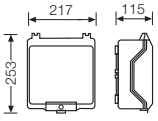
- for installation equipment on DIN rails or mounting plates
- max. installation depth with built-in mounting plate 95 mm, with built-in DIN rail 89 mm
- with transparent hinged lid
- fastener for tool operation
- sealable
- cable entry via metric knockouts
- included cable entry:
  2 ESM 25, sealing range Ø 9-17 mm and
  1 ESM 32, sealing range Ø 9-23 mm



KG 9003

degree of protection: IP 55 (ESM), IP 65 (see cable entry systems LES)

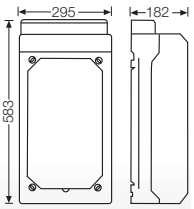
- for installation equipment on DIN rails or mounting plates
- max. installation depth with built-in mounting plate 95 mm, with built-in DIN rail 89 mm
- with transparent hinged lid
- fastener for tool operation
- sealable
- cable entry via metric knockouts
- included cable entry:
  2 ESM 25, sealing range Ø 9-17 mm and
  1 ESM 32, sealing range Ø 9-23 mm



KV 9331

degree of protection: IP 65

- for installation of devices via installed mounting plate
- max. installation depth: 160 mm
- with transparent lid
- fastener for tool operation
- sealable
- with cable entry cover
- cable entry via integrated elastic membranes

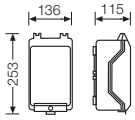


KV Small-type Distribution Boards
Empty Boxes IP 55/IP 65 with Opaque Hinged Lid

KG 9001 IN

degree of protection: IP 55 (ESM), IP 65 (see cable entry systems LES)

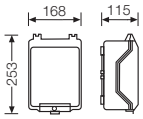
- for installation equipment on DIN rails or mounting plates
- max. installation depth with built-in mounting plate 95 mm, with built-in DIN rail 89 mm
- with opaque hinged lid
- fastener for tool operation
- sealable
- cable entry via metric knockouts
- included cable entry:
  2 ESM 25, sealing range Ø 9-17 mm and
  1 ESM 32, sealing range Ø 9-23 mm



KG 9002 IN

degree of protection: IP 55 (ESM), IP 65 (see cable entry systems LES)

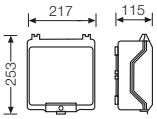
- for installation equipment on DIN rails or mounting plates
- max. installation depth with built-in mounting plate 95 mm, with built-in DIN rail 89 mm
- with opaque hinged lid
- fastener for tool operation
- sealable
- cable entry via metric knockouts
- included cable entry:
  2 ESM 25, sealing range Ø 9-17 mm and
  1 ESM 32, sealing range Ø 9-23 mm



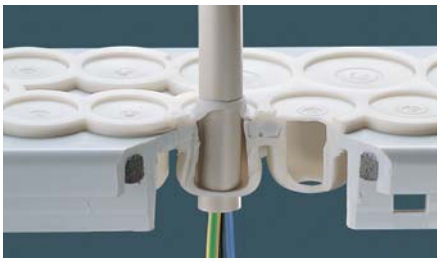
KG 9003 IN

degree of protection: IP 55 (ESM), IP 65 (see cable entry systems LES)

- for installation equipment on DIN rails or mounting plates
- max. installation depth with built-in mounting plate 95 mm, with built-in DIN rail 89 mm
- with opaque hinged lid
- fastener for tool operation
- sealable
- cable entry via metric knockouts
- included cable entry:
  2 ESM 25, sealing range Ø 9-17 mm and
  1 ESM 32, sealing range Ø 9-23 mm



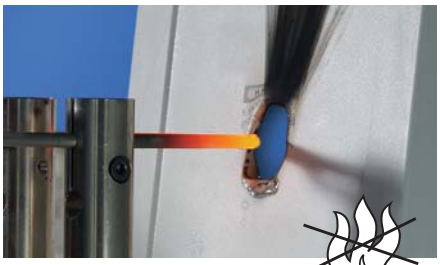
KV Small-type Distribution Boards
KWH Meter Boxes
Cable Entry via Integrated Elastic Membranes



- Cable entry with integrated elastic sealing membranes

- Sealable

- Screws made of stainless steel V2A.



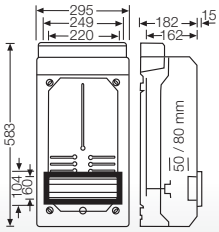
- Burning behaviour:
- Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant

KV 9337

Use in areas under control or reponsibility of local power supply companies degree of protection: IP 65

- with KWH meter support and meter fastening screws for meters with three-point mounting
- max. installation depth: 162 mm
- with hinged flap and protection cover for 12 modules (12 x 18 mm)
- with DIN-rail belonging to it
- with transparent lid
- fasteners for tool operation
- sealable
- with cable entry cover
- cable entry via integrated elastic membranes

IP 65 | PS | RAL 7035 | 5 Wall 5

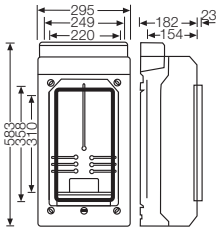


KV 9338

Use in areas under control or reponsibility of local power supply companies degree of protection: IP 54

- with KWH meter support and meter fastening screws for meters with three-point mounting
- max. installation depth: 154 mm
- with KWH meter window flap, sealable
- for maximum KWH meters, time switches etc.
- standard opening dimensions 140 x 310 mm
- for tool or manual operation
- for padlock (clip Ø max. 6 mm)
- with additional DIN rail
- length of DIN rail 172 mm
- with transparent lid
- fasteners for tool operation
- sealable
- with cable entry cover
- cable entry via integrated elastic membranes

IP 54 | PS | RAL 7035 | 5 Wall 5

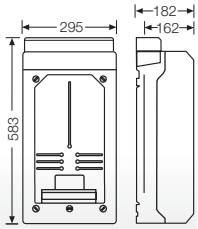


KV 9339

Use in areas under control or reponsibility of local power supply companies degree of protection: IP 65

- with KWH meter support and meter fastening screws for meters with three-point mounting
- max. installation depth: 162 mm
- with additional DIN rail
- length of DIN rail 172 mm
- with transparent lid
- fasteners for tool operation
- sealable
- with cable entry cover
- cable entry via integrated elastic membranes

IP 65 | PS | RAL 7035 | 5 Wall 5



EVS 16

Press-in connecting glands

IP 54 | TPE | RAL 7035

- degree of protection: IP 54
- for lateral box assembly of KV and KG boxes
- cable feed-through for Ø up to 19 mm
- for bore-hole Pg 16, Ø 23 mm

length	15 mm

AVS 16

Threaded connecting glands

IP 65 | PA | RAL 7035

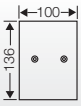
- degree of protection: IP 65
- for lateral box assembly of KV and KG boxes
- cable feed-through for Ø up to 15 mm
- for bore-hole Pg 16, Ø 23 mm

length	21,5 mm

KG MP 01

Mounting plate for KG 9001

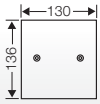
- material laminated paper, coated
- material thickness 4 mm
- with fixing screws



KG MP 02

Mounting plate for KG 9002

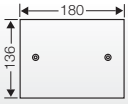
- material laminated paper, coated
- material thickness 4 mm
- with fixing screws



KG MP 03

Mounting plate for KG 9003

- material laminated paper, coated
- material thickness 4 mm
- with fixing screws



KG TS 01

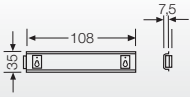
DIN rail for KG 9001

- in accordance with DIN EN 60715
- for equipment or terminals with clip-on mounting
- with fixing screws

KG TS 02

DIN rail for KG 9002

- in accordance with DIN EN 60715
- for equipment or terminals with clip-on mounting
- with fixing screws



KG TS 03

DIN rail for KG 9003

- in accordance with DIN EN 60715
- for equipment or terminals with clip-on mounting
- with fixing screws

KHR 01

Cable retention
for cable diameter 6,5 - 14 mm

- set with 10 x 6 cable rentention rings
- 30 pieces for cable diameter 6,5 - 10 mm
- 30 pieces for cable diameter 10 - 14 mm

KHR 02

Cable retention
for cable diameter 10 - 16 mm

- set with 10 x 6 cable rentention rings
- 30 pieces for cable diameter 10 - 14 mm
- 30 pieces for cable diameter 13 - 16 mm

KV FC 03

PE and N terminal
per PE/N 1 x 25 mm², 4 x 4 mm² Cu

- for small-type distribution boards with 3 modules
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data

rated insulation voltage	U_i = 400 V a.c.

KV FC 04

PE and N terminal
per PE/N 2 x 25 mm², 4 x 4 mm², Cu

- for small-type distribution boards with 4.5 modules
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data

rated insulation voltage	U_i = 400 V a.c.

KV FC 06

PE and N terminal
per PE/N 2 x 25 mm², 4 x 4 mm², Cu

- for small-type distribution boards with 6 modules
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data

rated insulation voltage	U_i = 400 V a.c.

KV FC 09

PE and N terminal
PE/N 2 x 25 mm², 8 x 4 mm², Cu each

- for small-type distribution boards with 9 modules
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data

rated insulation voltage	U_i = 400 V a.c.

KV FC 12

PE and N terminal
per PE/N 3 x 25 mm², 12 x 4 mm², Cu

- for small-type distribution boards with 12 modules and KV empty boxes
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data
- N separable for various potentials

rated insulation voltage	U_i = 400 V a.c.

KV FC 18

PE and N terminal
per PE/N 4 x 25 mm², 16 x 4 mm², Cu

- for small-type distribution boards with 18 modules per row
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data
- N separable for various potentials

rated insulation voltage	U_i = 400 V a.c.

KV FC 24

PE and N terminal
per PE/N 6 x 25 mm², 24 x 4 mm², Cu

- for small-type distribution boards with 12 modules and KV empty boxes
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data
- N separable for various potentials

rated insulation voltage	U_i = 400 V a.c.

KV FC 36

PE and N terminal
per PE/N 8 x 25 mm², 32 x 4 mm², Cu

- for small-type distribution boards with 18 modules per row
- FIXCONNECT® plug-in terminal technology, for terminal technology refer to technical data
- N separable for various potentials

rated insulation voltage	U_i = 400 V a.c.

KV NP 16

PE and N terminal

- for retrofitting in KV-Small-type distribution boards KV 0112 / KV 0124 / KV 0136 / KV 0212 / KV 0224 / KV 0236
- per PE/N number x cross section 2 x 25 mm², 10 x 4 mm² Cu, screw-type terminal

rated insulation voltage	U_i = 400 V a.c.

KV NP 32

PE and N terminal

- for retrofitting in KV-Small-type distribution boards KV 0112 / KV 0124 / KV 0136 / KV 0212 / KV 0224 / KV 0236
- per PE/N number x cross section 32 x 16 mm² Cu, screw-type terminal

rated insulation voltage	U_i = 400 V a.c.

KG PN 01

PE and N terminal

- for KG 9001
- per PE/N number x cross section 3 x 25 mm², 3 x 4 mm² Cu, screw-type terminal

rated insulation voltage	U_i = 400 V a.c.

KG PN 02

PE and N terminal

- for KG 9002
- PE+N x cross section 3 x 25 mm², 5 x 4 mm² Cu, screw-type terminal

rated insulation voltage	U_i = 400 V a.c.

KG PN 03

PE and N terminal

- for KG 9003
- per PE/N number x cross section 4 x 25 mm², 7 x 4 mm² Cu, screw-type terminal

rated insulation voltage	U_i = 400 V a.c.

FC BS 5

FIXCONNECT® labelling system set with 5 pieces

- labelling system for FIXCONNECT® plug-in terminals, not for terminals 2x25 / 4x4 mm²
- for attaching of labelling strips or marking with felt tip pen

FC BS 6

FIXCONNECT® labelling system

- labelling system for FIXCONNECT® plug-in terminals, for terminals 2x25 / 4x4 mm²
- for attaching of labelling strips or marking with felt tip pen
- set with 5 pieces

KV EB 03

Cable entry cover

RAL 7035

- for small-type distribution boards with 3 modules
- for replacement purposes (1 cable entry cover included with supply of the board)

KV EB 04

Cable entry cover

RAL 7035

- for small-type distribution boards with 4.5 modules
- for replacement purposes (1 cable entry cover included with supply of the board)

KV EB 06

Cable entry cover

RAL 7035

- for small-type distribution boards with 6 modules
- for replacement purposes (1 cable entry cover included with supply of the board)

KV EB 09

Cable entry cover

RAL 7035

- for small-type distribution boards with 9 modules
- and for KV 9325, KV 9363
- for replacement purposes (1 cable entry cover included with supply of the board)

KV EB 12

Cable entry cover

RAL 7035

- for small-type distribution boards with 12 modules per row
- only order additionally if the cable entry should be covered at the top and bottom (1 cable entry cover included with supply of the board)

KV EB 18

Cable entry cover

RAL 7035

- for small-type distribution boards with 18 modules per row
- only order additionally if the cable entry should be covered at the top and bottom (1 cable entry cover included with supply of the board)

KV EB 26

Cable entry cover

RAL 7035

- for small-type distribution boards KV 0112, KV 0212, KV 0124, KV 0224, KV 0136, KV 0236
- only order additionally if the cable entry should be covered at the top and bottom (1 cable entry cover included with supply of the board)

KV ES 1

Locking device
for small-type distribution boards 12 - 54 modules

- profile cylinder with 2 keys

KV ES 2

Spare key

- for door lock KV ES 1 or KV ES 3
- 2 pieces

KV ES 3

Locking device
for small-type distribution boards 3 - 9 modules

- and for KV 9325, KV 9363
- profile cylinder with 2 keys

KV PL 2

Facility for sealing
for small-type distribution boards 12 - 54 modules

- for sealing the top and bottom parts of the box (doors can be sealed without accessories)

KV PL 3

Facility for sealing
for small-type distribution boards 3 - 9 modules

- and for KV 9325, KV 9363
- for sealing the top and bottom parts of the box (doors can be sealed without accessories)

AS 12

Blanking strip
12 modules

RAL 7035

- 12 x 18 mm, divisible every 9 mm
- for the covering of spare equipment openings, for material thickness up to 3 mm

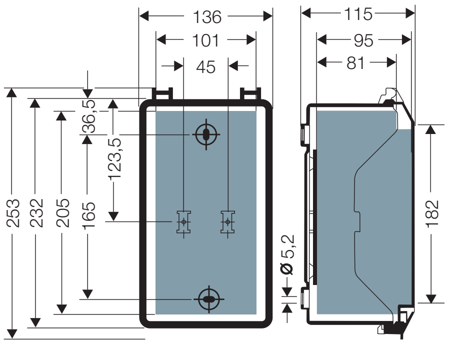
AS 18

Blanking strip
18 modules

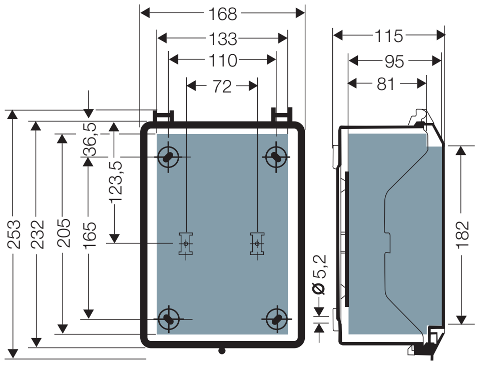
RAL 7035

- 18 X 18 mm, divisible every 9 mm
- for the covering of spare equipment openings, for material thickness up to 3 mm

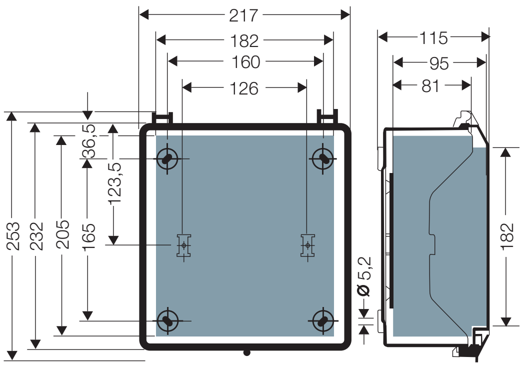
KV Small-type Distribution Boards
Technical Details
Detail Dimensions in mm



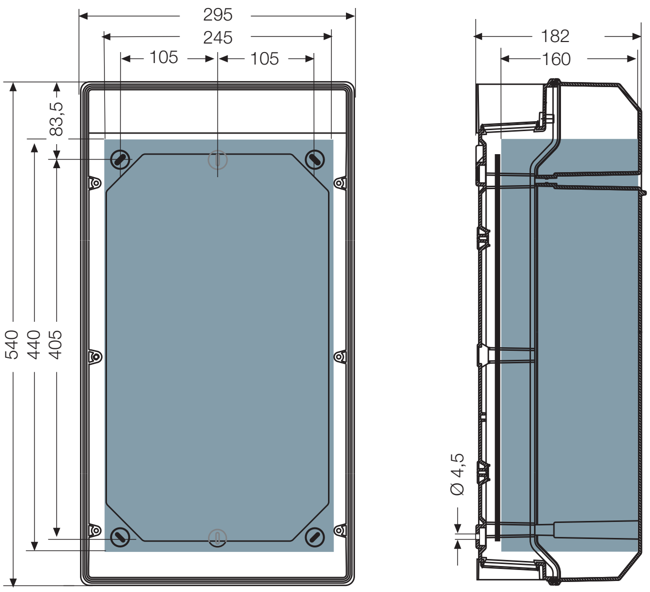
KG 9001



KG 9002



KG 9003

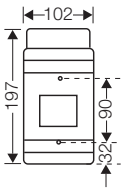


KV 9331

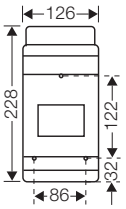
usable installation space which mounted cable glands

Wall mounting for screws up to 4.5 mm diameter.

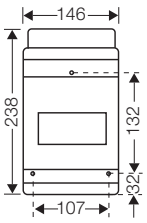
Circuit breaker boxes
3 modules



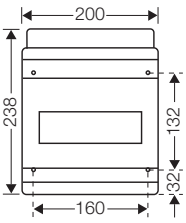
Circuit breaker boxes
4.5 modules



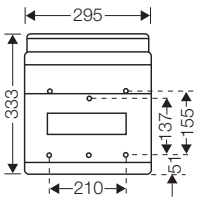
Circuit breaker boxes
6 modules



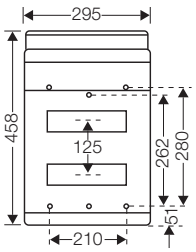
Circuit breaker boxes
9 modules



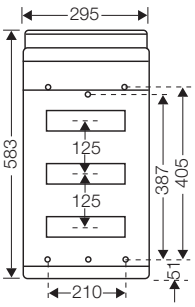
Circuit breaker boxes
12 modules



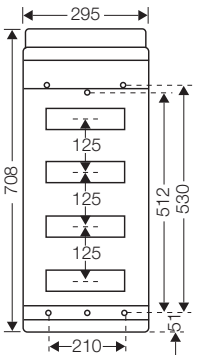
Circuit breaker boxes
2 x 12 modules



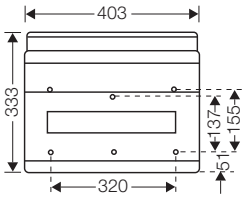
Circuit breaker boxes
3 x 12 modules



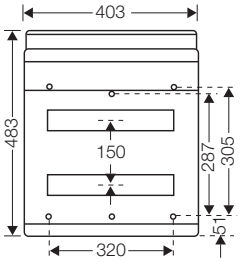
Circuit breaker boxes
4 x 12 modules



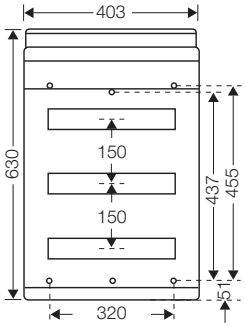
Circuit breaker boxes
1 x 18 modules



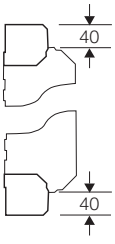
Circuit breaker boxes
2 x 18 modules



Circuit breaker boxes
3 x 18 modules



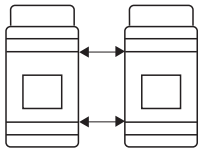
By turning the rail by 180 °, the assembly depth under the protection cover can be increased to 59 mm. No additional components are required.



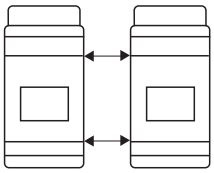
Cable entry cover for KV Circuit breaker boxes IP 54 and IP 65 with 12-54 modules mounted on top and the bottom.

KV Circuit breaker boxes can be assembled laterally as shown below:

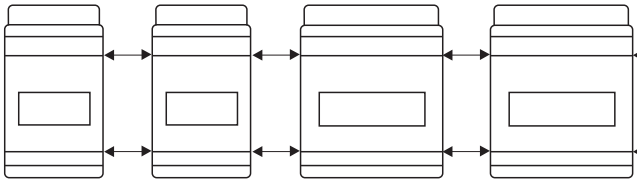
- in degree of protection IP 65 with threaded connecting glands AVS 16
- in degree of protection IP 54 with press-in connecting glands EVS 16



KV Circuit breaker boxes
3 modules



KV Circuit breaker boxes
4.5 modules

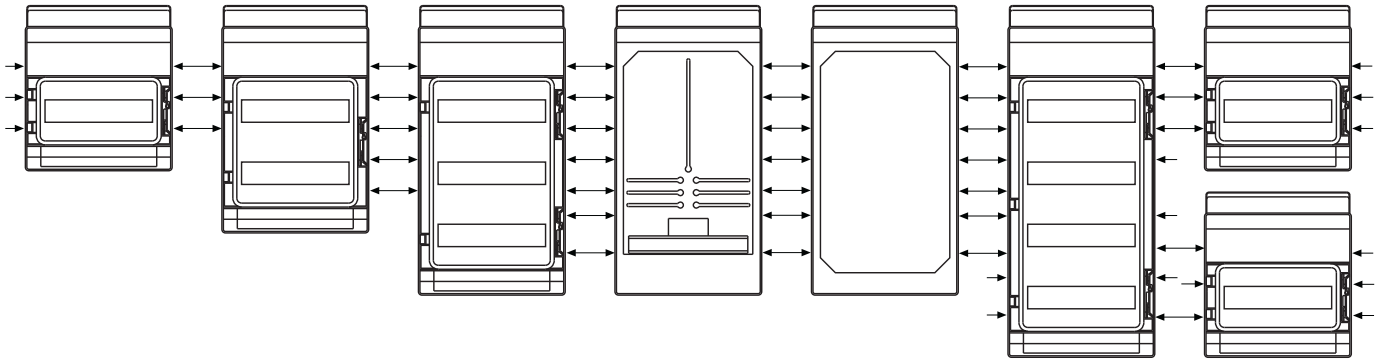


KV Circuit breaker boxes
6 modules

KV Circuit breaker boxes
9 modules

KV Circuit breaker / Meter and Empty boxes can be assembled laterally as shown below:

- in degree of protection IP 65 with threaded connecting glands AVS 16
- in degree of protection IP 54 with press-in connecting glands EVS 16



KV circuit
breaker boxes
12 modules

KV circuit
breaker boxes
2x12 modules,
KV 9220,
KV 9220 M

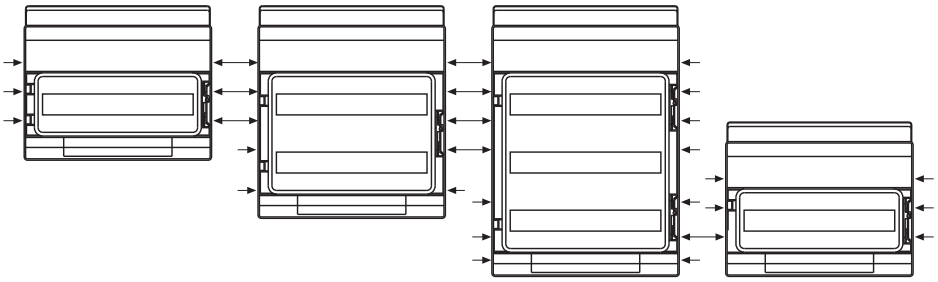
KV circuit
breaker boxes
3x12 modules,
KV 9330,
KV 9330 M

KWH Meter
boxes
KV 9338
KV 9337

KV empty
box
4x12 modules
KV 9440,
KV 9440 M

KV empty
box
4x12 modules
KV 9440
KV 9440 M

KV circuit
breaker boxes
12 modules

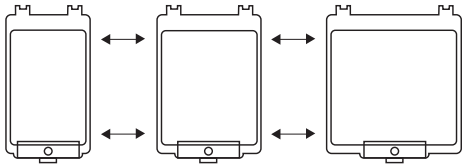


KV circuit
breaker boxes
18 modules

KV circuit
breaker boxes
2 x 18 modules,
KV 9230,
KV 9230 M

KV circuit
breaker boxes
3 x 18 modules,
KV 9350
KV 9350 M

KV circuit
breaker boxes
18 modules



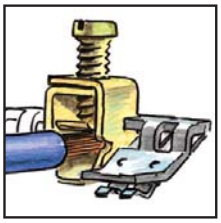
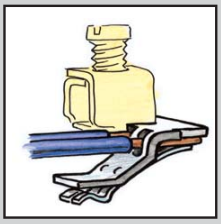
KG 9001

KG 9002

KG 9003

PE and N FIXCONNECT® terminal

Rated connecting capacity of PE and N terminals

Clamping unit	Corresponding cross-sections/copper			
	max. number	from - to max.	max. number	from - to max.
Screw-type terminal 25 mm²				
	1	25 mm², s	1	25 mm², f
	1	16 mm², s	1	16 mm², f
	1	10 mm², sol	1	10 mm², f
	3	6 mm², sol	1	6 mm², f
	3	4 mm², sol	1	4 mm², f
	4	2.5 mm², sol	1	2.5 mm², f
	4	1.5 mm², sol	1	1.5 mm², f
		Tested as connecting terminal for several conductors of the same cross-sections for using in one circuit		
Plug-in terminal 4 mm²	1	1.5 - 4 mm², sol	1	1.5 - 4 mm², f
				Without end ferrule; clamping unit has to be opened with a tool when conductor is inserted

Current carrying capacity of the connecting device: 80 A
All terminals are secured against self loosening.

Terminal equipment and number of conductors to be connected

PE terminal for copper conductors

Number of modules	PE terminal up to 4 mm²	PE terminal up to 25 mm²
3	4x4 mm²	1x25 mm²
4.5 6	4x4 mm²	2x25 mm²
9	8x4 mm²	2x25 mm²
12	12x4 mm²	2x25 mm²
18	16x4 mm²	4x25 mm²
24 36 (3-row) 48	24x4 mm²	6x25 mm²
36 (2-row) 54	32x4 mm²	8x25 mm²

N terminal for copper conductors

Number of modules	N terminal up to 4 mm²	N terminal up to 25 mm²	plug-in jumper
3	4x4 mm²	1x25 mm²	
4.5 6	4x4 mm²	2x25 mm²	
9	8x4 mm²	2x25 mm²	
12	12x4 mm²	2x25 mm²	
18	16x4 mm²	4x25 mm²	
24 36 (3-row) 48	24x4 mm²	6x25 mm²	
36 (2-row) 54	32x4 mm²	8x25 mm²	

KV circuit breaker boxes comply with the following standards and regulations:

- IEC 60 439-3, EN 60 439-3,
  …low voltage switchgear and controlgear assemblies intended to be in places
  where unskilled persons have access to their use - distribution boards

- IEC 60 999, Connecting devices
  Safety requirements forscrew-type and screwless-type clamping units for electrical copper conductors

- EN 60 529 / DIN VDE 0470 Part 1
  Degrees of protection provided by enclosures (IP-Code)

	KV Small-type distribution boards PS polystyrene			KV PC Small-type distribution boards PC polycarbonate	
	KV Small-type distribution boards and KWH Meter boxes	**Empty boxes**	**Cable entry ESM ..., EVS 16**	**KV PC Small-type distribution boards**	**Threaded connecting glands AVS 16**
Application area	**Ausführung IP 54/65:** Suitable for indoor installation and outdoor installation, protected against weather influences: However, pay attention to the climatic effects on the installed equipment , for example, high or low ambient temperatures or formation of condensed water see technical information			The enclosures are suitable for outdoor installation - harsh environment and / or outdoor. The material is examined for UV resistance by the institute for plastics and thereby suitable for the outdoor installation during UV effect. However the climatic influences and effects on the equipment are to be considered.	
Ambient temperature					
- Average value over 24 hours	+ 35° C	–	+ 35° C	+ 35° C	+ 55° C
- Maximum value	+ 40° C	+ 60° C	+ 40° C	+ 40° C	+ 70° C
- Minimum value	– 5° C	– 25° C	– 25° C	– 5° C	– 40° C
Relative humidity	50% at 40° C	–	-	–	–
- short-time	100% at 25° C	–	-	–	–
Fire protection in the case of internal faults	Demands placed on electrical devices from standards and laws: Minimum requirements - Glow wire test in accordance with IEC 60 695-2-11: - 650° C for boxes and cable glands - 850° C for parts of insulating material necessary to retain current carrying parts in position				
Burning behaviour					
- Glow wire test IEC 60 695-2-11	750° C	750° C	750° C	960° C	750° C
- UL Subject 94	V-2 flame-retardant self-extinguishing	V-2 flame-retardant self-extinguishing	– flame-retardant self-extinguishing	V-2 flame-retardant self-extinguishing	V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)	IK08 (5 Joule)	–	IK08 (5 Joule)	–
Toxic behaviour	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free

“Halogen-free” in accordance with IEC 754-2 “Common test methods for cables - Determination of the amount of halogen acid gas”.

For material properties see technical data.