



## KV Small-type distribution boards

3 - 54 modules, IP 40-65

- With new FIXCONNECT® plug-in technology for PE/N
- Halogen-free, silicone-free
- With original user-friendly Hensel design
- Empty enclosures and KV extra circuit breaker boxes for special applications

**KV Small-type distribution boards fit for the new standard**

**IEC 60 364-4-41**

**„Protection against electric shock”**

**KV Small-type distribution boards conform to the RoHS Directive 2002/95/EC, refer to technical data.**

### Assortment of KV Small-type distribution boards pages 113 - 115

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**IP 40**  
**12-36 modules**  
**without PE + N terminal**  
**cable/conduit entry via metric knockouts**

Circuit breaker boxes 12-36 modules with transparent door page 117

Circuit breaker boxes 12-36 modules with grey door page 118

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**IP 65 / IP 54**  
**3-54 modules**  
**cable entry via elastic membranes**

Circuit breaker boxes 3-9 modules with PE + N terminal pages 120 - 121

Circuit breaker boxes 3-9 modules without PE + N terminal pages 120 - 121

Circuit breaker boxes 12-54 modules with PE + N terminal pages 122 - 127

Circuit breaker boxes 12-54 modules without PE + N terminal pages 122 - 127

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**IP 65 / IP 54**  
**3-54 modules**  
**cable/conduit entry via metric knock outs**

Circuit breaker boxes 3-9 modules with PE + N terminal page 128

Circuit breaker boxes 3-9 modules without PE + N terminal page 128

Circuit breaker boxes 12-54 modules with PE + N terminal pages 129 - 134

Circuit breaker boxes 12-54 modules without PE + N terminal pages 129 - 134

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**IP 54**  
**3-54 modules**  
**cable entry via integrated membranes for conduit installation**

Circuit breaker boxes 12-54 modules with PE + N terminal pages 136 - 137

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**IP 65**  
**KV extra circuit-breaker boxes**  
 with space for electrical devices not to be manually actuated  
**cable entry via elastic membranes**

without PE + N terminals pages 139 - 140

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**IP 65**  
**KV extra circuit-breaker boxes**  
 with space for electrical devices not to be manually actuated  
**cable/conduit entry via metric knockouts**

without PE + N terminals pages 141 - 142




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### Empty boxes

Empty boxes with cable/conduit entry via metric knockouts	page 144
Empty box with cable entry via elastic membranes	page 144




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### KWH Meter boxes

page 146




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### Accessories

pages 148 - 152




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### Technical details

pages 154 - 159



**KV Small-type distribution boards**  
**Circuit breaker boxes IP 40**  
**cable entry via metric knockouts**

Service

DK

KV



12 to 36 modules:  
 attached blanking strips for DIN rail  
 equipment openings



Cable/conduit entry via  
 metric knockouts.



Large area for labelling -  
 and a lot of space to actuate  
 the equipment installed.



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



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



Door hingeing interchangeable  
 fast and easy from left to right.

## KV Small-type distribution boards

### Circuit breaker boxes IP 40

#### cable entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- **without PE and N terminal**
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings

- material thermoplastic
- colour white, RAL 9016



**KV 0112 IP 40**

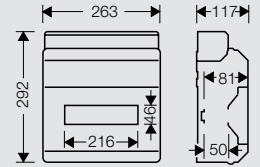
**12 modules 1 x 12 x 18 mm**

1-row

included cable entry:

1 STM 32, 2 STM 25, 6 STM 20

15  
15



**KV 0124 IP 40**

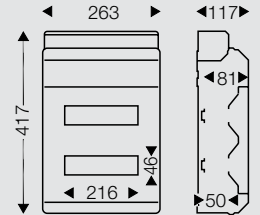
**24 modules 2 x 12 x 18 mm**

2-row

included cable entry:

1 STM 32, 2 STM 25, 8 STM 20

15  
15



**KV 0136 IP 40**

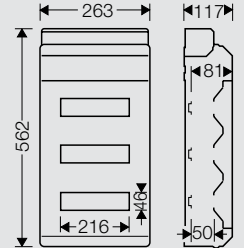
**36 modules 3 x 12 x 18 mm**

3-row

included cable entry:

1 STM 32, 4 STM 25, 8 STM 20

15  
15



#### Box walls with metric knockouts for cable entry:



Wall 15: 8 x M 20, 4 x M 20/25, 1 x M 25/32

## KV Small-type distribution boards

### Circuit breaker boxes IP 40

#### cable entry via metric knockouts

Service

DK

KV

- for the installation of DIN rail equipment, top hat profile 35 mm
- **without PE and N terminal**
- with cable entry cover
- with grey door
- with blanking strips for unused DIN rail openings

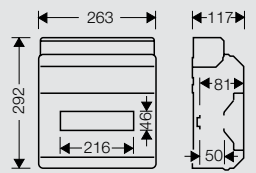
- material thermoplastic
- **colour white, RAL 9016**



**KV 0212 IP 40**

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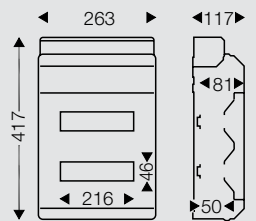
**12 modules 1 x 12 x 18 mm**  
 1-row  
 included cable entry:  
 1 STM 32, 2 STM 25, 6 STM 20



**KV 0224 IP 40**

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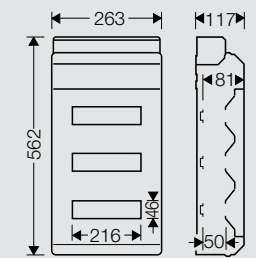
**24 modules 2 x 12 x 18 mm**  
 2-row  
 included cable entry:  
 1 STM 32, 2 STM 25, 8 STM 20



**KV 0236 IP 40**

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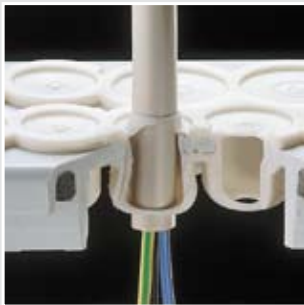
**36 modules 3 x 12 x 18 mm**  
 3-row  
 included cable entry:  
 1 STM 32, 4 STM 25, 8 STM 20



**Box walls with metric knockouts for cable entry:**



**Wall 15:** 8 x M 20, 4 x M 20/25, 1 x M 25/32



Cable entry via integrated, elastic membranes or cable/conduit entry via metric knockouts.



Integrated compartment for accessories - everything has its proper place.

Screws made of stainless steel V2A.



**new**

FIXCONNECT plug-in terminal technology for PE and N



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



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

Plenty of room for labelling and marking.

Door hingeing interchangeable fast and easy from left to right.



Burning behaviour:  
Glow wire test according to IEC 60 695-2-1: 750 °C, flame-retardant, self-extinguishing



## KV Small-type distribution boards

### Circuit breaker boxes

### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- protective cover can be cut out
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9103</b>	<b>IP 65</b>			
	<b>3 modules 1 x 3 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 1 x 25 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , Cu		197	102
<b>KV 8103</b>	<b>IP 65</b>			
	<b>3 modules 1 x 3 x 18 mm</b> 1-row		197	102
<b>KV 1503</b>	<b>IP 54</b>			
	<b>3 modules 1 x 3 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 1 x 25 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , Cu		197	102
<b>KV 1603</b>	<b>IP 54</b>			
	<b>3 modules 1 x 3 x 18 mm</b> 1-row		197	102
<b>KV 9104</b>	<b>IP 65</b>			
	<b>4,5 modules 1 x 4,5 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 2 x 25 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , Cu		228	126
<b>KV 8104</b>	<b>IP 65</b>			
	<b>4,5 modules 1 x 4,5 x 18 mm</b> 1-row		228	126
<b>KV 1504</b>	<b>IP 54</b>			
	<b>4,5 modules 1 x 4,5 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 2 x 25 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , Cu		228	126
<b>KV 1604</b>	<b>IP 54</b>			
	<b>4,5 modules 1 x 4,5 x 18 mm</b> 1-row		228	126

#### Box walls with elastic membranes for cable entry:



Wall 1: 3 x  $\varnothing$  7-16 mm



Wall 2: 4 x  $\varnothing$  7-16 mm, 1 x  $\varnothing$  10-20 mm



## KV Small-type distribution boards

### Circuit breaker boxes

### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- protective cover can be cut out
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9106</b>	<b>IP 65</b>		<b>6 modules 1 x 6 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 2 x 25 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , Cu	
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<b>KV 8106</b>	<b>IP 65</b>		<b>6 modules 1 x 6 x 18 mm</b> 1-row	
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<b>KV 1506</b>	<b>IP 54</b>		<b>6 modules 1 x 6 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 2 x 25 mm <sup>2</sup> , 4 x 4 mm <sup>2</sup> , Cu	
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<b>KV 1606</b>	<b>IP 54</b>		<b>6 modules 1 x 6 x 18 mm</b> 1-row	
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<b>KV 9109</b>	<b>IP 65</b>		<b>9 modules 1 x 9 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 2 x 25 mm <sup>2</sup> , 8 x 4 mm <sup>2</sup> , Cu	
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<b>KV 8109</b>	<b>IP 65</b>		<b>9 modules 1 x 9 x 18 mm</b> 1-row	
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<b>KV 1509</b>	<b>IP 54</b>		<b>9 modules 1 x 9 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 2 x 25 mm <sup>2</sup> , 8 x 4 mm <sup>2</sup> , Cu	
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<b>KV 1609</b>	<b>IP 54</b>		<b>9 modules 1 x 9 x 18 mm</b> 1-row	
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#### Box walls with elastic membranes for cable entry:



**Wall 3:** 4 x  $\varnothing$  7-16 mm, 2 x  $\varnothing$  10-20 mm, 1 x  $\varnothing$  10-24 mm



**Wall 4:** 8 x  $\varnothing$  7-16 mm, 2 x  $\varnothing$  10-20 mm, 1 x  $\varnothing$  10-24 mm

## KV Small-type distribution boards

### Circuit breaker boxes

### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V

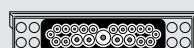


<b>KV 9112</b>	<b>IP 65</b>	5		
		5		
<b>12 modules 1 x 12 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 3 x 25 mm <sup>2</sup> , 12 x 4 mm <sup>2</sup> , Cu				
<b>KV 8112</b>	<b>IP 65</b>	5		
		5		
<b>12 modules 1 x 12 x 18 mm</b> 1-row				
<b>KV 1512</b>	<b>IP 54</b>	5		
		5		
<b>12 modules 1 x 12 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 3 x 25 mm <sup>2</sup> , 12 x 4 mm <sup>2</sup> , Cu				
<b>KV 1612</b>	<b>IP 54</b>	5		
		5		
<b>12 modules 1 x 12 x 18 mm</b> 1-row				
<b>KV 9118</b>	<b>IP 65</b>	6		
		6		
<b>18 modules 1 x 18 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 4 x 25 mm <sup>2</sup> , 16 x 4 mm <sup>2</sup> , Cu				
<b>KV 8118</b>	<b>IP 65</b>	6		
		6		
<b>18 modules 1 x 18 x 18 mm</b> 1-row				
<b>KV 1518</b>	<b>IP 54</b>	6		
		6		
<b>18 modules 1 x 18 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 4 x 25 mm <sup>2</sup> , 16 x 4 mm <sup>2</sup> , Cu				
<b>KV 1618</b>	<b>IP 54</b>	6		
		6		
<b>18 modules 1 x 18 x 18 mm</b> 1-row				

#### Box walls with elastic membranes for cable entry:



**Wall 5:** 8 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm



**Wall 6:** 88 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm, 8 x M 20

## KV Small-type distribution boards

### Circuit breaker boxes

#### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9224</b> <b>IP 65</b> <hr/> <b>24 modules 2 x 12 x 18 mm</b> 2-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	
<b>KV 8224</b> <b>IP 65</b> <hr/> <b>24 modules 2 x 12 x 18 mm</b> 2-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	
<b>KV 2524</b> <b>IP 54</b> <hr/> <b>24 modules 2 x 12 x 18 mm</b> 2-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	
<b>KV 2624</b> <b>IP 54</b> <hr/> <b>24 modules 2 x 12 x 18 mm</b> 2-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	

#### Box walls with elastic membranes for cable entry:



**Wall 5:** 8 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm

## KV Small-type distribution boards

### Circuit breaker boxes

#### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9236</b>	<b>IP 65</b>	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div>	<p><b>36 modules 2 x 18 x 18 mm</b> 2-row</p> <p><b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm<sup>2</sup>, 32 x 4 mm<sup>2</sup>, Cu</p>	
<b>KV 8236</b>	<b>IP 65</b>	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div>	<p><b>36 modules 2 x 18 x 18 mm</b> 2-row</p>	
<b>KV 2536</b>	<b>IP 54</b>	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div>	<p><b>36 modules 2 x 18 x 18 mm</b> 2-row</p> <p><b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm<sup>2</sup>, 32 x 4 mm<sup>2</sup>, Cu</p>	
<b>KV 2636</b>	<b>IP 54</b>	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div>	<p><b>36 modules 2 x 18 x 18 mm</b> 2-row</p>	

#### Box walls with elastic membranes for cable entry:



**Wall 6:** 88 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm, 8 x M 20

## KV Small-type distribution boards

### Circuit breaker boxes

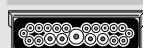
#### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9336</b> <b>IP 65</b> <hr/> <b>36 modules 3 x 12 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	
<b>KV 8336</b> <b>IP 65</b> <hr/> <b>36 modules 3 x 12 x 18 mm</b> 3-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	
<b>KV 3536</b> <b>IP 54</b> <hr/> <b>36 modules 3 x 12 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	
<b>KV 3636</b> <b>IP 54</b> <hr/> <b>36 modules 3 x 12 x 18 mm</b> 3-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div>	

#### Box walls with elastic membranes for cable entry:



**Wall 5:** 8 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm

## KV Small-type distribution boards

### Circuit breaker boxes

### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9448</b>	<b>IP 65</b>	5 5	<p><b>48 modules 4 x 12 x 18 mm</b> 4-row</p> <p><b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup>, Cu</p>	
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<b>KV 8448</b>	<b>IP 65</b>	5 5	<p><b>48 modules 4 x 12 x 18 mm</b> 4-row</p>	
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<b>KV 4548</b>	<b>IP 54</b>	5 5	<p><b>48 modules 4 x 12 x 18 mm</b> 4-row</p> <p><b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup>, Cu</p>	
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<b>KV 4648</b>	<b>IP 54</b>	5 5	<p><b>48 modules 4 x 12 x 18 mm</b> 4-row</p>	
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#### Box walls with elastic membranes for cable entry:



**Wall 5:** 8 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm

## KV Small-type distribution boards

### Circuit breaker boxes

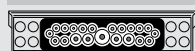
#### cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9354</b> <b>IP 65</b> <hr/> <b>54 modules 3 x 18 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm <sup>2</sup> , 32 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>6</span> <span>6</span> </div>	
<b>KV 8354</b> <b>IP 65</b> <hr/> <b>54 modules 3 x 18 x 18 mm</b> 3-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>6</span> <span>6</span> </div>	
<b>KV 3554</b> <b>IP 54</b> <hr/> <b>54 modules 3 x 18 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm <sup>2</sup> , 32 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>6</span> <span>6</span> </div>	
<b>KV 3654</b> <b>IP 54</b> <hr/> <b>54 modules 3 x 18 x 18 mm</b> 3-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>6</span> <span>6</span> </div>	

#### Box walls with elastic membranes for cable entry:



**Wall 6:** 88 x ø 7-12 mm, 8 x ø 7-14 mm,  
4 x ø 11-20 mm, 1 x ø 16-29 mm, 8 x M 20

## KV Small-type distribution boards

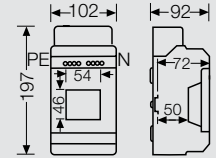
### Circuit breaker boxes

### cable/conduit entry via metric knockouts

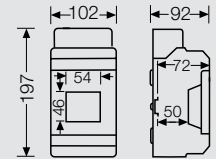
- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- protective cover can be cut out
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



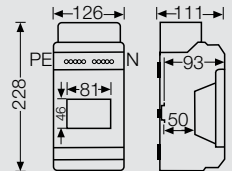
**KV 7103 IP 65**  
**3 modules 1 x 3 x 18 mm**  
 1-row  
**FIXCONNECT® plug-in terminal technology**  
 PE+N: 1 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu



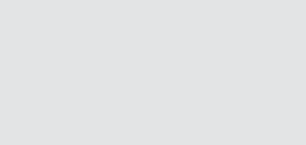
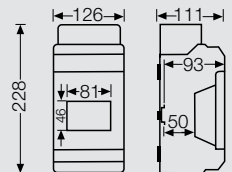
**KV 6103 IP 65**  
**3 modules 1 x 3 x 18 mm**  
 1-row



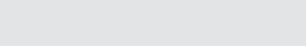
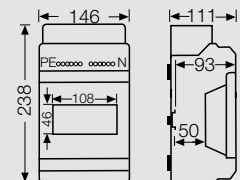
**KV 7104 IP 65**  
**4.5 modules 1 x 4.5 x 18 mm**  
 1-row  
**FIXCONNECT® plug-in terminal technology**  
 PE+N: 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu



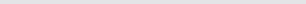
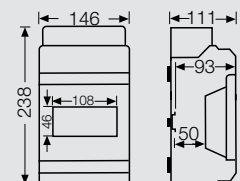
**KV 6104 IP 65**  
**4.5 modules 1 x 4,5 x 18 mm**  
 1-row



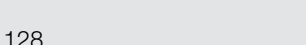
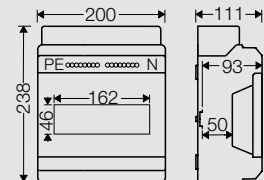
**KV 7106 IP 65**  
**6 modules 1 x 6 x 18 mm**  
 1-row  
**FIXCONNECT® plug-in terminal technology**  
 PE+N: 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu



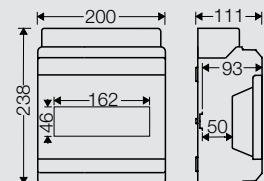
**KV 6106 IP 65**  
**6 modules 1 x 6 x 18 mm**  
 1-row



**KV 7109 IP 65**  
**9 modules 1 x 9 x 18 mm**  
 1-row  
**FIXCONNECT® plug-in terminal technology**  
 PE+N: 2 x 25 mm<sup>2</sup>, 8 x 4 mm<sup>2</sup>, Cu



**KV 6109 IP 65**  
**9 modules 1 x 9 x 18 mm**  
 1-row



**Box walls with metric knock outs for cable entry:**



**Wall 11:** 3 x M 16



**Wall 13:** 2 x M 20, 1 x M 20/32



**Wall 12:** 2 x M 20, 1 x M 20/32



**Wall 14:** 4 x M 20, 1 x M 20/32



## KV Small-type distribution boards

### Circuit breaker boxes

#### cablE/conduit entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9112 M</b>	<b>IP 65</b>	9	
<b>12 modules 1 x 12 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 3 x 25 mm <sup>2</sup> , 12 x 4 mm <sup>2</sup> , Cu		9	

<b>KV 8112 M</b>	<b>IP 65</b>	9	
<b>12 modules 1 x 12 x 18 mm</b> 1-row		9	

<b>KV 1512 M</b>	<b>IP 54</b>	9	
<b>12 modules 1 x 12 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 3 x 25 mm <sup>2</sup> , 12 x 4 mm <sup>2</sup> , Cu		9	

<b>KV 1612 M</b>	<b>IP 54</b>	9	
<b>12 modules 1 x 12 x 18 mm</b> 1-row		9	



<b>KV 9118 M</b>	<b>IP 65</b>	10	
<b>18 modules 1 x 18 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 4 x 25 mm <sup>2</sup> , 16 x 4 mm <sup>2</sup> , Cu		10	

<b>KV 8118 M</b>	<b>IP 65</b>	10	
<b>18 modules 1 x 18 x 18 mm</b> 1-row		10	

<b>KV 1518 M</b>	<b>IP 54</b>	10	
<b>18 modules 1 x 18 x 18 mm</b> 1-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 4 x 25 mm <sup>2</sup> , 16 x 4 mm <sup>2</sup> , Cu		10	

<b>KV 1618 M</b>	<b>IP 54</b>	10	
<b>18 modules 1 x 18 x 18 mm</b> 1-row		10	

#### Box walls with metric knock outs:



**Wall 9:** 4 x M 20, 2 x M 20/25, 1 x M 32



**Wall 10:** 12 x M 20, 2 x M 20/25, 1 x M 32

## KV Small-type distribution boards

### Circuit breaker boxes

#### cab/e/conduit entry via metric knockouts

Service

DK

KV

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9224 M IP 65</b> <b>24 modules 2 x 12 x 18 mm</b> 2-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div>	
<b>KV 8224 M IP 65</b> <b>24 modules 2 x 12 x 18 mm</b> 2-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div>	
<b>KV 2524 M IP 54</b> <b>24 modules 2 x 12 x 18 mm</b> 2-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div>	
<b>KV 2624 M IP 54</b> <b>24 modules 2 x 12 x 18 mm</b> 2-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div>	

#### Box walls with metric knock outs:



Wall 9: 4 x M 20, 2 x M 20/25, 1 x M 32

## KV Small-type distribution boards

### Circuit breaker boxes

#### cab/e/conduit entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9236 M IP 65</b> <b>36 modules 2 x 18 x 18 mm</b> 2-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm <sup>2</sup> , 32 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>10</span> <span>10</span> </div>	
<b>KV 8236 M IP 65</b> <b>36 modules 2 x 18 x 18 mm</b> 2-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>10</span> <span>10</span> </div>	
<b>KV 2536 M IP 54</b> <b>36 modules 2 x 18 x 18 mm</b> 2-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm <sup>2</sup> , 32 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>10</span> <span>10</span> </div>	
<b>KV 2636 M IP 54</b> <b>36 modules 2 x 18 x 18 mm</b> 2-row	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>10</span> <span>10</span> </div>	

#### Box walls with metric knock outs:



Wall 10: 12 x M 20, 2 x M 20/25, 1 x M 32

## KV Small-type distribution boards

### Circuit breaker boxes

#### cablE/conduit entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9336 M IP 65</b> <b>36 modules 3 x 12 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu		
<b>KV 8336 M IP 65</b> <b>36 modules 3 x 12 x 18 mm</b> 3-row		
<b>KV 3536 M IP 54</b> <b>36 modules 3 x 12 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu		
<b>KV 3636 M IP 54</b> <b>36 modules 3 x 12 x 18 mm</b> 3-row		

#### Box walls with metric knock outs:



Wall 9: 4 x M 20, 2 x M 20/25, 1 x M 32

## KV Small-type distribution boards

### Circuit breaker boxes

#### cab/e/conduit entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9448 M IP 65</b> <b>48 modules 4 x 12 x 18 mm</b> 4-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu		
<b>KV 8448 M IP 65</b> <b>48 modules 4 x 12 x 18 mm</b> 4-row		
<b>KV 4548 M IP 54</b> <b>48 modules 4 x 12 x 18 mm</b> 4-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 6 x 25 mm <sup>2</sup> , 24 x 4 mm <sup>2</sup> , Cu		
<b>KV 4648 M IP 54</b> <b>48 modules 4 x 12 x 18 mm</b> 4-row		

#### Box walls with metric knock outs:



Wall 9: 4 x M 20, 2 x M 20/25, 1 x M 32

## KV Small-type distribution boards

### Circuit breaker boxes

#### ■ cable/conduit entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



<b>KV 9354 M IP 65</b> <b>54 modules 3 x 18 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm <sup>2</sup> , 32 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div>	
<b>KV 8354 M IP 65</b> <b>54 modules 3 x 18 x 18 mm</b> 3-row	<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div>	
<b>KV 3554 M IP 54</b> <b>54 modules 3 x 18 x 18 mm</b> 3-row <b>FIXCONNECT® plug-in terminal technology</b> PE+N: 8 x 25 mm <sup>2</sup> , 32 x 4 mm <sup>2</sup> , Cu	<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div>	
<b>KV 3654 M IP 54</b> <b>54 modules 3 x 18 x 18 mm</b> 3-row	<div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div> <div style="border: 1px solid black; padding: 2px; width: 20px; margin: 0 auto;">10</div>	

#### Box walls with metric knock outs:



**Wall 10:** 12 x M 20, 2 x M 20/25, 1 x M 32

**KV Small-type distribution boards**  
**Circuit breaker boxes**  
**conduit entry via integrated elastic membranes**



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



Conduit entry  
 via integrated elastic  
 membranes.



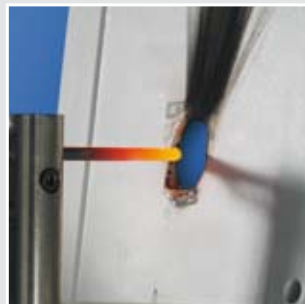
Plenty of space for installation  
 and wiring:



Integrated compartment for  
 accessories -  
 everything has its proper place.



Door hinging interchangeable  
 fast and easy from left to right.



Burning behaviour:  
 Glow wire test according to  
 IEC 60 695-2-1: 750 °C,  
 flame-retardant,  
**self-extinguishing**



## KV Small-type distribution boards

### Circuit breaker boxes

#### conduit entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent lid
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



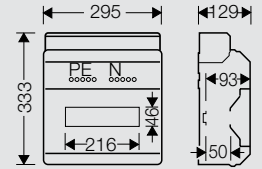
**KV 1712 IP 54**

**12 modules 1 x 12 x 18 mm**

1-row

**FIXCONNECT® plug-in terminal technology**

PE+N: 3 x 25 mm<sup>2</sup>, 12 x 4 mm<sup>2</sup>, Cu



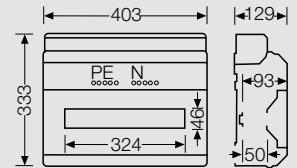
**KV 1718 IP 54**

**18 modules 1 x 18 x 18 mm**

1-row

**FIXCONNECT® plug-in terminal technology**

PE+N: 4 x 25 mm<sup>2</sup>, 16 x 4 mm<sup>2</sup>, Cu



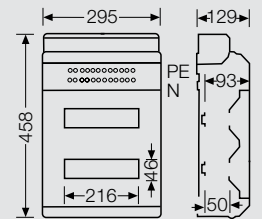
**KV 2724 IP 54**

**24 modules 2 x 12 x 18 mm**

2-row

**FIXCONNECT® plug-in terminal technology**

PE+N: 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup>, Cu



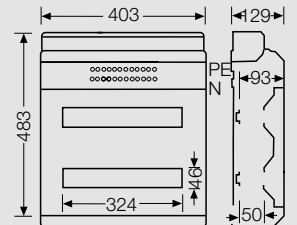
**KV 2736 IP 54**

**36 modules 2 x 18 x 18 mm**

2-row

**FIXCONNECT® plug-in terminal technology**

PE+N: 8 x 25 mm<sup>2</sup>, 32 x 4 mm<sup>2</sup>, Cu



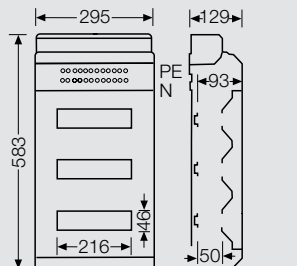
**KV 3736 IP 54**

**36 modules 3 x 12 x 18 mm**

3-row

**FIXCONNECT® plug-in terminal technology**

PE+N: 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup>, Cu



#### Box walls with with integrated membranes for conduit installation



**Wall 7:** 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 8:** 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



## KV Small-type distribution boards

### Circuit breaker boxes

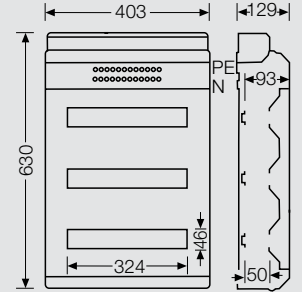
### conduit entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- with cable entry cover
- with transparent lid
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



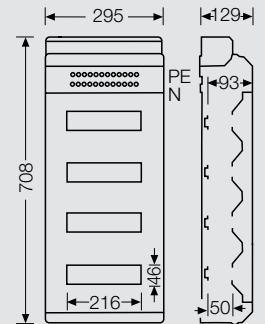
**KV 3754 IP 54**

**54 modules 3 x 18 x 18 mm**  
 3-row  
**FIXCONNECT® plug-in terminal technology**  
 PE+N: 8 x 25 mm<sup>2</sup>, 32 x 4 mm<sup>2</sup>, Cu



**KV 4748 IP 54**

**48 modules 4 x 12 x 18 mm**  
 4-row  
**FIXCONNECT® plug-in terminal technology**  
 PE+N  
 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup>, Cu



#### Box walls with with integrated membranes for conduit installation



**Wall 7:** 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 8:** 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

## KV »Extra« Circuit breaker boxes with additional space for electrical devices not to be manually actuated

Service

DK

KV



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.

Short wiring ways.



Integrated compartment for accessories - everything has its proper place.

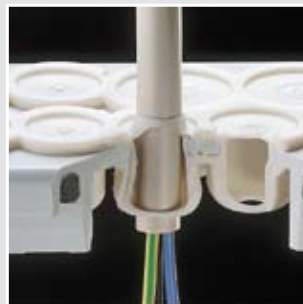
Screws made of stainless steel V2A.



Compact user friendly solution, optically optimized.

Pre-assembly and wiring are possible in the workshop when terminal blocks are provided for.

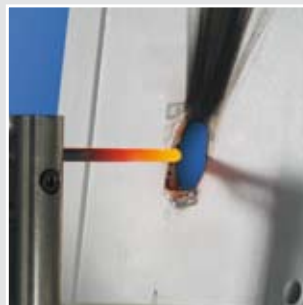
Door hingeing interchangeable fast and easy from left to right.



Cable entry via integrated, elastic membranes or cable/conduit entry via metric knockouts.



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



Burning behaviour: Glow wire test according to IEC 60 695-2-1: 750 °C, flame-retardant, **self-extinguishing**



## KV »Extra« Circuit breaker boxes

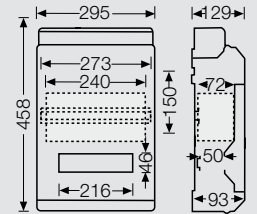
with additional space for electrical devices not to be manually actuated  
cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- **without PE and N terminal**
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



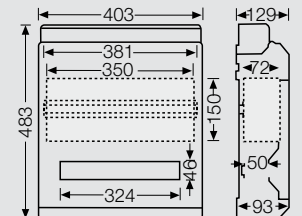
**KV 9220 IP 65**

**12 modules 1 x 12 x 18 mm**  
**+ 1 DIN rail 273 mm wide**  
1-row



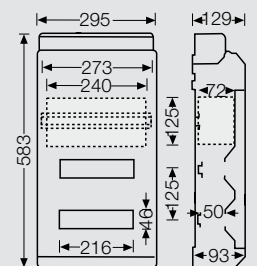
**KV 9230 IP 65**

**18 modules 1 x 18 x 18 mm**  
**+ 1 DIN rail 381 mm wide**  
1-row



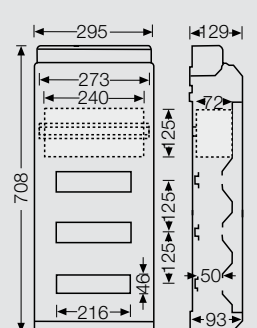
**KV 9330 IP 65**

**24 modules 2 x 12 x 18 mm**  
**+ 1 DIN rail 273 mm wide**  
2-row



**KV 9440 IP 65**

**36 modules 3 x 12 x 18 mm**  
**+ 1 DIN rail 273 mm wide**  
3-row



### Box walls with elastic membranes for cable entry:



**Wall 5:** 8 x ø 7-12 mm, 8 x ø 7-14 mm, 4 x ø 11-20 mm, 1 x ø 16-29 mm



**Wall 6:** 8 x ø 7-12 mm, 8 x ø 7-14 mm, 4 x ø 11-20 mm, 1 x ø 16-29 mm, 8 x M 20

## KV »Extra« Circuit breaker boxes

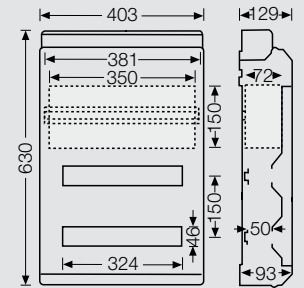
with additional space for electrical devices not to be manually actuated  
cable entry via integrated elastic membranes

- for the installation of DIN rail equipment, top hat profile 35 mm
- for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- **without PE and N terminal**
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



**KV 9350 IP 65**

**36 modules 2 x 18 x 18 mm**  
**+ 1 DIN rail 381 mm wide**  
2-row



### Box walls with elastic membranes for cable entry:



**Wall 5:** 8 x  $\varnothing$  7-12 mm, 8 x  $\varnothing$  7-14 mm, 4 x  $\varnothing$  11-20 mm, 1 x  $\varnothing$  16-29 mm



**Wall 6:** 8 x  $\varnothing$  7-12 mm, 8 x  $\varnothing$  7-14 mm, 4 x  $\varnothing$  11-20 mm, 1 x  $\varnothing$  16-29 mm, 8 x M 20

## KV »Extra« Circuit breaker boxes

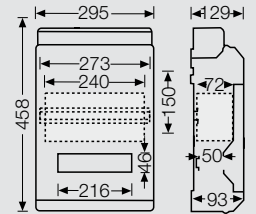
with additional space for electrical devices not to be manually actuated  
cable/conduit entry via metric knockouts

- for the installation of DIN rail equipment, top hat profile 35 mm
- for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- **without PE and N terminal**
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



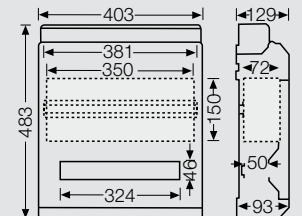
**KV 9220 M IP 65**

**12 modules 1 x 12 x 18 mm**  
**+ 1 DIN rail 273 mm wide**  
1-row



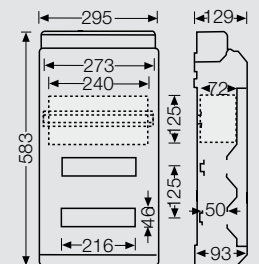
**KV 9230 M IP 65**

**18 modules 1 x 18 x 18 mm**  
**+ 1 DIN rail 381 mm wide**  
1-row



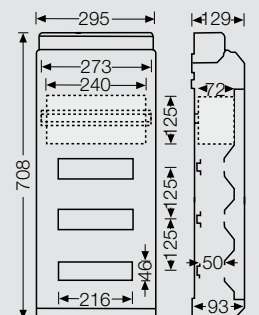
**KV 9330 M IP 65**

**24 modules 2 x 12 x 18 mm**  
**+ 1 DIN rail 273 mm wide**  
2-row



**KV 9440 M IP 65**

**36 modules 3 x 12 x 18 mm**  
**+ 1 DIN rail 273 mm wide**  
3-row



**Box walls with metric knock outs:**



**Wall 9:** 4 x M 20, 2 x M 20/25, 1 x M 32



**Wall 10:** 12 x M 20, 2 x M 20/25, 1 x M 32

## KV »Extra« Circuit breaker boxes

with additional space for electrical devices not to be manually actuated  
cable/conduit entry via metric knockouts

Service

DK

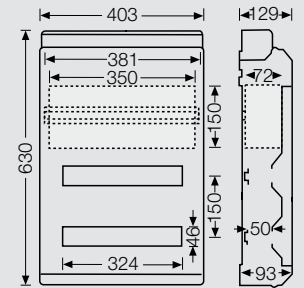
KV

- for the installation of DIN rail equipment, top hat profile 35 mm
- for DIN rail equipment and terminal blocks with max. mounting depth 72 mm
- **without PE and N terminal**
- with cable entry cover
- with transparent door
- with blanking strips for unused DIN rail openings
- material thermoplastic
- colour grey, RAL 7035
- rated insulation voltage AC 400 V



**KV 9350 M IP 65**

**36 modules 2 x 18 x 18 mm**  
**+ 1 DIN rail 381 mm wide**  
2-row



### Box walls with metric knock outs:



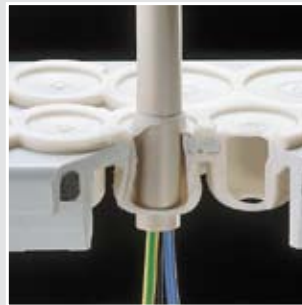
**Wall 9:** 4 x M 20, 2 x M 20/25, 1 x M 32



**Wall 10:** 12 x M 20, 2 x M 20/25, 1 x M 32



KG empty boxes:  
 Cable entry via metric knock outs.



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



Burning behaviour:  
 Glow wire test according to IEC 60 695-2-1: 750 °C,  
 flame-retardant,  
 self-extinguishing



Screws made of stainless steel V2A.

## KV Small-type distribution boards Empty boxes

Service

DK

KV

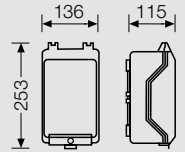


- sealable
- fastener for tool operation

- material thermoplastic
- colour grey, RAL 7035

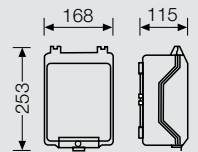
### KG 9001 IP 55 (ESM), IP 65 (refer to index LES)

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



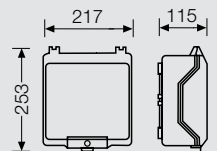
### KG 9002 IP 55 (ESM), IP 65 (refer to index LES)

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



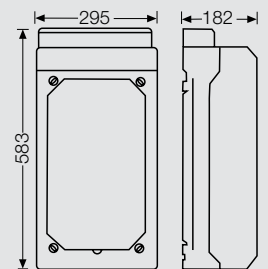
### KG 9003 IP 55 (ESM), IP 65 (refer to index LES)

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

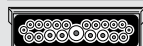


### KV 9331 IP 65

with transparent lid  
for installation of devices via installed mounting plate  
max. installation depth 160 mm  
**cable entry via integrated elastic membranes**  
with cable entry cover



#### Box walls with membranes for cable entry:



**Wall 5:** 8 x Ø 7-12 mm, 8 x Ø 7-14 mm, 4 x Ø 11-20 mm,  
1 x Ø 16-29 mm



**Wall 7:** 2 x M 20, 2 x M 25, 1 x M 32/40



**Wall 8:** 4 x M 20, 2 x M 25/32, 1 x M 32/40



**Wall 9:** 6 x M 20, 2 x M 25/32, 1 x M 32/40



**Wall 10:** for 2 x AVS 16/EVS 16





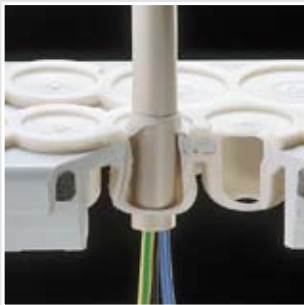
**KV Small-type distribution boards**  
**KWH Meter Boxes**  
cable entry via integrated elastic membranes



Service

DK

KV



Cable entry with integrated elastic sealing membranes



Screws made of stainless steel V2A.



Sealable



Burning behaviour:  
Glow wire test according to  
IEC 60 695-2-1: 750 °C,  
flame-retardant,



# KV Small-type distribution boards

## KWH Meter Boxes

### cable entry via integrated elastic membranes

- with KWH meter fastening plate and meter fastening screws
- with cable entry cover
- with transparent lid
- fasteners for tool operation
- sealable
- material thermoplastic
- colour grey, RAL 7035

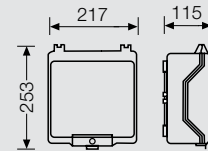


**KG 9013 IP 65**

**new**

9
10 10
9

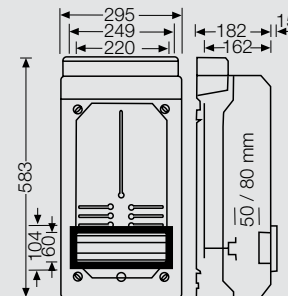
**with transparent hinged lid**  
for installation equipment on DIN rails and electronic meters, top hat profile 35 mm  
lid and cover sealable  
**cable entry via metric knockouts**



**KV 9337 IP 65**

5
5

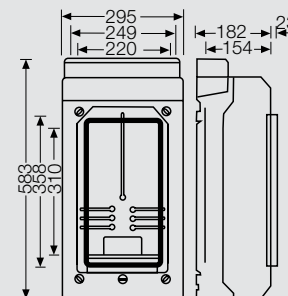
**with hinged flap and protection cover for 12 modules (12 x 18 mm)**  
max. installation depth 162 mm  
with DIN-rail belonging to it



**KV 9338 IP 54**

5
5

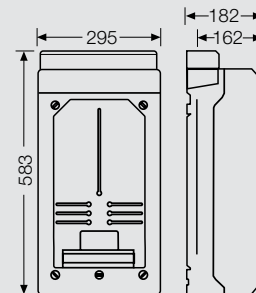
**with KWH meter window flap, sealable**  
for tool or manual operation  
for maximum KWH meters, time switches etc.  
for padlock (clip Ø max. 6 mm)  
standard opening dimensions 140 x 310 mm  
max. installation depth 154 mm  
with additional DIN rail



**KV 9339 IP 65**

5
5

max. installation depth 162 mm  
with additional DIN rail



KV Meter box with built-in electronic KWH meter (eHZ)



**Box walls with membranes for cable entry:**



**Wall 5:** 8 x ø 7-12 mm, 8 x ø 7-14 mm, 4 x ø 11-20 mm, 1 x ø 16-29 mm



**Wall 9:** 6 x M 20, 2 x M 25/32, 1 x M 32/40



**Wall 10:** for 2 x AVS 16/EVS 16



Connecting glands, mounting plates,	
DIN rails	148
PE+N terminals FIXCONNECT plug-in technology	149
PE+N screw-type terminals	150-151
Cable entry covers	151
Locking device, lead sealing	152


**EVS 16 press-in connecting glands**

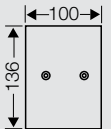
degree of protection IP 54  
for lateral box assembly of KV and KG boxes  
for  $\varnothing$  to 19 mm


**AVS 16 threaded connecting glands**

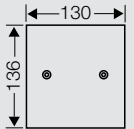
degree of protection IP 65  
for lateral box assembly of KV and KG boxes  
for  $\varnothing$  to 15 mm


**KG MP 01 mounting plate for KG 9001**

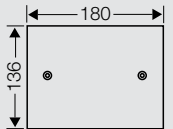
insulated material  
material thickness 4 mm  
with fixing screws


**KG MP 02 mounting plate for KG 9002**

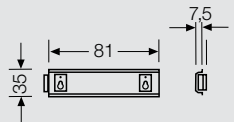
insulated material  
material thickness 4 mm  
with fixing screws


**KG MP 03 mounting plate for KG 9003**

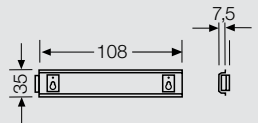
insulated material  
material thickness 4 mm  
with fixing screws


**KG TS 01 DIN rail for KG 9001**

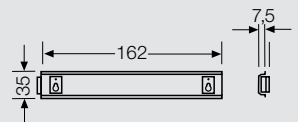
according to EN 50 022  
for equipment or terminals with clip-on mounting  
with fixing screws


**KG TS 02 DIN rail for KG 9002**

according to EN 50 022  
for equipment or terminals with clip-on mounting  
with fixing screws


**KG TS 03 DIN rail for KG 9003**

according to EN 50 022  
for equipment or terminals with clip-on mounting  
with fixing screws





**KV FC 03** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 3 modules  
PE+N 1 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu



**KV FC 04** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 4.5 modules  
PE+N 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu



**KV FC 06** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 6 modules  
PE+N 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu



**KV FC 09** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 9 modules  
PE+N 2 x 25 mm<sup>2</sup>, 8 x 4 mm<sup>2</sup>, Cu



**KV FC 12** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 12 modules per row and KV empty boxes  
PE+N 3 x 25 mm<sup>2</sup>, 12 x 4 mm<sup>2</sup>, Cu



**KV FC 18** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 18 modules per row  
PE+N 4 x 25 mm<sup>2</sup>, 16 x 4 mm<sup>2</sup>, Cu



**KV FC 24** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 12 modules per row and KV empty boxes  
PE+N 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup>, Cu



**KV FC 36** PE and N terminal

**FIXCONNECT® plug-in technology**  
for small-type distribution boards with 18 modules per row  
PE+N 8 x 25 mm<sup>2</sup>, 32 x 4 mm<sup>2</sup>, Cu


**KV NP 03 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 3 modules**  
 PE+N: 1 x 25 mm<sup>2</sup>, 3 x 4 mm<sup>2</sup>, Cu


**KV NP 04 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 4.5 modules**  
 PE+N: 2 x 25 mm<sup>2</sup>, 3 x 4 mm<sup>2</sup>, Cu


**KV NP 06 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 6 modules**  
 PE+N: 2 x 25 mm<sup>2</sup>, 4 x 4 mm<sup>2</sup>, Cu


**KV NP 09 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 9 modules**  
 PE+N: 2 x 25 mm<sup>2</sup>, 6 x 4 mm<sup>2</sup>, Cu


**KV NP 12 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 12-54 modules and KV empty boxes**  
 PE+N: 2 x 25 mm<sup>2</sup>, 10 x 4 mm<sup>2</sup>, Cu


**KV NP 20 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 12-54 modules and KV empty boxes**  
 PE+N: 4 x 25 mm<sup>2</sup>, 16 x 4 mm<sup>2</sup>, Cu


**KV NP 25 PE and N terminal**

**screw-type terminal**  
**for small-type distribution boards with 12-54 modules and KV empty boxes**  
 PE+N: 5 x 25 mm<sup>2</sup>, 20 x 4 mm<sup>2</sup>, Cu


**KV NP 16 PE and N terminal**

**screw-type terminal**  
**for retrofitting in KV-Small-type distribution boards KV 01.. / KV 02..**  
 PE+N: 16 x 16 mm<sup>2</sup>, Cu


**KV NP 32 PE and N terminal**

**screw-type terminal**  
**for retrofitting in KV-Small-type distribution boards KV 01.. / KV 02..**  
 PE+N: 32 x 16 mm<sup>2</sup>, Cu


**KG PN 01 PE and N terminal**

**screw-type terminal**  
**for KG 9001**  
 PE+N: 3 x 25 mm<sup>2</sup>, 3 x 4 mm<sup>2</sup>, Cu


**KG PN 02 PE and N terminal**

**screw-type terminal**  
**for KG 9002**  
 PE+N: 3 x 25 mm<sup>2</sup>, 5 x 4 mm<sup>2</sup>, Cu


**KG PN 03 PE and N terminal**

**screw-type terminal**  
**for KG 9003**  
 PE+N: 4 x 25 mm<sup>2</sup>, 7 x 4 mm<sup>2</sup>, Cu



**FC BS 5** **FIXCONNECT labelling system**

Labelling system for FIXCONNECT plug-in terminals, not for plug-in terminals 2x25 + 4x4 mm<sup>2</sup> for attaching of labelling strips or marking with felt tip pen  
set with 5 pieces



**FC BS 6** **FIXCONNECT labelling system**

Labelling system for FIXCONNECT plug-in terminals, 2x25 + 4x4 mm<sup>2</sup> for attaching of labelling strips or marking with felt tip pen  
set with 5 pieces



**KV EB 03** **cable entry cover**

**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**

**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**

**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**

**for small-type distribution boards with 9 modules**

for KV 9325, KV 9363  
for replacement purposes (1 cable entry cover included with supply of the board)



**KV EB 12** **cable entry cover**

**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**

**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**

**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**  
with profile cylinder lock  
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**  
with profile cylinder lock  
with 2 keys


**KV PL 2 lead sealing**

**for small-type distribution boards 12 - 54 modules**  
for sealing between top and bottom of board  
(doors can also be sealed without additional part)


**KV PL 3 lead sealing**

**for small-type distribution boards 3 - 9 modules**  
for sealing between top and bottom of board  
(doors can also be sealed without additional part)

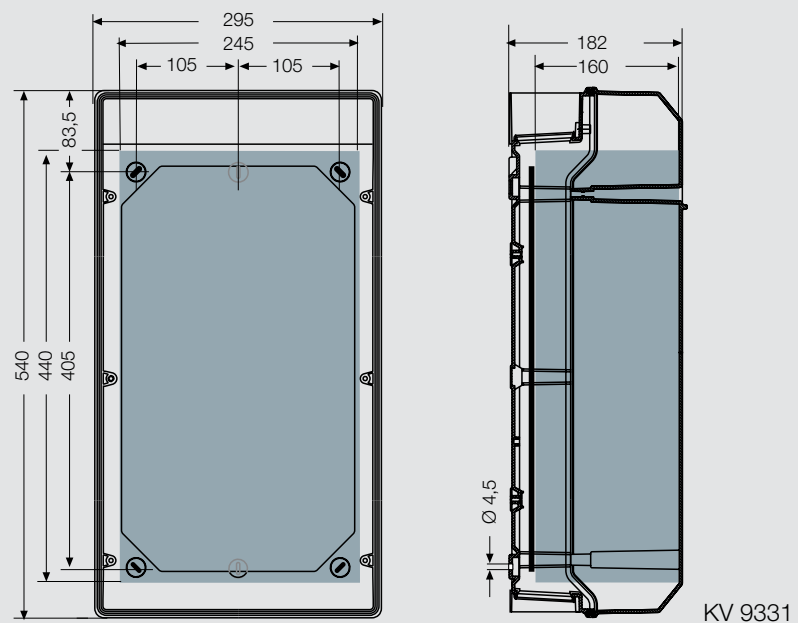
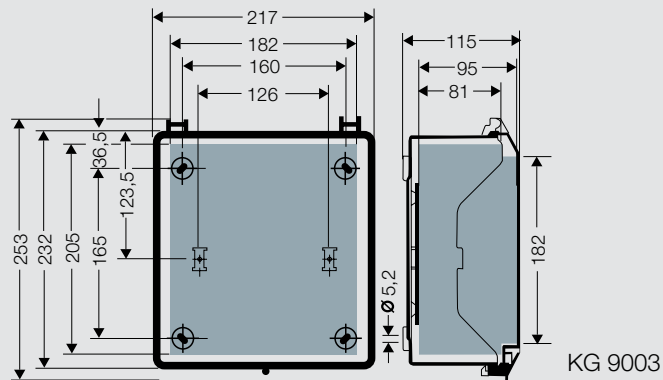
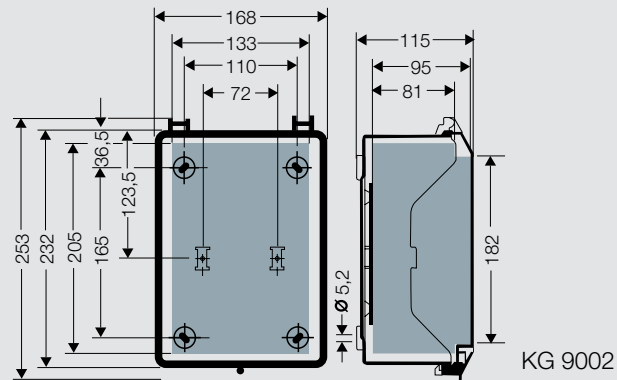
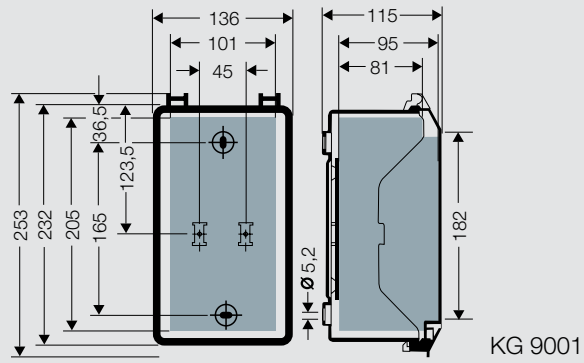




Detail dimensions in mm	154
Mounting dimensions in mm	155
Box assembly	156
Terminals	157-158
Standards	159
Operating and ambient conditions	160

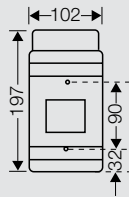
### Detail dimensions in mm

= usable installation space when cable glands are attached

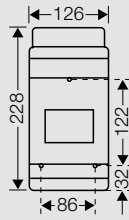


### Mounting dimensions in mm

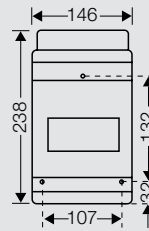
KV Circuit breaker boxes  
3 modules



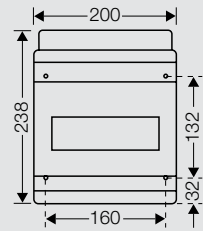
KV Circuit breaker boxes  
4.5 modules



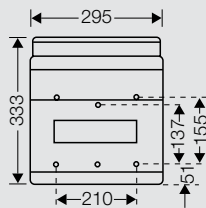
KV Circuit breaker boxes  
6 modules



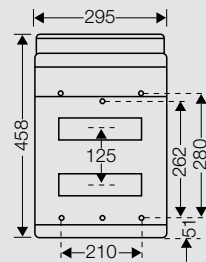
KV Circuit breaker boxes  
9 modules



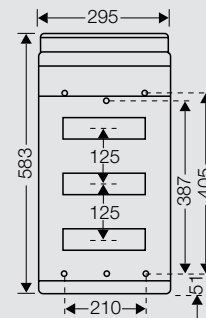
KV Circuit breaker boxes  
12 modules



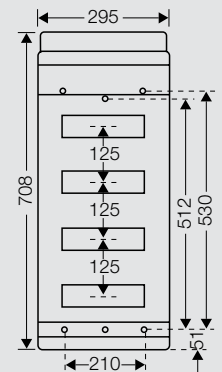
KV Circuit breaker boxes  
2 x 12 modules



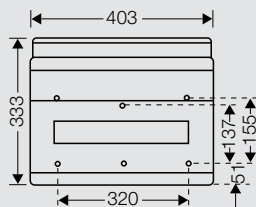
KV Circuit breaker boxes  
3 x 12 modules



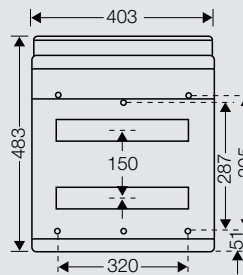
KV Circuit breaker boxes  
4 x 12 modules



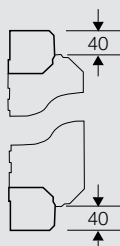
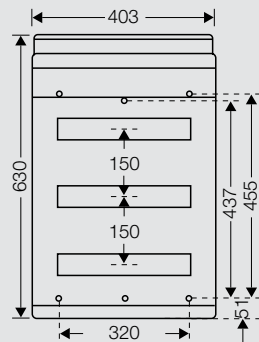
KV Circuit breaker boxes  
18 modules



KV Circuit breaker boxes  
2 x 18 modules



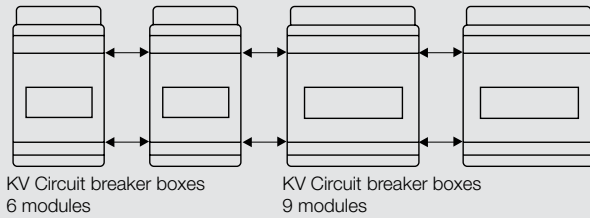
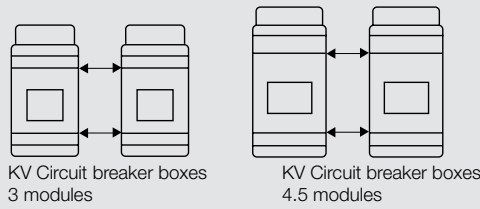
KV Circuit breaker boxes  
3 x 18 modules



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

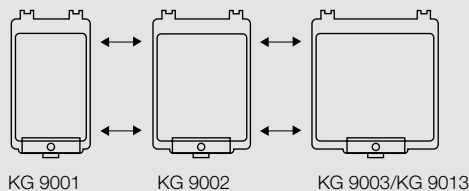
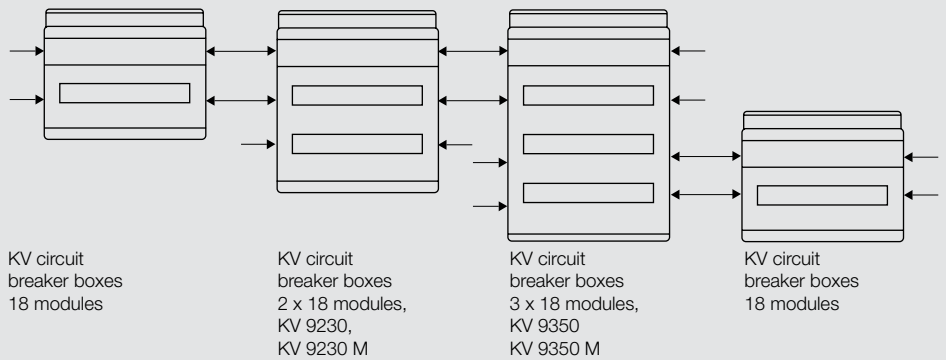
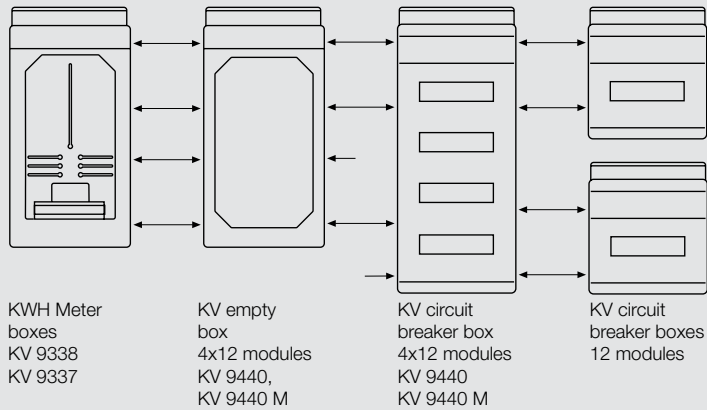
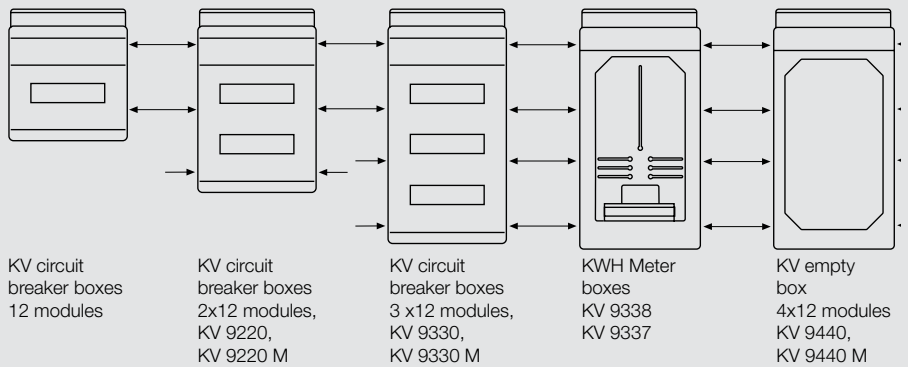
**KV Circuit breaker boxes can be assembled laterally as shown below:**

- 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 / 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

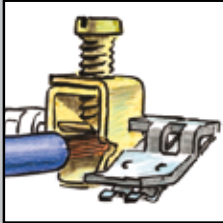


#### PE and N FIXCONNECT® terminal

Rated connecting capacity of PE and N terminals

#### Clamping unit

screw-type terminal  
25 mm<sup>2</sup>



plug-in terminal  
4 mm<sup>2</sup>



corresponding cross-sections/copper			
max. number	from - to max.	max. number	from - to max.
1	25 mm <sup>2</sup> , s	1	25 mm <sup>2</sup> , f
1	16 mm <sup>2</sup> , s	1	16 mm <sup>2</sup> , f
1	10 mm <sup>2</sup> , sol	1	10 mm <sup>2</sup> , f
3	6 mm <sup>2</sup> , sol	1	6 mm <sup>2</sup> , f
3	4 mm <sup>2</sup> , sol	1	4 mm <sup>2</sup> , f
4	2.5 mm <sup>2</sup> , sol	1	2.5 mm <sup>2</sup> , f
4	1.5 mm <sup>2</sup> , sol	1	1.5 mm <sup>2</sup> , f
Tested as connecting terminal for several conductors of the same cross-sections for using in one circuit			
1	1.5 - 4 mm <sup>2</sup> , sol	1	1.5 - 4 mm <sup>2</sup> , f
Without end ferrule; clamping unit has to be opened with a tool when conductor is inserted.			

### Terminal equipment and number of conductors to be connected

#### PE terminal

number of modules	PE terminal	
	up to 4 mm <sup>2</sup>	up to 25 mm <sup>2</sup>
3	4x4 mm <sup>2</sup>	1x25 mm <sup>2</sup>
4,5 6	4x4 mm <sup>2</sup>	2x25 mm <sup>2</sup>
9	8x4 mm <sup>2</sup>	2x25 mm <sup>2</sup>
12	12x4 mm <sup>2</sup>	2x25 mm <sup>2</sup>
18	16x4 mm <sup>2</sup>	4x25 mm <sup>2</sup>
24 36 (3-row) 48	24x4 mm <sup>2</sup>	6x25 mm <sup>2</sup>
36 (2-row) 54	32x4 mm <sup>2</sup>	8x25 mm <sup>2</sup>

#### N terminal

number of modules	N terminal	
	up to 4 mm <sup>2</sup>	up to 25 mm <sup>2</sup> plug-in jumper
3	4x4 mm <sup>2</sup>	1x25 mm <sup>2</sup>
4,5 6	4x4 mm <sup>2</sup>	2x25 mm <sup>2</sup>
9	8x4 mm <sup>2</sup>	2x25 mm <sup>2</sup>
12	12x4 mm <sup>2</sup>	3x25 mm <sup>2</sup>
18	16x4 mm <sup>2</sup>	4x25 mm <sup>2</sup>
24 36 (3-row) 48	24x4 mm <sup>2</sup>	6x25 mm <sup>2</sup>
36 (2-row) 54	32x4 mm <sup>2</sup>	8x25 mm <sup>2</sup>

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

- IEC 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 for screw-type and screwless-type clamping units for electrical copper conductors
- EN 60 529  
Degrees of protection provided by enclosures (IP-Code)

Operating and ambient conditions	KV Small-type distribution boards		Cable entry systems	
	KV Small-type distribution boards	Empty boxes	ESM ..., EVS 16	AVS 16
<b>Application area</b>	<b>IP 54/65 design:</b> Suitable for indoor installation - normal environment and/or protected outdoor -			
	<b>Resistant to occasional cleaning procedures (direct jet)</b> max. with high-pressure cleaner without additives water pressure: max. 65 bar, water temperature: max. 50° C, distance ≥ 0.5 m <b>box and cable entries at least IP 65</b>			
<b>Ambient temperature</b> - Average value over 24 hours - Maximum value - Minimum value	+ 35° C + 40° C - 25° C	- + 60° C - 40° C	+ 35° C + 40° C - 25° C	+ 55° C + 70° C - 40° C
<b>Relative humidity</b> - short-time	50% at 40° C 100% at 25° C	- -	- -	- -
<b>Fire protection</b> in the case of internal faults	<b>Demands</b> placed on electrical devices from standards and laws governing operational equipment  <b>Minimum requirements</b> - 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			
<b>Burning behaviour</b> - Glow wire test IEC 60 695-2-11 - UL Subject 94	750° C V-2 flame-retardant self-extinguishing	750° C V-2 flame-retardant self-extinguishing	750° C - flame-retardant self-extinguishing	750° C V-2 flame-retardant self-extinguishing
<b>Degree of protection against mechanical load</b>	IK08 (5 Joule)	IK08 (5 Joule)	-	-
<b>Toxic behaviour</b>	halogen-free silicone-free		halogen-free silicone-free	halogen-free silicone-free
	<b>"Halogen-free" in accordance with IEC 754-2 "Common test methods for cables - Determination of the amount of halogen acid gas".</b>			
	<b>To material properties see technical data.</b>			