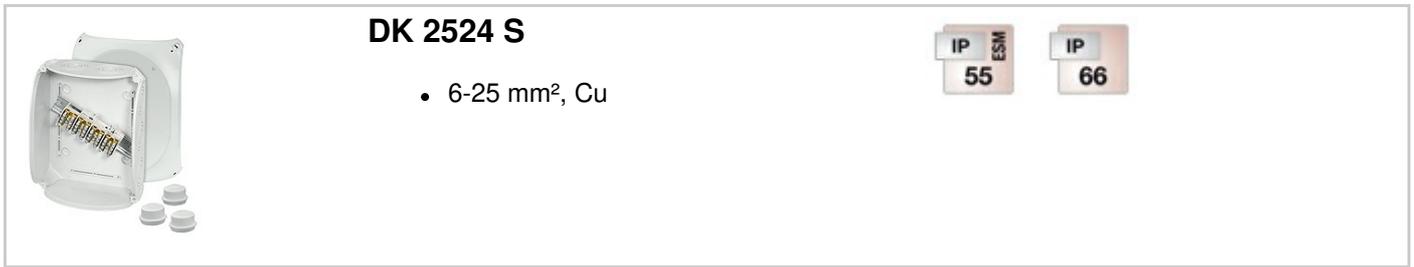


**HENSEL**



**DATA SHEET**

## Main line branch terminals



### DK 2524 S

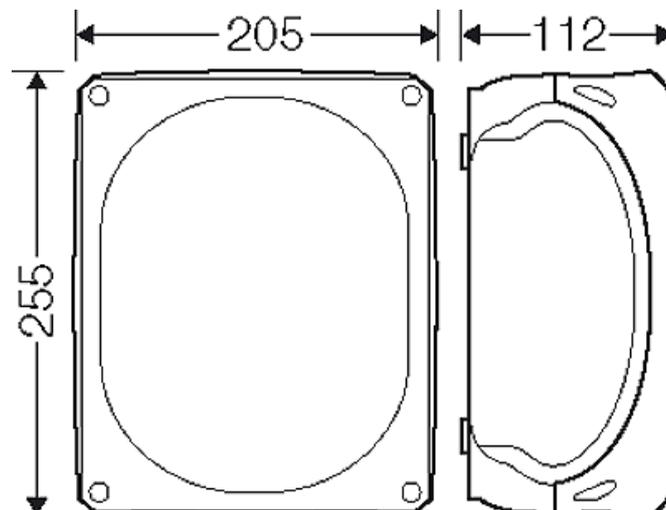
- 6-25 mm<sup>2</sup>, Cu



- with main line branch terminals for copper conductors
- 4-pole per pole terminals for incoming cables: 10-25 mm<sup>2</sup> r, 6-16 mm<sup>2</sup> f, with end ferrule, terminals for outgoing cables: 6-16 mm<sup>2</sup> r, 4-10 mm<sup>2</sup> with end ferrule
- lid fasteners sealable without accessories
- included cable entry: 3 x ESM 40, sealing range Ø 17-30 mm
- with two cable entries M 32 from the rear side
- external brackets for wall fixing included
- colour: grey, RAL 7035

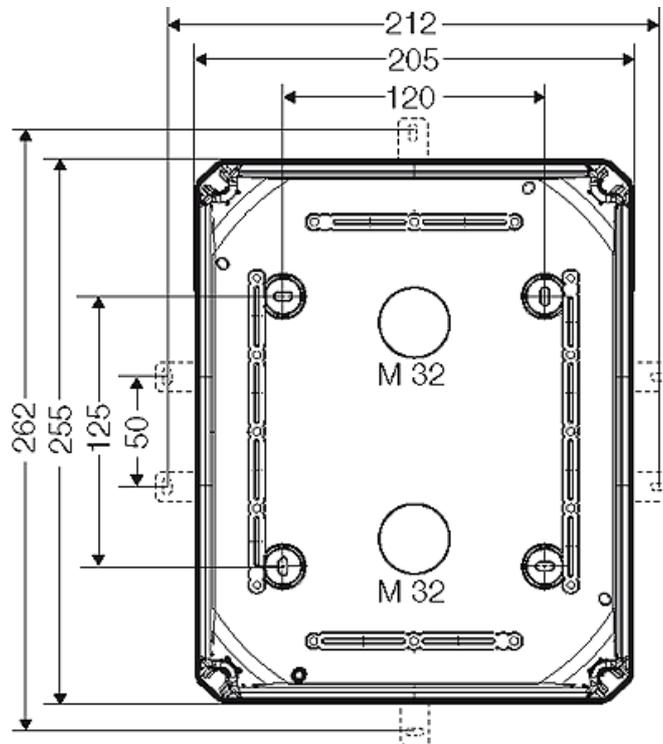
rated insulation voltage	U <sub>i</sub> = 400 V a.c.
rated current:	80 A
material	PC (Polycarbonate)
degree of protection	IP 55 (ESM)
degree of protection	IP 66 (AKM)
width	255 mm
height	205 mm
depth	112 mm
weight	1,056 kg
tightening torque for terminal	3,0 Nm Zuleitungsklemmen 3,0 Nm Ableitungsklemmen

## Drawings

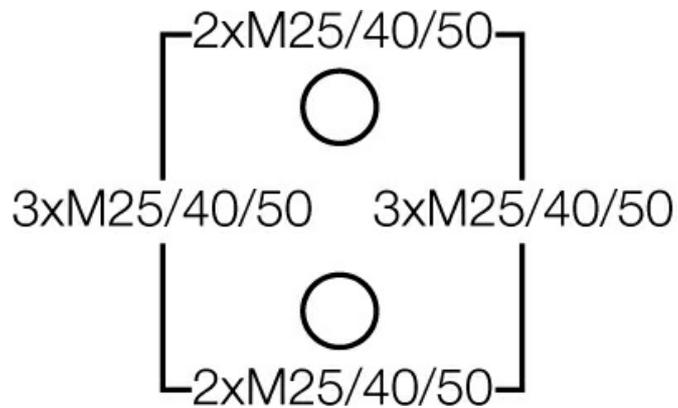


Dimension drawing

Detail mass



Box walls



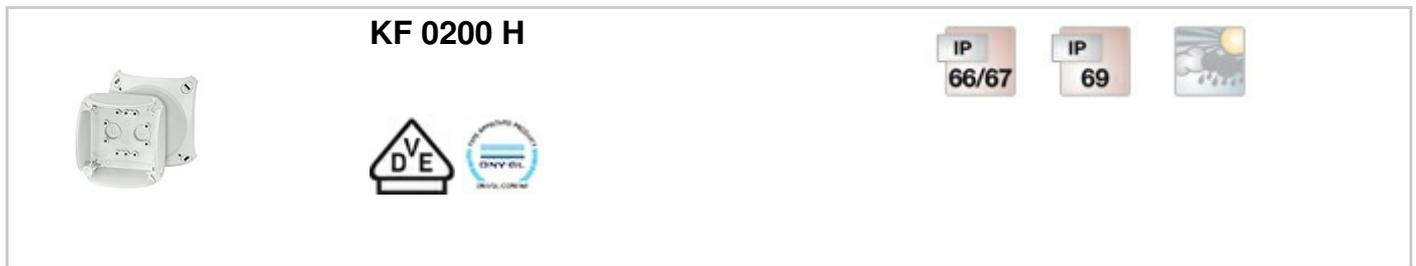
### Operating and ambient conditions

Application area

Suitable for indoor installation and outdoor installation, protected against weather influences

Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 25 °C
Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK07 (2 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

**”Weatherproof“ for outdoor installation, box walls without knockouts**

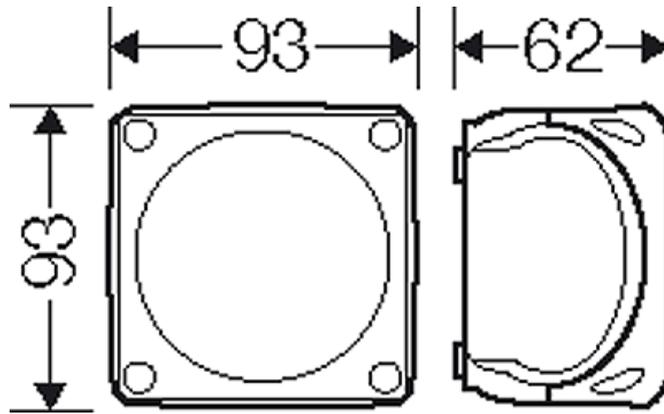


- without terminals
- box walls without knockouts
- wall surface can be drilled individually for cable entry max. M20
- "weatherproof" resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.)
- saltwater-proof
- "offshore applications"
- lid fasteners sealable without accessories
- retaining strap and external brackets for wall fixing included
- colour: grey, RAL 7035

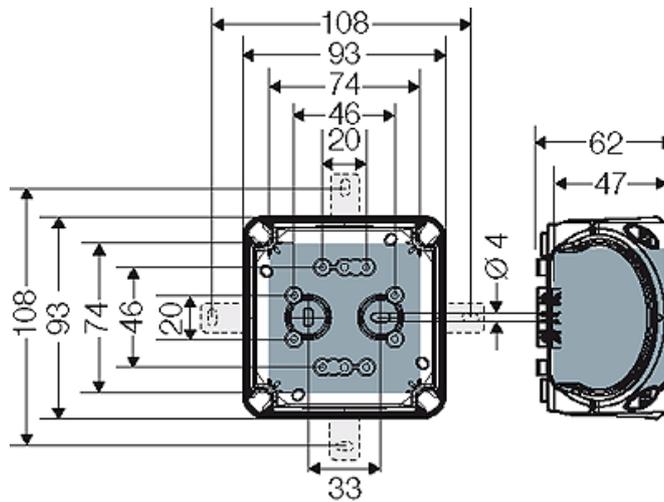
wall thickness of the bottom part	2,0 mm
rated insulation voltage	U <sub>i</sub> = 1000 V a.c./d.c.
material	PC-GFS (polycarbonate)
degree of protection	IP 66 / IP 67 / IP 69 IP 67, temporary submersion IP 69, water pressure max. 100 bar, water temperature max. 80 °C, distance ≥ 0.15 m
mounting width	74 mm
mounting height	74 mm
max. installation depth	47 mm
width	93 mm
height	93 mm
depth	62 mm
weight	0,114 kg
in accordance with	IEC 60670-22
in accordance with	DNV GL - Certificate No: TAE00000EE

**Drawings**

Dimension drawing



Detail mass



Box walls

## Operating and ambient conditions

Application area	Suitable for outdoor installation (harsh environment and/or outdoor). To reduce the formation and accumulation of condensed water see technical information.
Resistant to occasional cleaning procedures (direct jet)	Resistance to occasional cleaning procedures (direct jet) with high-pressure cleaner without cleaning additives, water pressure: max 100 bar, water temperature: max 80 °C, distance $\geq 0.15$ m, in accordance with DIN EN 60529:2014-09 (IEC 60529:2013) = IP 69. Only with cable entries HENSEL AKM or ASS.
Ambient temperature	Average value over 24 hours + 55 °C Maximum value + 70 °C Minimum value - 25 °C

Fire protection in the event of internal faults

Demands placed on electrical devices from standards and laws

Minimum requirements

- Glow wire test in accordance with IEC 60695-2-11:
- 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 60695-2-11: 960 °C  
UL Subject 94: V-0  
flame-retardant  
self-extinguishing

Degree of protection against mechanical load

IK09 (10 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2

Note:

For material properties see technical data.

With or without terminals



**DK 0202 G**

- 0.75-2.5 mm<sup>2</sup>, Cu 3~

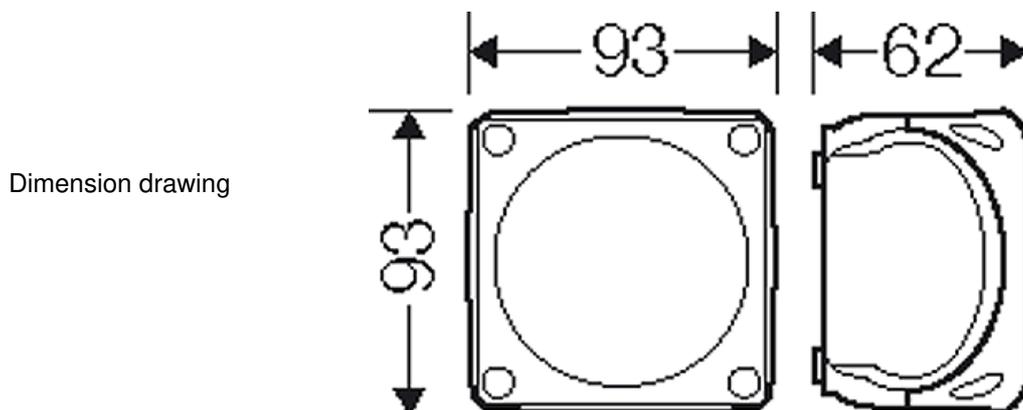




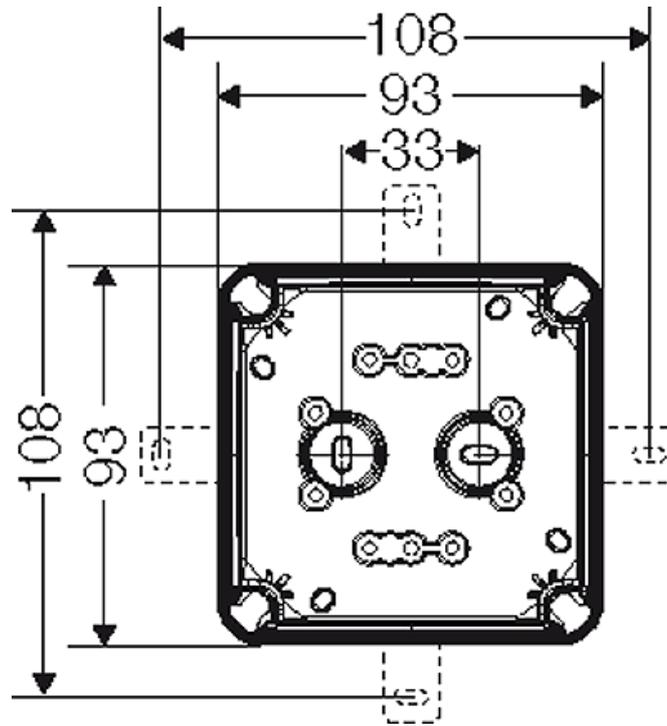
- terminal with 2 clamping units per pole
- 5-pole per pole 8 x 0,75-1 mm<sup>2</sup> r / f, 6 x 1,5 mm<sup>2</sup> r / f, 4 x 2,5 mm<sup>2</sup> r / f, 2 x 4 mm<sup>2</sup> r / f
- with integrated elastic membranes, which can be removed for cable entry via cable glands, sealing range 6.0-15.0 mm
- with one cable entry in the bottom, sealing range Ø 6.0-13.0 mm
- lid fasteners sealable without accessories
- retaining strap and external brackets for wall fixing included
- colour: grey, RAL 7035
- To close opened membranes use grommets type EDK. Degree of protection = IP 66.

rated insulation voltage	U <sub>i</sub> = 690 V a.c./d.c.
rated current:	20 A
material	PP (polypropylene)
degree of protection	IP 66
width	93 mm
height	93 mm
depth	62 mm
weight	0,129 kg
tightening torque for terminal	0.5 Nm
in accordance with	IEC 60670-22

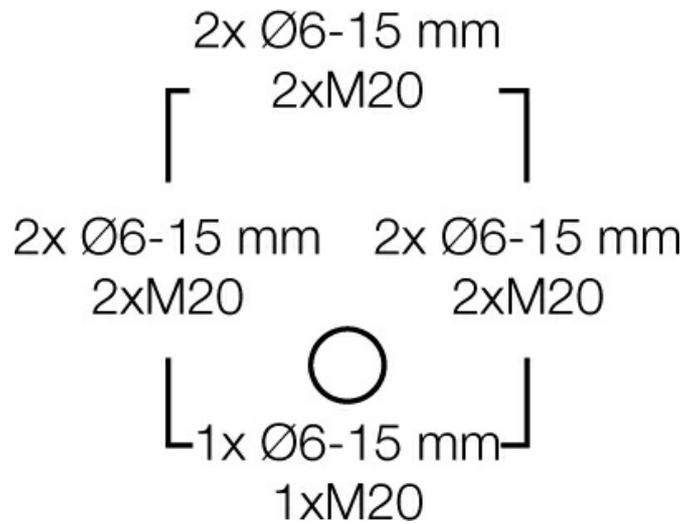
Drawings



Detail mass



Box walls



### Operating and ambient conditions

Application area	Suitable for indoor installation and outdoor installation, protected against weather influences
Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 25 °C
Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK07 (2 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## Accessories

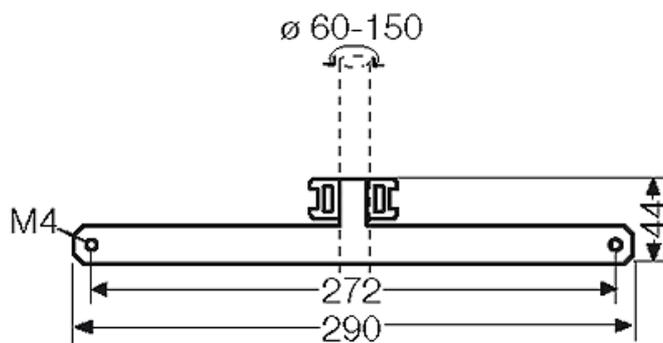
	<p><b>Mi MB 2</b></p> <ul style="list-style-type: none"><li>• Mounting kit</li><li>• for pipe and post installation</li></ul>
---	---

- for enclosure width 300 mm
- suitable for pipe/pole diameters of 60 - 150 mm
- clamps and fixing screws included

material	stainless steel V2A
maximum load	25 kg
weight	0,4 kg

## Drawings

Dimension drawing



## Accessories

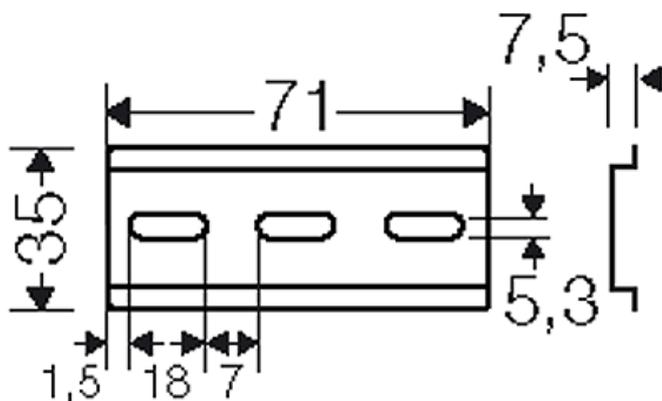
	<h3>DK TS 01</h3> <ul style="list-style-type: none"> <li>• DIN rail</li> </ul>
---	--

- for DK 02...., DK 04...., KF 02...., KF 04...., EB 02.., EB 04..
- for the installation of terminal blocks
- with fixing screws

length	71 mm
weight	0,027 kg
in accordance with	EN 60715

## Drawings

Dimension drawing



## Empty enclosures in accordance with IEC 62208



**K 0301**

- Built-in dimensions W 275 x H 425 x D 150 mm



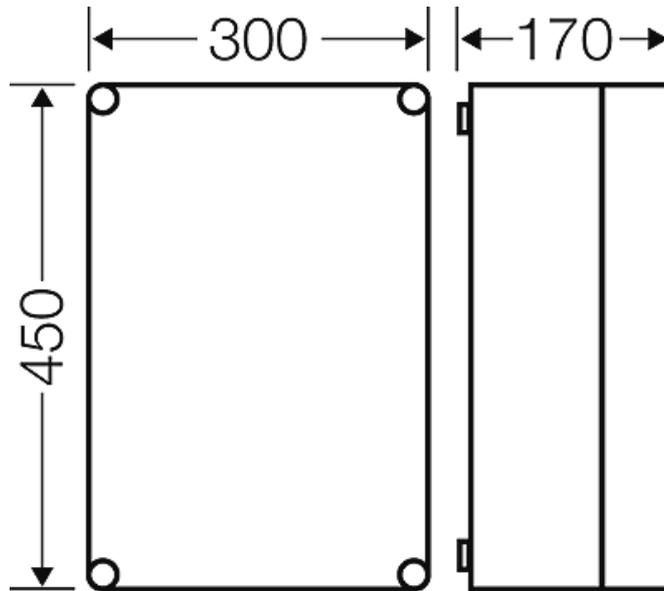


- enclosure size 3, type Mi
- for installation equipment on DIN rails or mounting plates (order separately)
- max. installation depth with built-in mounting plate 146 mm, with built-in DIN rail 135 mm
- with opaque lid
- lid fasteners for tool operation
- sealable
- box walls without knockouts
- optional hinges for device installation in the lid
- external brackets for wall fixing as accessories
- colour: grey, RAL 7035
- material: PC (polycarbonate)

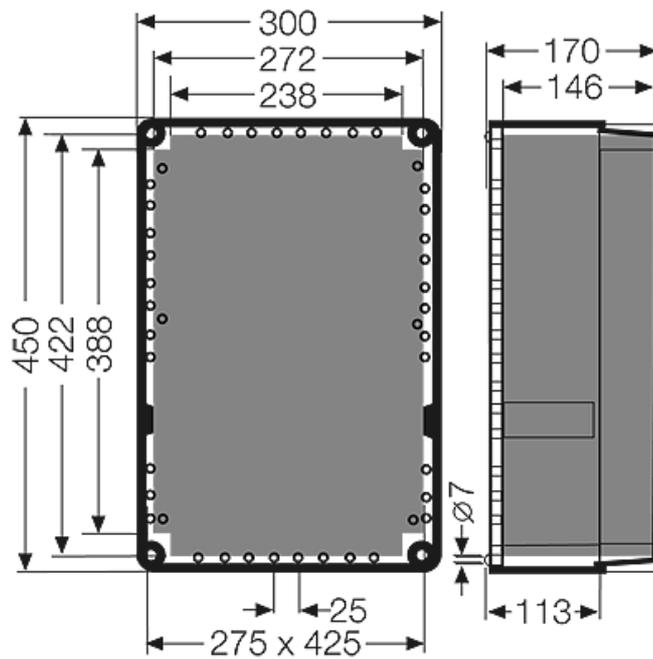
rated insulation voltage	$U_i = 690 \text{ V a.c.} / 1000 \text{ V d.c.}$
impact strength	IK 08 (5 Joule)
static load	mounting plate or DIN rail = 9.2 kg lid = 3.2 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 71 \text{ watts}$
wall thickness	enclosure = 3 mm lid = 3 mm
material	PC (Polycarbonate)
degree of protection	IP 66
mounting width	275 mm
mounting height	425 mm
max. installation depth	with built-in mounting plate 146 mm
max. installation depth	with built-in DIN rail 135 mm
width	300 mm
height	450 mm
depth	170 mm
weight	2,744 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area

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

Ambient temperature

Maximum value + 70 °C  
Minimum value - 25 °C

Fire protection in the event of internal faults	<p>Demands placed on electrical devices from standards and laws</p> <p>Minimum requirements</p> <ul style="list-style-type: none"> <li>- Glow wire test in accordance with IEC 60695-2-11:</li> <li>- 650°C for boxes and cable glands</li> <li>- 850°C for parts of insulating material necessary to retain current carrying parts in position</li> </ul>
Burning behaviour	<p>Glow wire test IEC 60695-2-11: 960 °C</p> <p>UL Subject 94: V-2</p> <p>flame-retardant</p> <p>self-extinguishing</p>
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	<p>halogen-free</p> <p>silicone-free</p> <p>"halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2</p>
Note:	<p>Supplementing references regarding outdoor installation: -</p> <p>The materials used for K 0xxx empty enclosures are basically UV resistant, so that the mechanical resistance of the boxes is maintained during UV effect. Depending on the intensity of the UV effect e.g. transparent lids can change colour. - The top side of the boxes should be protected by a cover against weather influences such as rains, 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 of condensation additional measures as ventilation and/or heating may be necessary.</p> <p>For material properties see technical data.</p>

## Empty enclosures in accordance with IEC 62208



**K 0300**

- Built-in dimensions W 275 x H 425 x D 150 mm



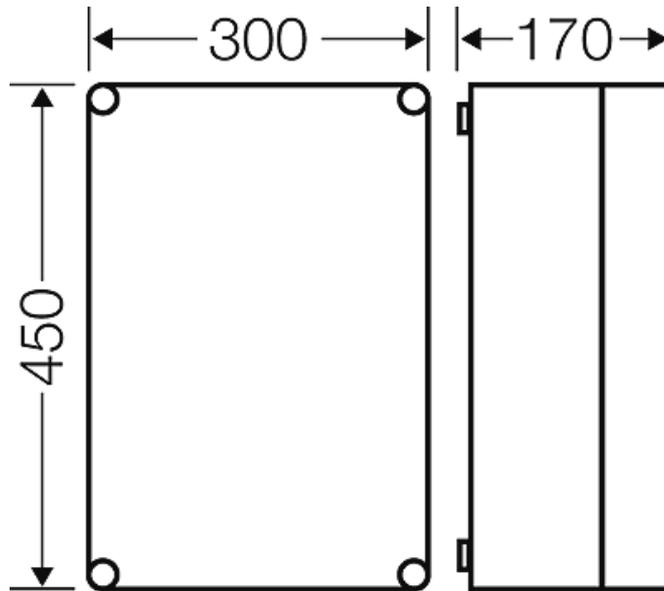


- enclosure size 3, type Mi
- for installation equipment on DIN rails or mounting plates (order separately)
- max. installation depth with built-in mounting plate 146 mm, with built-in DIN rail 135 mm
- with transparent lid
- lid fasteners for tool operation
- sealable
- box walls without knockouts
- optional hinges for device installation in the lid
- external brackets for wall fixing as accessories
- colour: grey, RAL 7035
- material: PC (polycarbonate)

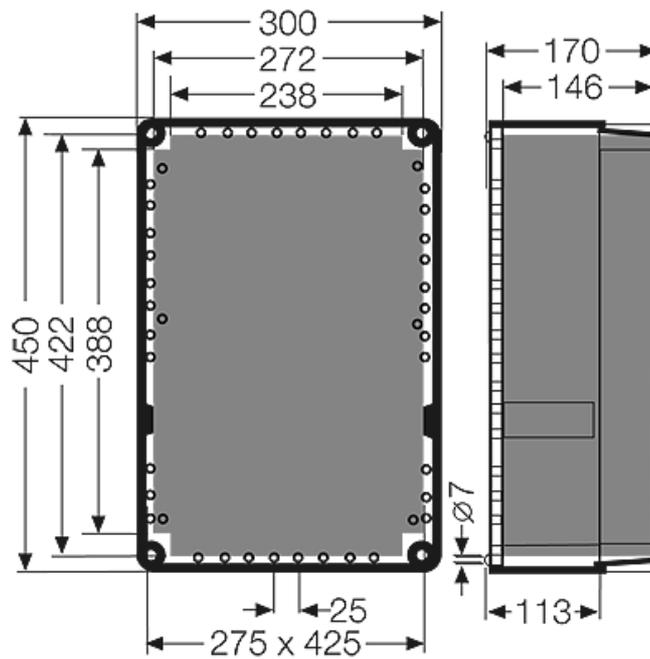
rated insulation voltage	$U_i = 690 \text{ V a.c.} / 1000 \text{ V d.c.}$
impact strength	IK 08 (5 Joule)
static load	mounting plate or DIN rail = 9.2 kg lid = 3.2 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 71 \text{ watts}$
wall thickness	enclosure = 3 mm lid = 3 mm
material	PC (Polycarbonate)
degree of protection	IP 66
mounting width	275 mm
mounting height	425 mm
max. installation depth	with built-in mounting plate 146 mm
max. installation depth	with built-in DIN rail 135 mm
width	300 mm
height	450 mm
depth	170 mm
weight	2,725 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area

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

Ambient temperature

Maximum value + 70 °C  
Minimum value - 25 °C

Fire protection in the event of internal faults	<p>Demands placed on electrical devices from standards and laws</p> <p>Minimum requirements</p> <ul style="list-style-type: none"> <li>- Glow wire test in accordance with IEC 60695-2-11:</li> <li>- 650°C for boxes and cable glands</li> <li>- 850°C for parts of insulating material necessary to retain current carrying parts in position</li> </ul>
Burning behaviour	<p>Glow wire test IEC 60695-2-11: 960 °C</p> <p>UL Subject 94: V-2</p> <p>flame-retardant</p> <p>self-extinguishing</p>
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	<p>halogen-free</p> <p>silicone-free</p> <p>"halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2</p>
Note:	<p>Supplementing references regarding outdoor installation: -</p> <p>The materials used for K 0xxx empty enclosures are basically UV resistant, so that the mechanical resistance of the boxes is maintained during UV effect. Depending on the intensity of the UV effect e.g. transparent lids can change colour. - The top side of the boxes should be protected by a cover against weather influences such as rains, 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 of condensation additional measures as ventilation and/or heating may be necessary.</p> <p>For material properties see technical data.</p>

## Empty enclosures in accordance with IEC 62208



**K 0401**

- Built-in dimensions W 275 x H 575 x D 150 mm



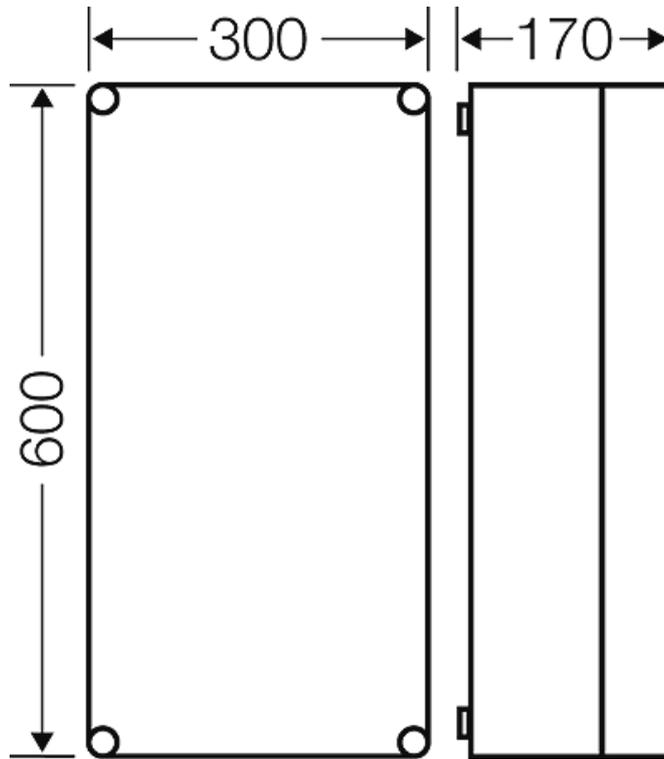


- enclosure size 4, type Mi
- for installation equipment on DIN rails or mounting plates (order separately)
- max. installation depth with built-in mounting plate 146 mm, with built-in DIN rail 135 mm
- with opaque lid
- lid fasteners for tool operation
- sealable
- box walls without knockouts
- optional hinges for device installation in the lid
- external brackets for wall fixing as accessories
- colour: grey, RAL 7035
- material: PC (polycarbonate)

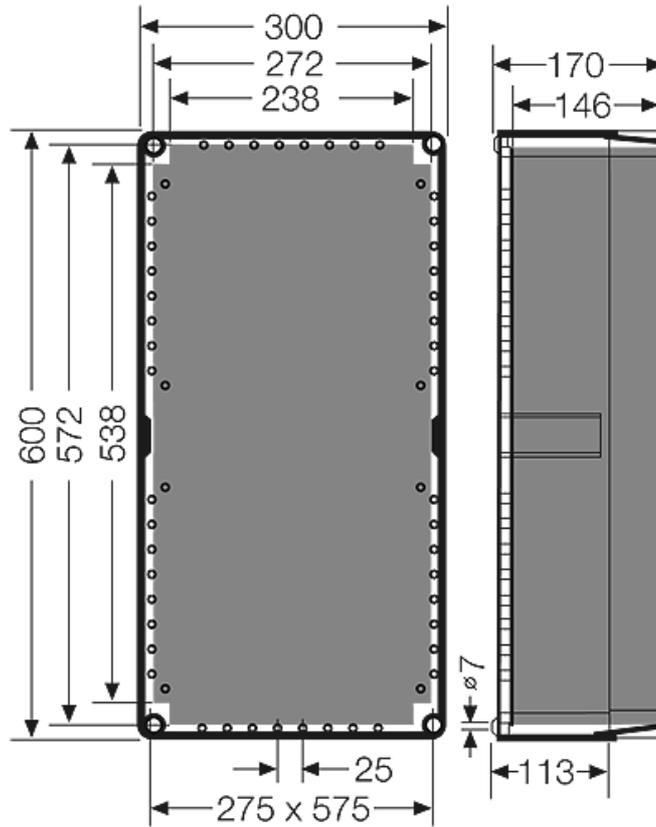
rated insulation voltage	$U_i = 690 \text{ V a.c.} / 1000 \text{ V d.c.}$
impact strength	IK 08 (5 Joule)
static load	mounting plate or DIN rail = 9.2 kg lid = 3.2 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 93 \text{ watts}$
wall thickness	enclosure = 3 mm lid = 3 mm
material	PC (Polycarbonate)
degree of protection	IP 66
mounting width	275 mm
mounting height	575 mm
max. installation depth	with built-in mounting plate 146 mm
max. installation depth	with built-in DIN rail 135 mm
width	300 mm
height	600 mm
depth	170 mm
weight	2,988 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



### Operating and ambient conditions

Application area	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
Ambient temperature	Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 960 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	Supplementing references regarding outdoor installation: - The materials used for K 0xxx empty enclosures are basically UV resistant, so that the mechanical resistance of the boxes is maintained during UV effect. Depending on the intensity of the UV effect e.g. transparent lids can change colour. - The top side of the boxes should be protected by a cover against weather influences such as rains, 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 of condensation additional measures as ventilation and/or heating may be necessary. For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### K 0400

- Built-in dimensions W 275 x H 575 x D 150 mm



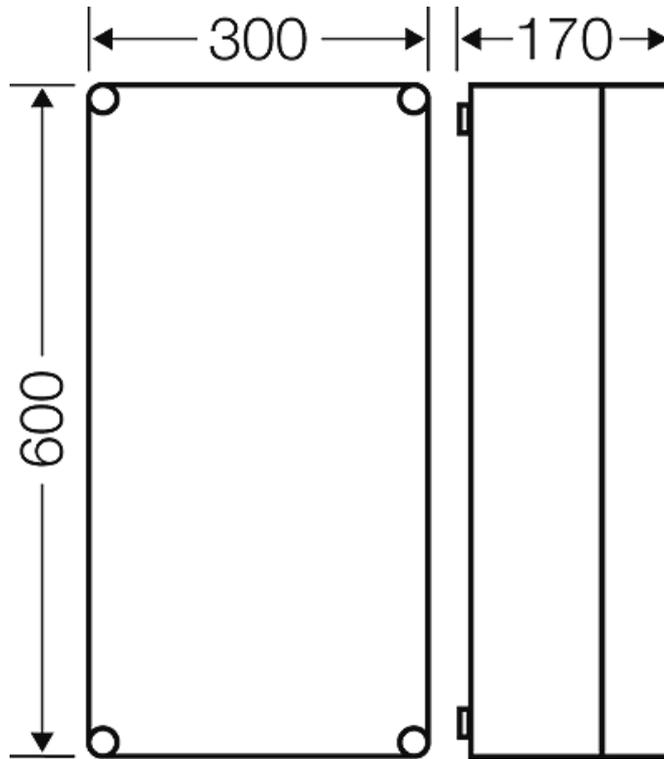


- enclosure size 4, type Mi
- for installation equipment on DIN rails or mounting plates (order separately)
- max. installation depth with built-in mounting plate 146 mm, with built-in DIN rail 135 mm
- with transparent lid
- lid fasteners for tool operation
- sealable
- box walls without knockouts
- optional hinges for device installation in the lid
- external brackets for wall fixing as accessories
- colour: grey, RAL 7035
- material: PC (polycarbonate)

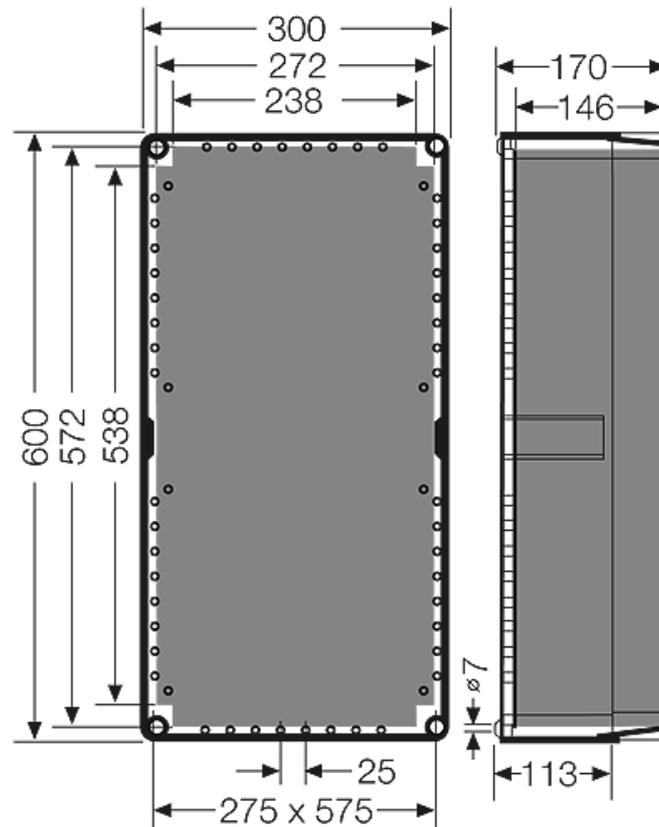
rated insulation voltage	$U_i = 690 \text{ V a.c.} / 1000 \text{ V d.c.}$
impact strength	IK 08 (5 Joule)
static load	mounting plate or DIN rail = 9.2 kg lid = 3.2 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 93 \text{ watts}$
wall thickness	enclosure = 3 mm lid = 3 mm
material	PC (Polycarbonate)
degree of protection	IP 66
mounting width	275 mm
mounting height	575 mm
max. installation depth	with built-in mounting plate 146 mm
max. installation depth	with built-in DIN rail 135 mm
width	300 mm
height	600 mm
depth	170 mm
weight	2,933 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area	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
Ambient temperature	Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 960 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	Supplementing references regarding outdoor installation: - The materials used for K 0xxx empty enclosures are basically UV resistant, so that the mechanical resistance of the boxes is maintained during UV effect. Depending on the intensity of the UV effect e.g. transparent lids can change colour. - The top side of the boxes should be protected by a cover against weather influences such as rains, 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 of condensation additional measures as ventilation and/or heating may be necessary. For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 06 B

- Built-in dimensions W 102 x H 102 x D 62 mm





- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: black, RAL 9011
- material: PC (polycarbonate)
- colour: black, RAL 9011

rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 1.6 kg lid = 0.4 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 6 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	102 mm
mounting height	102 mm
max. installation depth	62 mm
width	130 mm
height	130 mm
depth	77 mm
weight	0,193 kg
in accordance with	IEC 62208:2011

## Drawings



Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



**EB 10 G**

- Built-in dimensions W 97 x H 150 x D 62 mm





- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: grey, RAL 7035
- material: PC (polycarbonate)

rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 2.2 kg lid = 0.6 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 8 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	150 mm
mounting height	97 mm
max. installation depth	62 mm
width	180 mm
height	130 mm
depth	77 mm
weight	0,259 kg
in accordance with	IEC 62208:2011

## Drawings



Burning behaviour	960 °C V-0
Degree of protection against mechanical load	IK09 (10 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 06 B

- Built-in dimensions W 102 x H 102 x D 62 mm





- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: black, RAL 9011
- material: PC (polycarbonate)
- colour: black, RAL 9011

rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 1.6 kg lid = 0.4 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 6 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	102 mm
mounting height	102 mm
max. installation depth	62 mm
width	130 mm
height	130 mm
depth	77 mm
weight	0,193 kg
in accordance with	IEC 62208:2011

## Drawings



Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 06 G

- Built-in dimensions W 102 x H 102 x D 62 mm



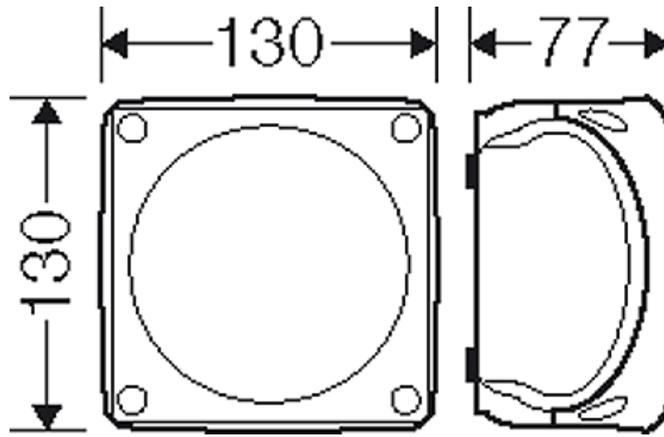


- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: grey, RAL 7035
- material: PC (polycarbonate)

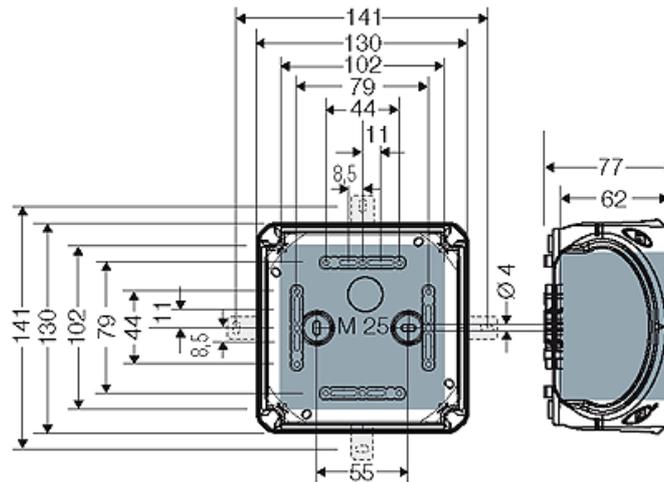
rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 1.6 kg lid = 0.4 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 6 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	102 mm
mounting height	102 mm
max. installation depth	62 mm
width	130 mm
height	130 mm
depth	77 mm
weight	0,197 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area	"weatherproof" resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.) To reduce the formation and accumulation of condensed water see technical information.
Ambient temperature	Average value over 24 hours + 55 °C Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 650° C for boxes and cable glands
Burning behaviour	960 °C V-0
Degree of protection against mechanical load	IK09 (10 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 04 B

- Built-in dimensions W 83 x H 83 x D 55 mm



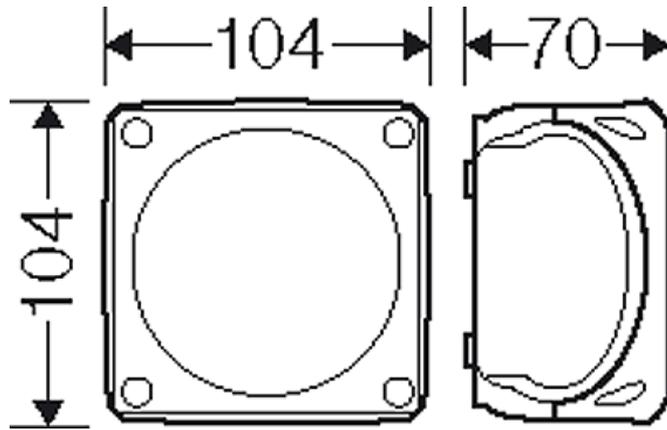


- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: black, RAL 9011
- material: PC (polycarbonate)

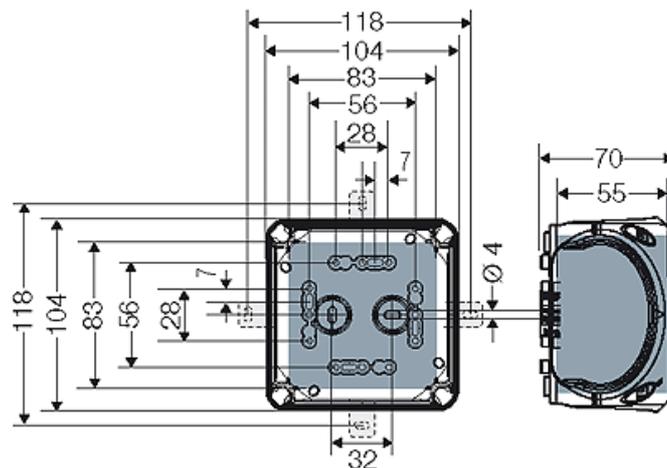
rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 0.85 kg lid = 0.2 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 4.5 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	83 mm
mounting height	83 mm
max. installation depth	55 mm
width	104 mm
height	104 mm
depth	70 mm
weight	0,138 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area	"weatherproof" resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.) To reduce the formation and accumulation of condensed water see technical information.
Ambient temperature	Average value over 24 hours + 55 °C Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire text in accordance with IEC 60695-2-11: - 650° C for boxes and cable glands
Burning behaviour	960 °C V-0
Degree of protection against mechanical load	IK09 (10 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 04 G

- Built-in dimensions W 83 x H 83 x D 55 mm



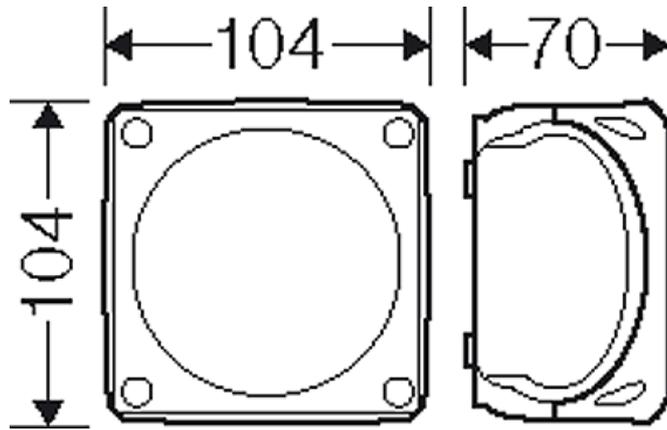


- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: grey, RAL 7035
- material: PC (polycarbonate)

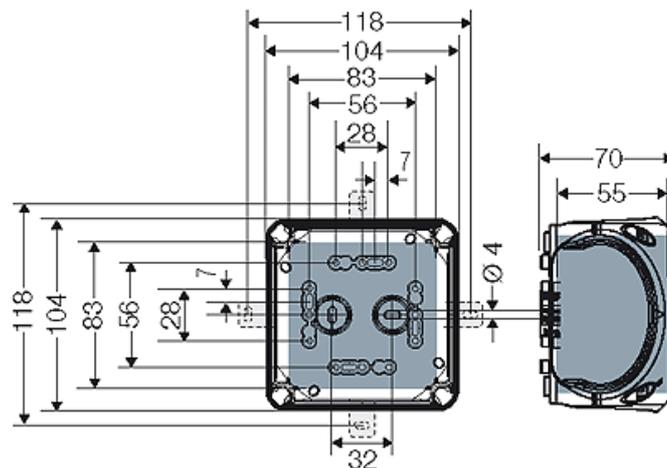
rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 0.85 kg lid = 0.2 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 4.5 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	83 mm
mounting height	83 mm
max. installation depth	55 mm
width	104 mm
height	104 mm
depth	70 mm
weight	0,137 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area	"weatherproof" resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.) To reduce the formation and accumulation of condensed water see technical information.
Ambient temperature	Average value over 24 hours + 55 °C Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire text in accordance with IEC 60695-2-11: - 650° C for boxes and cable glands
Burning behaviour	960 °C V-0
Degree of protection against mechanical load	IK09 (10 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 02 B

- Built-in dimensions W 74 x H 74 x D 47 mm



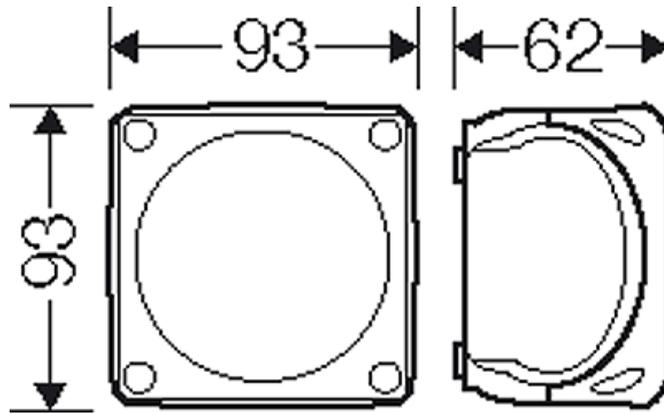


- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: black, RAL 9011
- material: PC (polycarbonate)

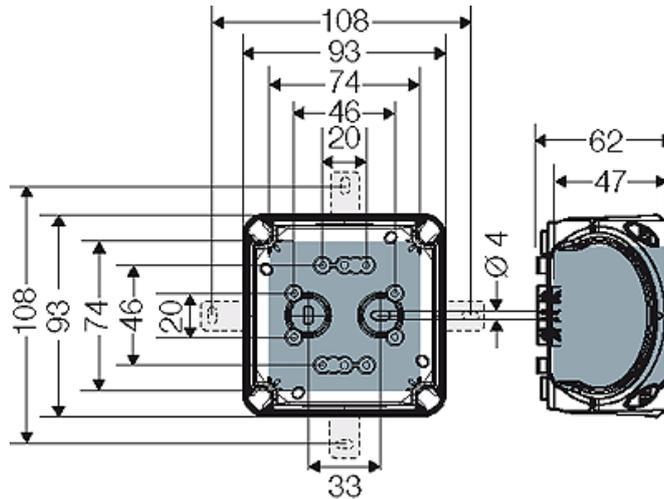
rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 0.55 kg lid = 0.15 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 3.5 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	74 mm
mounting height	74 mm
max. installation depth	47 mm
width	93 mm
height	93 mm
depth	62 mm
weight	0,111 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area	"weatherproof" resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.) To reduce the formation and accumulation of condensed water see technical information.
Ambient temperature	Average value over 24 hours + 55 °C Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 650 °C for boxes and cable glands
Burning behaviour	960 °C V-0
Degree of protection against mechanical load	IK09 (10 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## Empty enclosures in accordance with IEC 62208



### EB 02 G

- Built-in dimensions W 74 x H 74 x D 47 mm



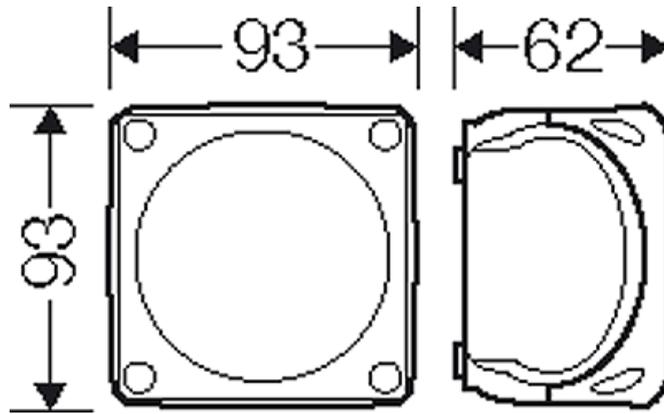


- for installation equipment on DIN rails or mounting plates (order separately)
- with opaque lid
- fastener for tool operation
- sealable
- box walls without knockouts
- external brackets for wall fixing included
- colour: grey, RAL 7035
- material: PC (polycarbonate)

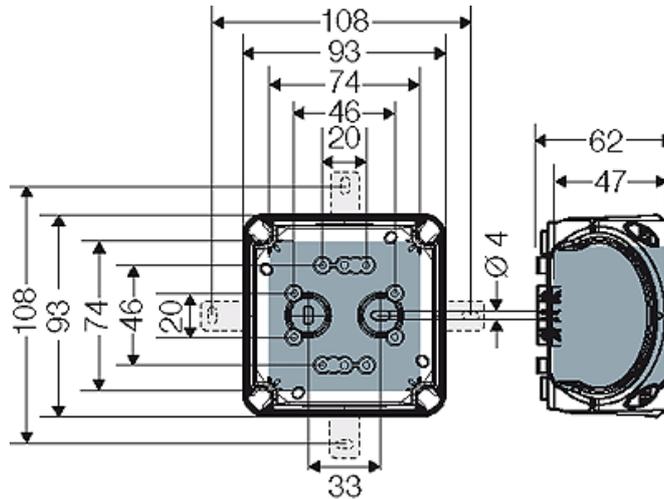
rated insulation voltage	$U_i = 1000 \text{ V a.c./d.c.}$
impact strength	IK 09 (10 Joule)
static load	mounting plate or DIN rail = 0.55 kg lid = 0.15 kg
power dissipation capability at $\Delta\theta = 40 \text{ K}$	$P_{de} = 3.5 \text{ watts}$
wall thickness	enclosure = 2 mm lid = 2 mm
material	PC-GFS (polycarbonate)
degree of protection	IP 66
mounting width	74 mm
mounting height	74 mm
max. installation depth	47 mm
width	93 mm
height	93 mm
depth	62 mm
weight	0,114 kg
in accordance with	IEC 62208:2011

## Drawings

Dimension drawing



Detail mass



## Operating and ambient conditions

Application area	"weatherproof" resistant to weather influences (UV due to solar radiation, protected against rainwater, temperature resistant, impact resistant, etc.) To reduce the formation and accumulation of condensed water see technical information.
Ambient temperature	Average value over 24 hours + 55 °C Maximum value + 70 °C Minimum value - 25 °C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 650 °C for boxes and cable glands
Burning behaviour	960 °C V-0
Degree of protection against mechanical load	IK09 (10 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the  
cables and insulated wires - corrosiveness of fumes - as  
per IEC 60754-2

Note:

For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



**KV 8109**

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

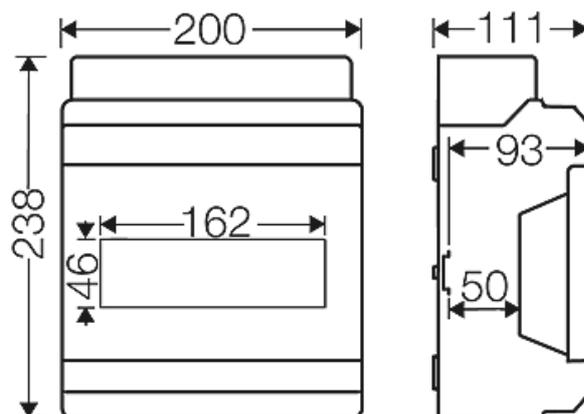



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes
- degree of protection: IP 65
- colour: grey, RAL 7035

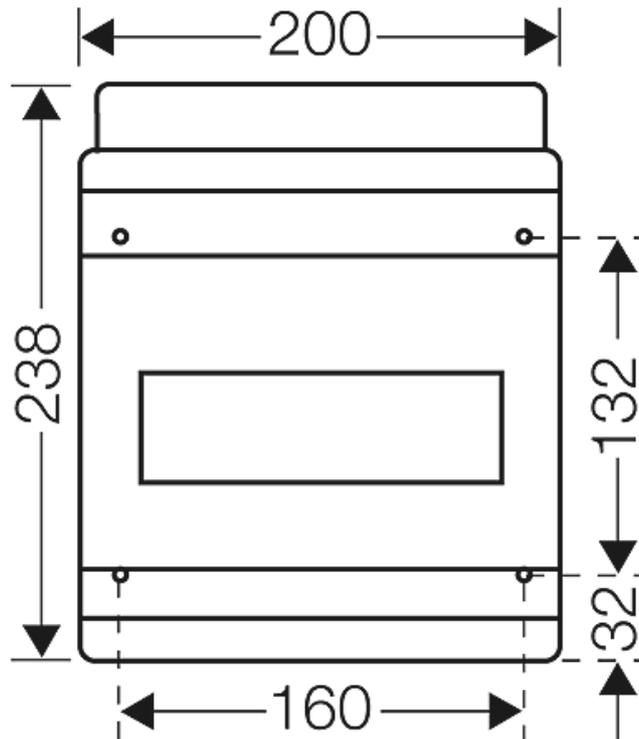
rated insulation voltage	$U_i = 400 \text{ V a.c.}$
power dissipation capability	$P_{de} = 16 \text{ watts at } 30 \text{ K according to EN 60670-24}$
protection class	II
material	PS (Polystyrene)
width	200 mm
height	238 mm
depth	111 mm
weight	0,903 kg

## Drawings

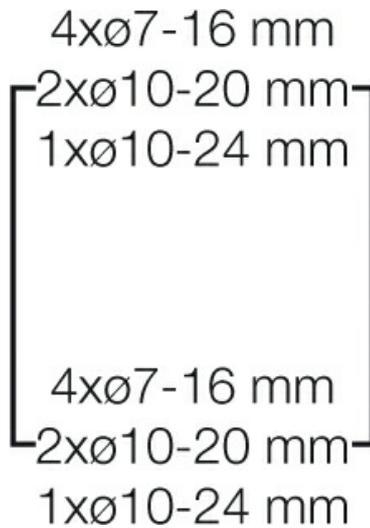
Dimension drawing



Detail mass



Box walls



### Operating and ambient conditions

Application area	IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences IP 40/41 design: Suitable for installation in dry indoor areas 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
Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °C
Relative humidity	50% at 40° C short-time 100% at 25° C

Fire protection in the event of internal faults

Demands placed on electrical devices from standards and laws

Minimum requirements

- Glow wire test in accordance with IEC 60695-2-11:
- 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 60695-2-11: 750 °C  
UL Subject 94: V-2  
flame-retardant  
self-extinguishing

Degree of protection against mechanical load

IK08 (5 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2

Note:

For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



**KV 9109**

- 9 modules: 1 x 9 x 18 mm

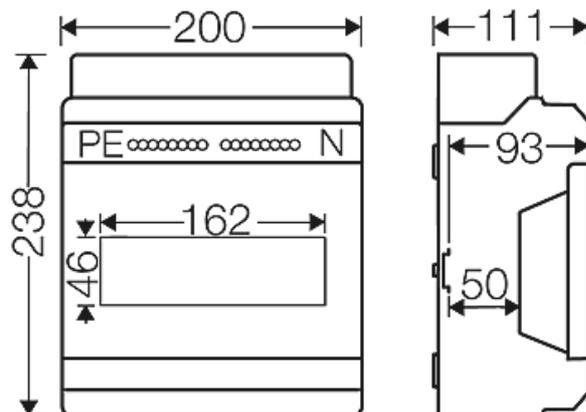



- 1-row
- per PE/N number x cross section 2 x 25 mm<sup>2</sup>, 8 x 4 mm<sup>2</sup> Cu, FIXCONNECT<sup>®</sup> terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking 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
- degree of protection: IP 65
- colour: grey, RAL 7035

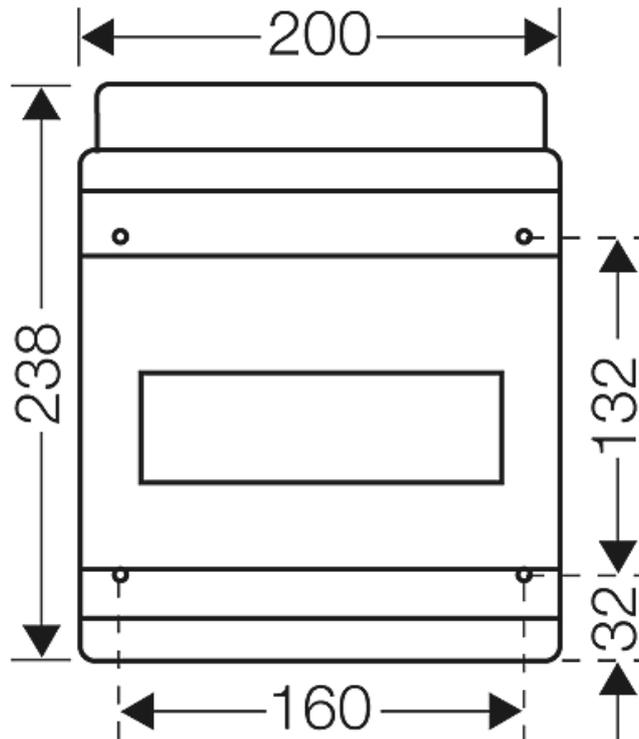
rated insulation voltage	U <sub>i</sub> = 400 V a.c.
power dissipation capability	P <sub>de</sub> = 16 watts at 30 K according to EN 60670-24
protection class	II
material	PS (Polystyrene)
width	200 mm
height	238 mm
depth	111 mm
weight	0,994 kg

## Drawings

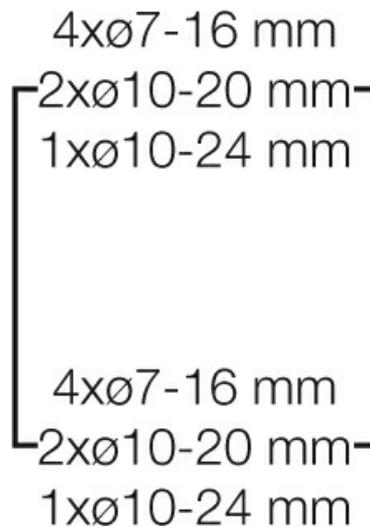
Dimension drawing



Detail mass



Box walls



### Operating and ambient conditions

Application area	IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences IP 40/41 design: Suitable for installation in dry indoor areas 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
Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °C
Relative humidity	50% at 40° C short-time 100% at 25° C

Fire protection in the event of internal faults

Demands placed on electrical devices from standards and laws

Minimum requirements

- Glow wire test in accordance with IEC 60695-2-11:
- 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 60695-2-11: 750 °C  
UL Subject 94: V-2  
flame-retardant  
self-extinguishing

Degree of protection against mechanical load

IK08 (5 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2

Note:

For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



### KV 8106

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

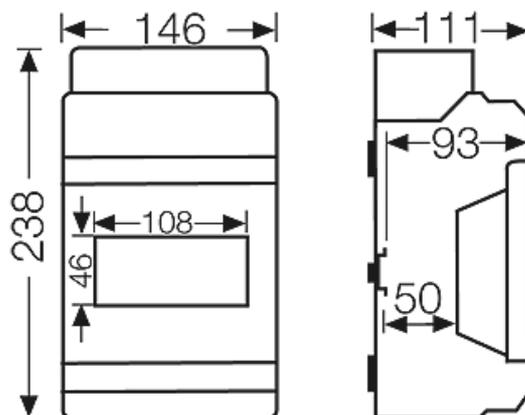



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes
- degree of protection: IP 65
- colour: grey, RAL 7035

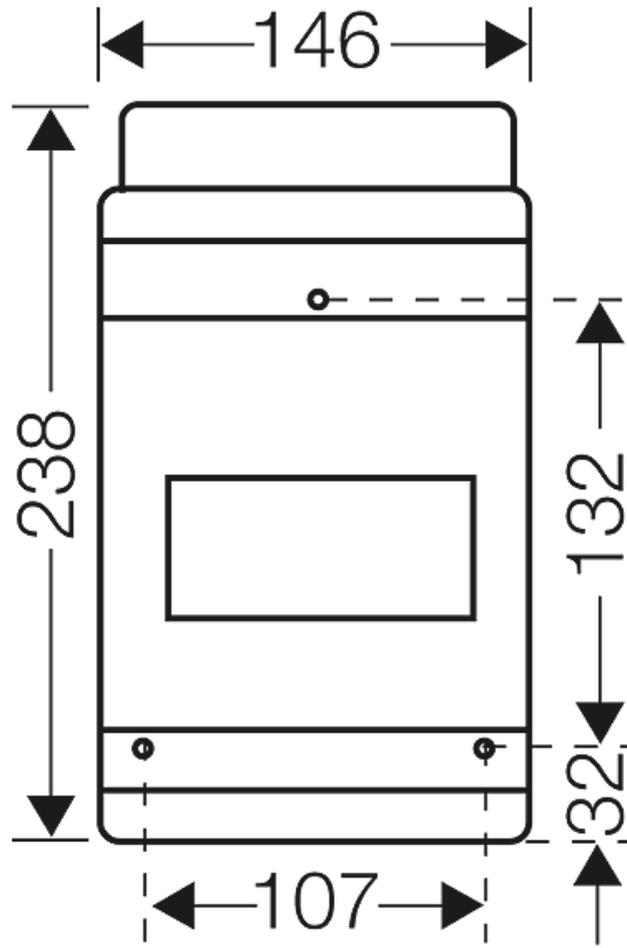
rated insulation voltage	$U_i = 400 \text{ V a.c.}$
power dissipation capability	$P_{de} = 13 \text{ watts at } 30 \text{ K according to EN 60670-24}$
protection class	II
material	PS (Polystyrene)
width	146 mm
height	238 mm
depth	111 mm
weight	0,715 kg

## Drawings

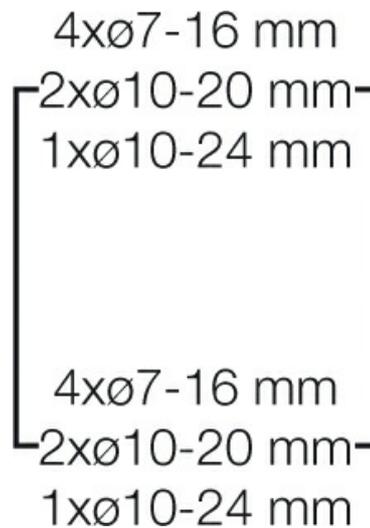
Dimension drawing



Detail mass



Box walls



## Operating and ambient conditions

Application area

IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences  
IP 40/41 design: Suitable for installation in dry indoor areas  
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

Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °C
Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



**KV 9106**

- 6 modules: 1 x 6 x 18 mm

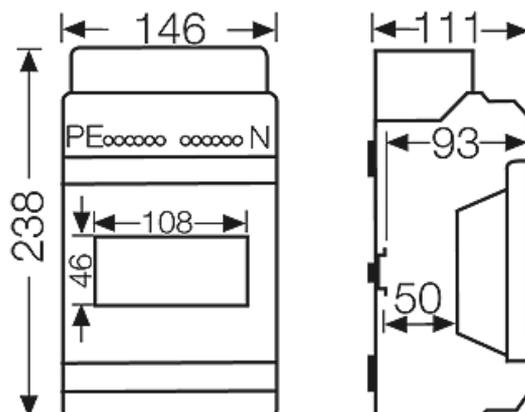



- 1-row
- per PE/N number x cross section 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup> Cu, FIXCONNECT<sup>®</sup> terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking 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
- degree of protection: IP 65
- colour: grey, RAL 7035

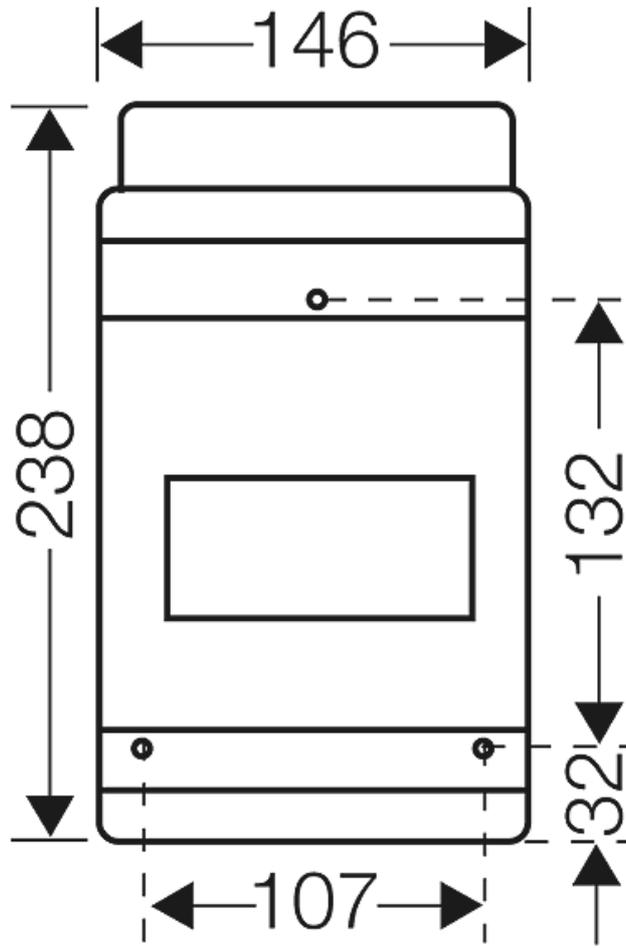
rated insulation voltage	$U_i = 400 \text{ V a.c.}$
power dissipation capability	$P_{de} = 13 \text{ watts at } 30 \text{ K according to EN 60670-24}$
protection class	II
material	PS (Polystyrene)
width	146 mm
height	238 mm
depth	111 mm
weight	0,767 kg

## Drawings

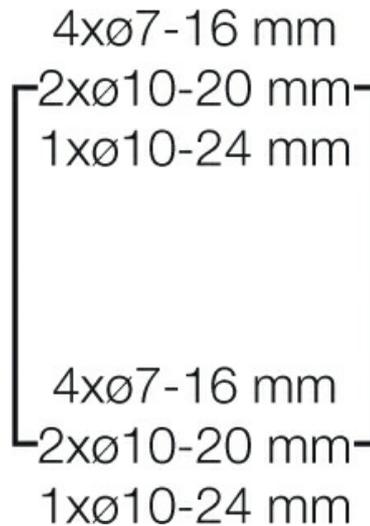
Dimension drawing



Detail mass



Box walls



## Operating and ambient conditions

Application area

IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences  
IP 40/41 design: Suitable for installation in dry indoor areas  
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

Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °C
Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



### KV 8104

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

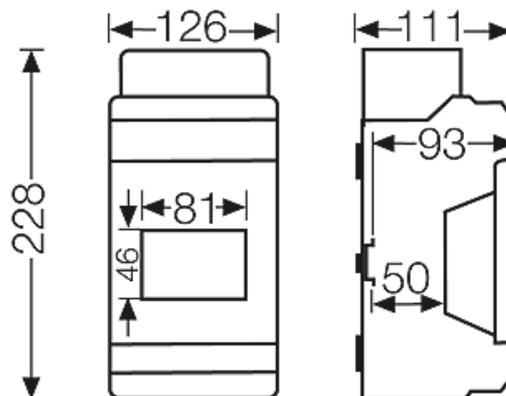



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- cable entry via integrated elastic membranes
- degree of protection: IP 65
- colour: grey, RAL 7035

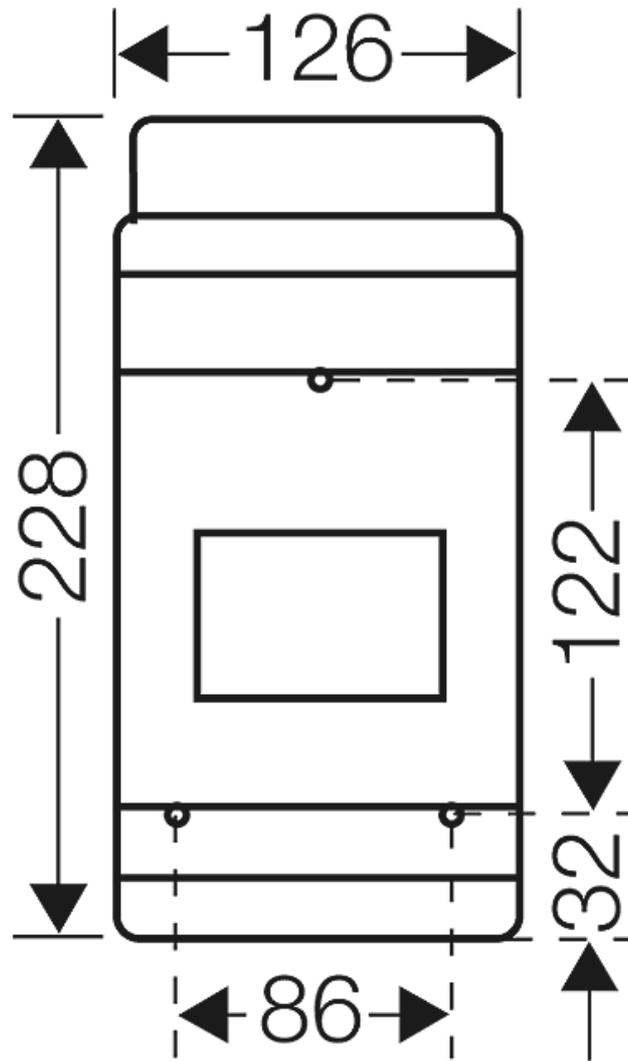
rated insulation voltage	$U_i = 400 \text{ V a.c.}$
power dissipation capability	$P_{de} = 12 \text{ watts at } 30 \text{ K according to EN 60670-24}$
protection class	II
material	PS (Polystyrene)
width	126 mm
height	228 mm
depth	111 mm
weight	0,581 kg

## Drawings

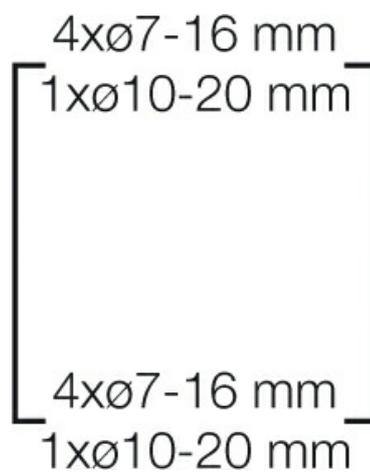
Dimension drawing



Detail mass



Box walls



### Operating and ambient conditions

Application area	IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences IP 40/41 design: Suitable for installation in dry indoor areas 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
Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °C
Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



### KV 9104

- 4.5 modules: 1 x 4.5 x 18 mm

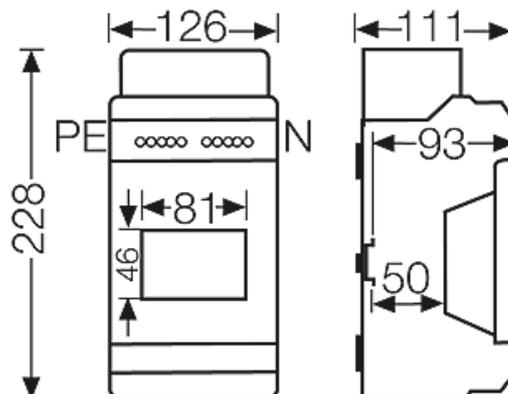



- 1-row
- per PE/N number x cross section 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup> Cu, FIXCONNECT<sup>®</sup> terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking 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
- degree of protection: IP 65
- colour: grey, RAL 7035

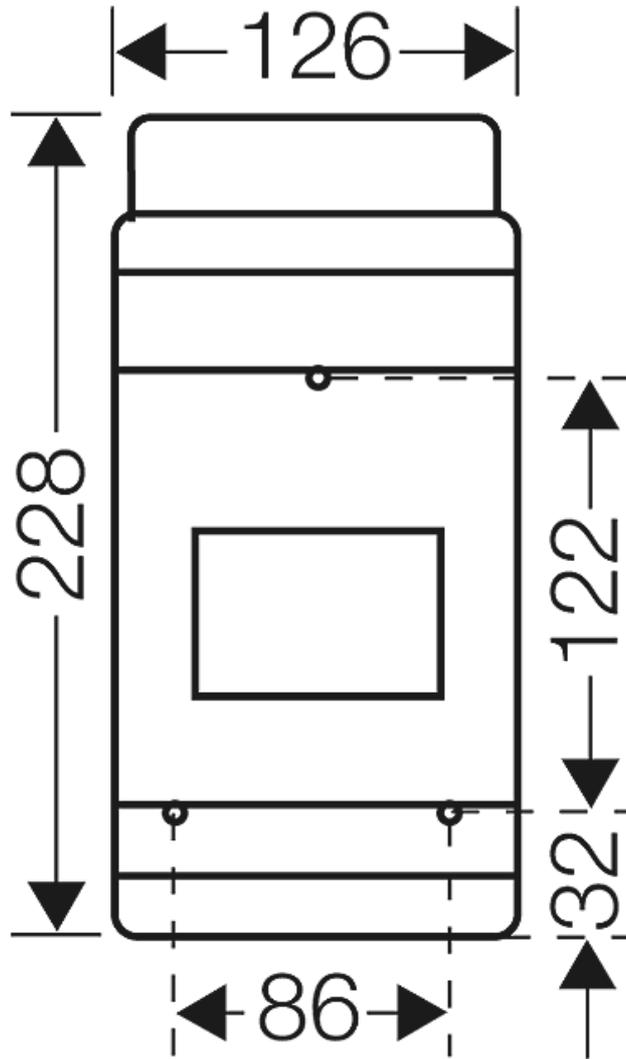
rated insulation voltage	U <sub>i</sub> = 400 V a.c.
power dissipation capability	P <sub>de</sub> = 12 watts at 30 K according to EN 60670-24
protection class	II
material	PS (Polystyrene)
width	126 mm
height	228 mm
depth	111 mm
weight	0,646 kg

## Drawings

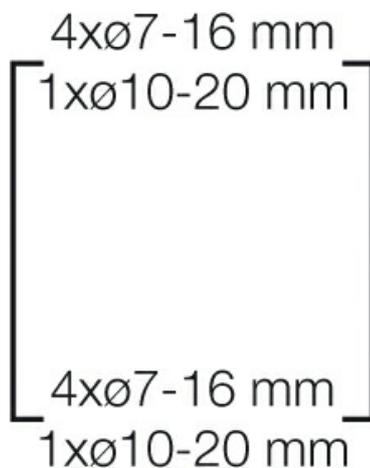
Dimension drawing



Detail mass



Box walls



### Operating and ambient conditions

Application area

IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences  
IP 40/41 design: Suitable for installation in dry indoor areas  
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

Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °C
Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



### KV 9103

- 3 modules: 1 x 3 x 18 mm

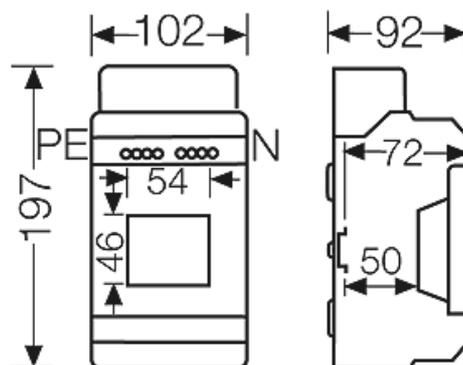



- 1-row
- per PE/N number x cross section 1 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup> Cu, FIXCONNECT<sup>®</sup> terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking 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
- degree of protection: IP 65
- colour: grey, RAL 7035

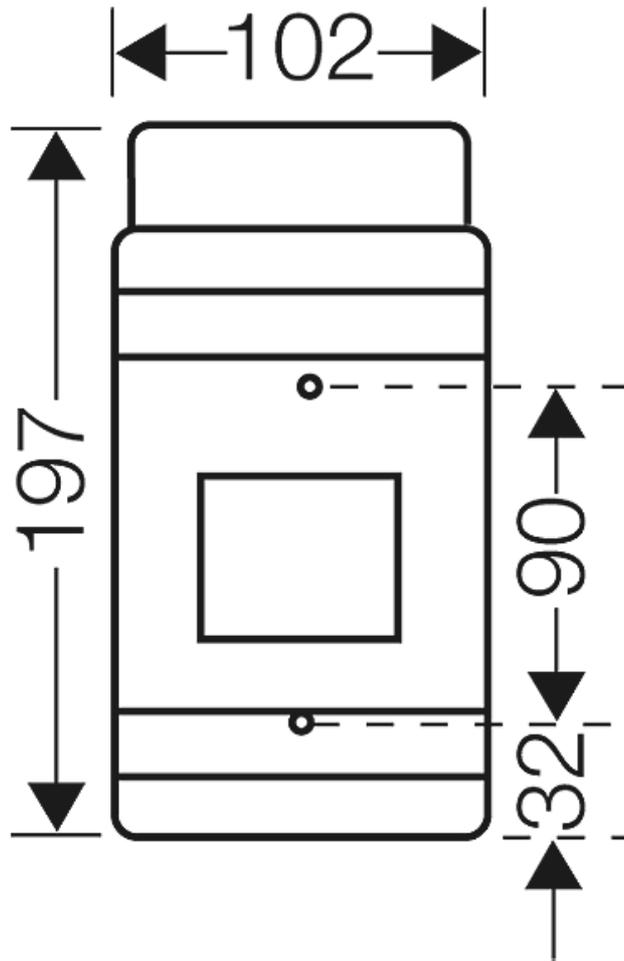
rated insulation voltage	U <sub>i</sub> = 400 V a.c.
power dissipation capability	P <sub>de</sub> = 10 watts at 30 K according to EN 60670-24
protection class	II
material	PS (Polystyrene)
width	102 mm
height	197 mm
depth	92 mm
weight	0,414 kg

## Drawings

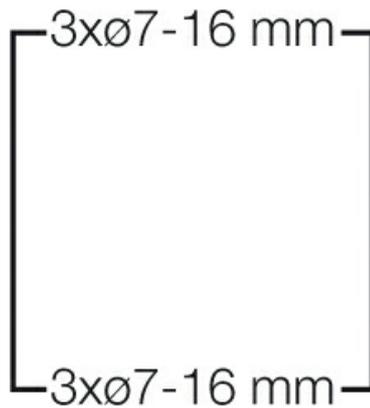
Dimension drawing



Detail mass



Box walls



## Operating and ambient conditions

Application area

IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences  
IP 40/41 design: Suitable for installation in dry indoor areas  
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

Ambient temperature

Average value over 24 hours + 35 °C  
Maximum value + 40 °C  
Minimum value - 5 °C

Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## KV Circuit breaker boxes with metric knockouts



**KV 6103**

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

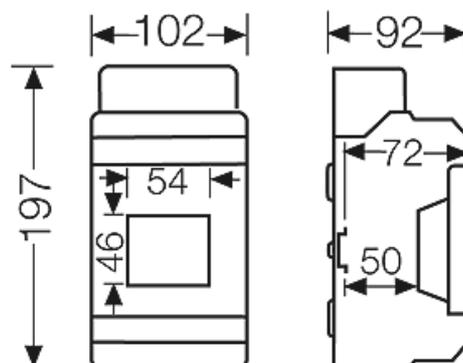



- 1-row
- knockouts: top and bottom walls 2x M20 each
- order PE/N terminals separately
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking device for hinged lid and sealing facility see accessories
- with cable entry cover
- protective cover can be cut out
- degree of protection: IP 65
- colour: grey, RAL 7035

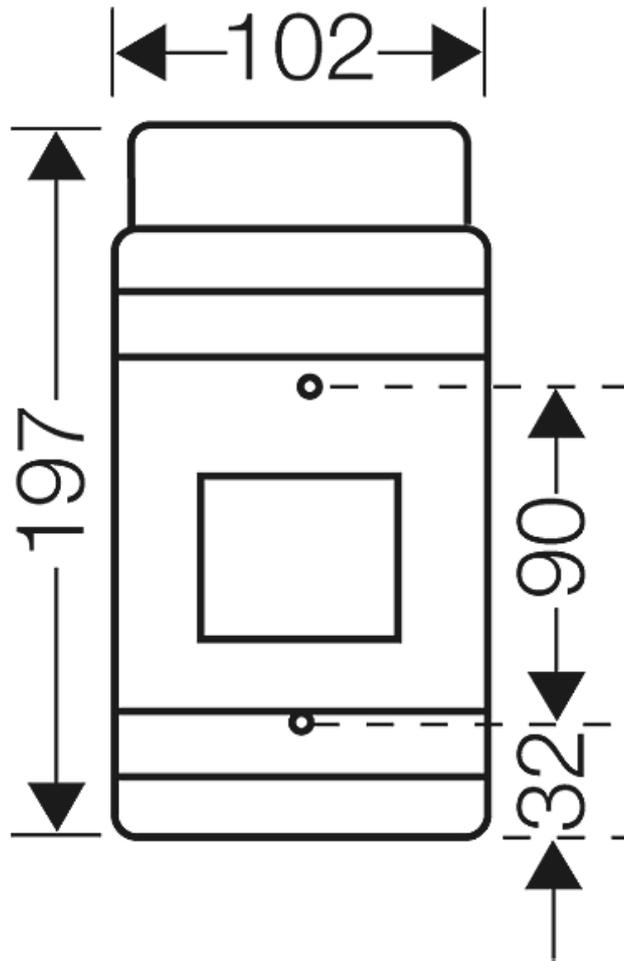
rated insulation voltage	$U_i = 400 \text{ V a.c.}$
power dissipation capability	$P_{de} = 10 \text{ watts at } 30 \text{ K according to EN 60670-24}$
protection class	II
material	PS (Polystyrene)
width	102 mm
height	197 mm
depth	92 mm
weight	0,361 kg

## Drawings

Dimension drawing



Detail mass



Box walls



## Operating and ambient conditions

Application area

IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences  
IP 40/41 design: Suitable for installation in dry indoor areas  
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

Ambient temperature

Average value over 24 hours + 35 °C  
Maximum value + 40 °C  
Minimum value - 5 °C

Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## KV Circuit breaker boxes 3-54 modules



### KV 9103

- 3 modules: 1 x 3 x 18 mm

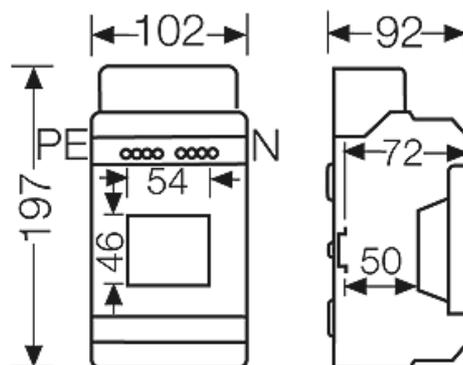



- 1-row
- per PE/N number x cross section 1 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup> Cu, FIXCONNECT<sup>®</sup> terminal technology, for terminal technology refer to technical data
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent lid, sealable
- locking 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
- degree of protection: IP 65
- colour: grey, RAL 7035

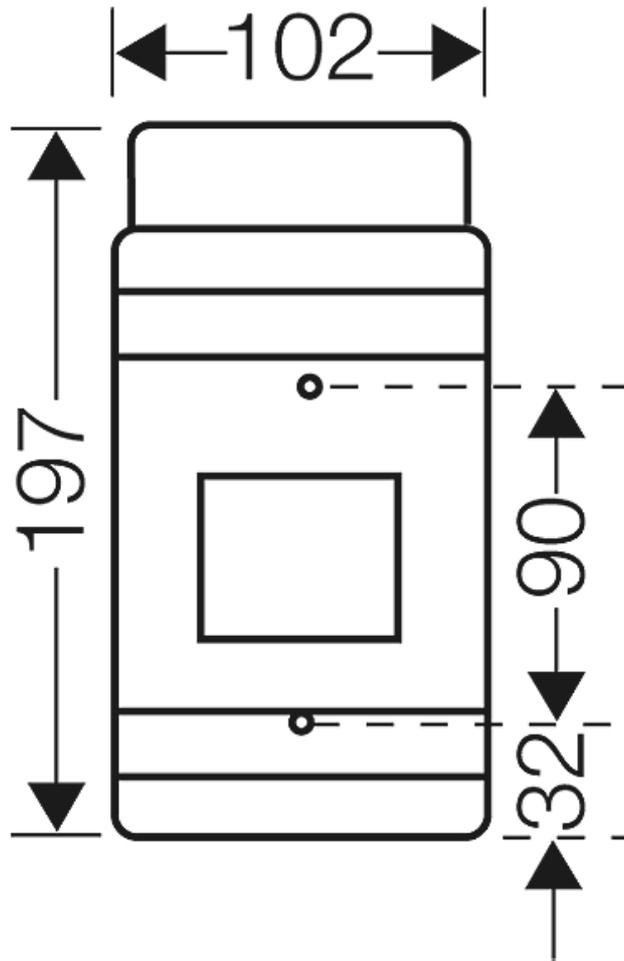
rated insulation voltage	U <sub>i</sub> = 400 V a.c.
power dissipation capability	P <sub>de</sub> = 10 watts at 30 K according to EN 60670-24
protection class	II
material	PS (Polystyrene)
width	102 mm
height	197 mm
depth	92 mm
weight	0,414 kg

## Drawings

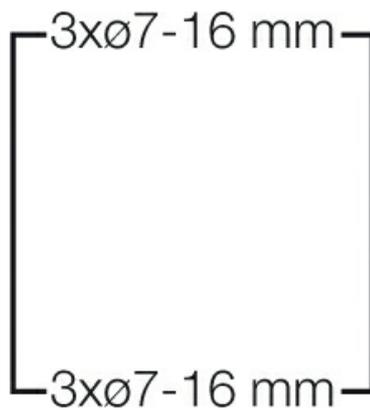
Dimension drawing



Detail mass



Box walls



## Operating and ambient conditions

Application area

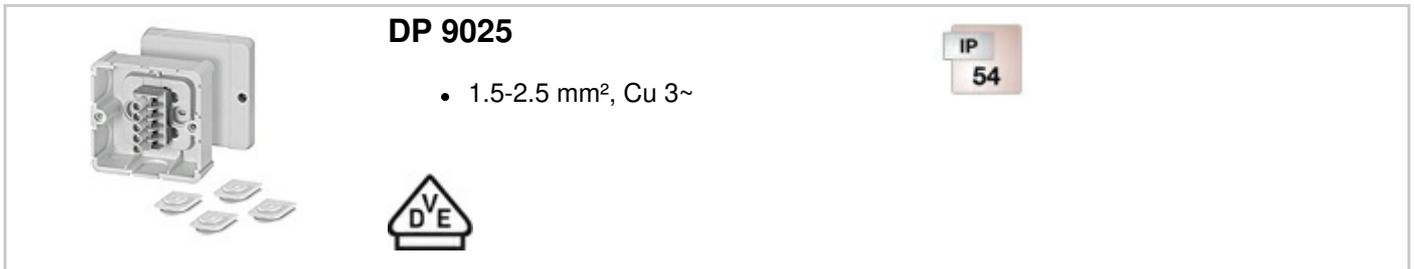
IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences  
IP 40/41 design: Suitable for installation in dry indoor areas  
However, pay attention to the climatic effects on the installed equipment, for example, high or low ambient temperatures or formation of condensed water see technical information

Ambient temperature

Average value over 24 hours + 35 °C  
Maximum value + 40 °C  
Minimum value - 5 °C

Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2 flame-retardant self-extinguishing
Degree of protection against mechanical load	IK08 (5 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.

## For cable trunking and conduit installation

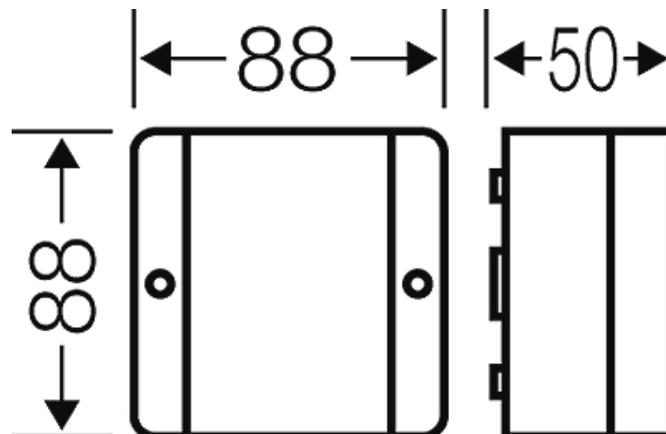


- with terminals
- 5-pole per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol, 3 x 4 mm<sup>2</sup> sol
- for cable trunking and conduit installation
- included cable entry: 4 DPS 02, sealing range Ø 10-13,5 mm
- colour: grey, RAL 7035

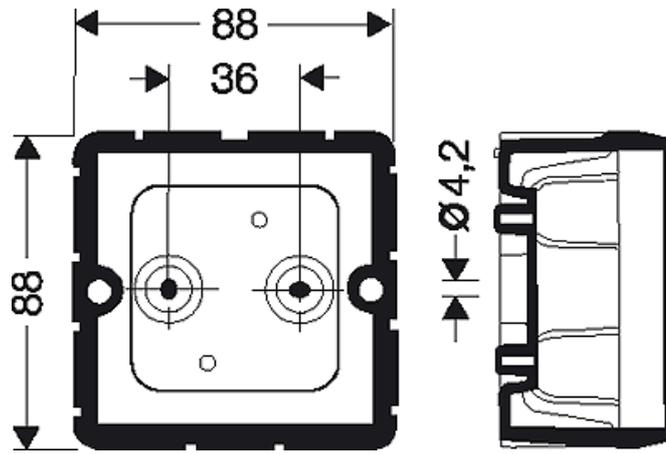
rated insulation voltage	U <sub>i</sub> = 690 V a.c./d.c.
material	PS (Polystyrene)
degree of protection	IP 54
width	88 mm
height	88 mm
depth	49 mm
weight	0,147 kg
tightening torque for terminal	1.2 Nm
in accordance with	IEC 60670-22

## Drawings

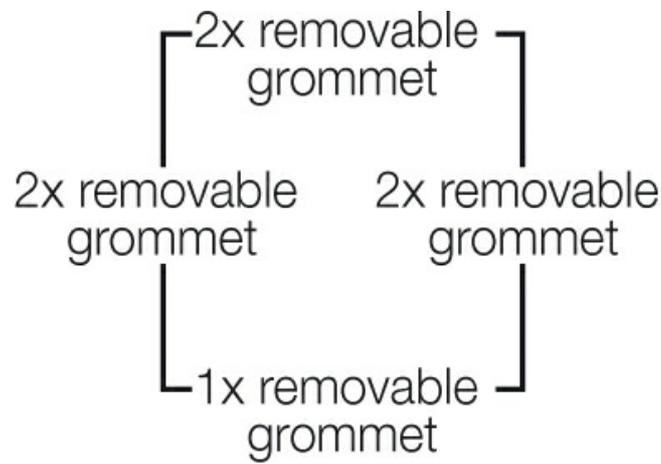
Dimension drawing



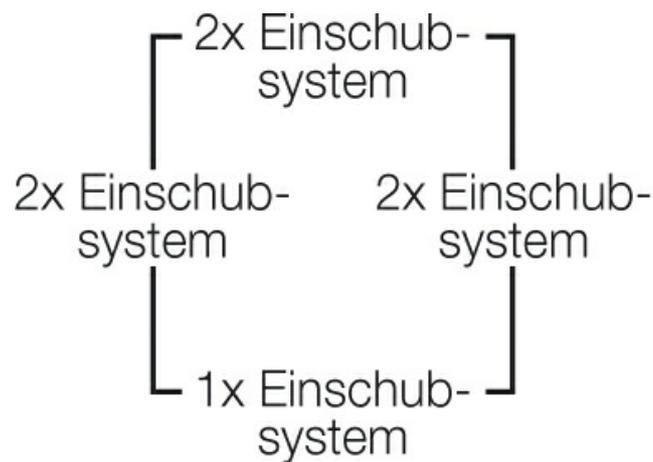
Detail mass



Box walls



Box walls



## Operating and ambient conditions

Application area

Suitable for indoor installation and outdoor installation, protected against weather influences

Ambient temperature

Average value over 24 hours + 35 °C  
Maximum value + 40 °C  
Minimum value - 25 °C

Relative humidity	50% at 40° C short-time 100% at 25° C
Fire protection in the event of internal faults	Demands placed on electrical devices from standards and laws Minimum requirements - Glow wire test in accordance with IEC 60695-2-11: - 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 60695-2-11: 750 °C UL Subject 94: V-2
Degree of protection against mechanical load	IK07 (2 Joule)
Toxic behaviour	halogen-free silicone-free "halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2
Note:	For material properties see technical data.