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Compact power blocks Viking 3

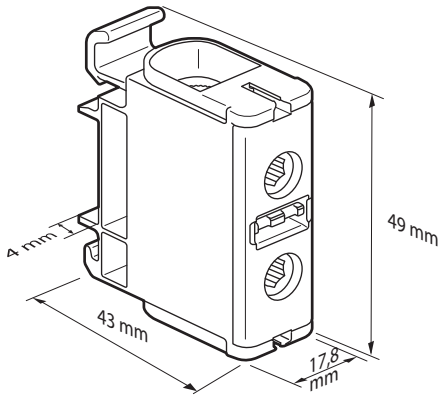
Cat.Nos: 0 301 15 - 0 301 16 - 0 301 17 - 0 301 18 - 0 301 19
0 301 20 - 0 301 21 - 0 301 22 - 0 301 23 - 0 301 24 - 0 301 25
0 301 26 - 0 301 27- 0 301 28 - 0 301 29 - 0 301 30

1. TECHNICAL FEATURES

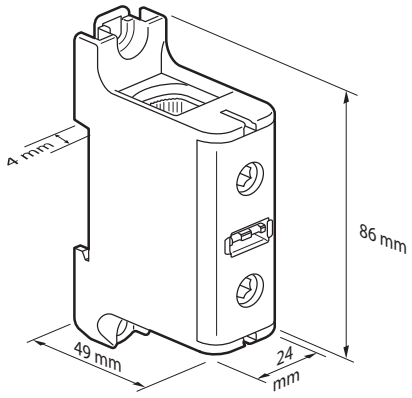
Compact power blocks are used to connect copper or aluminium cables from 2,5 mm² to 240 mm² cross-sections, for intensities from 45 A to 425 A. The power blocks are available in 4 sizes and in 3 colors per size: grey, blue, green-yellow.

■ 1.1 Dimensions

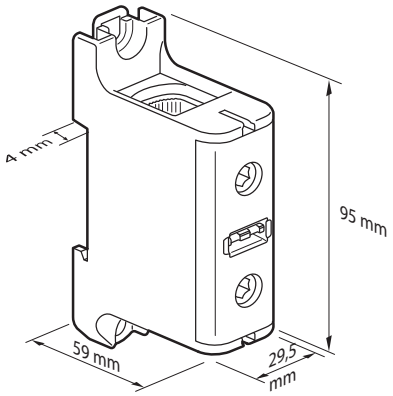
Cat.Nos: 0 301 15 | 0 301 16 | 0 301 17



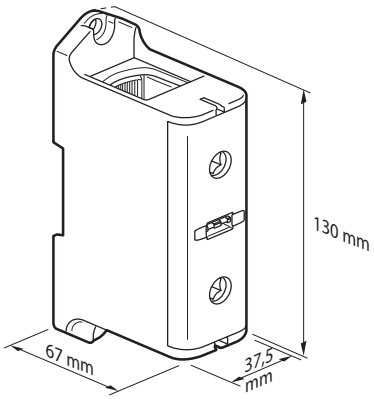
Cat.Nos: 0 301 18 | 0 301 19 | 0 301 20



Cat.Nos: 0 301 21 | 0 301 22 | 0 301 23



Cat.Nos: 0 301 24 | 0 301 25 | 0 301 26



■ 1.2 Components

The power blocks are halogen free.
The case and the cover are made with PA66 and the body and the screws with tinned aluminium.

1. TECHNICAL FEATURES (CONTINUED)

■ 1.3 Connection capacities

The connection cross-sections are writen on the power blocks covers to have access to the information, even when the power blocks are installed.

Power blocks Cat.Nos	Colors	Copper cables cross-sections	Aluminium cables cross-sections
0 301 15 **0 301 16** **0 301 17**	Grey Blue Green-yellow	2,5 - 50 mm²	6 - 50 mm²
0 301 18 **0 301 19** **0 301 20**	Grey Blue Green-yellow	16 - 95 mm²	16 - 95 mm²
0 301 21 **0 301 22** **0 301 23**	Grey Blue Green-yellow	35 - 150 mm²	35 - 150 mm²
0 301 24 **0 301 25** **0 301 26**	Grey Blue Green-yellow	35 - 240 mm²	35 - 240 mm²

■ 1.4 Wire stripping length

Power blocks Cat.Nos	Wire stripping length
0 301 15 **0 301 16** **0 301 17**	23 mm
0 301 18 **0 301 19** **0 301 20**	25 mm
0 301 21 **0 301 22** **0 301 23**	30 mm
0 301 24 **0 301 25** **0 301 26**	43 mm

■ 1.5 Conditions of use

Use temperature: -5 °C to 80 °C
Storage temperature: -25 °C to 55 °C
Pollution degree: 3

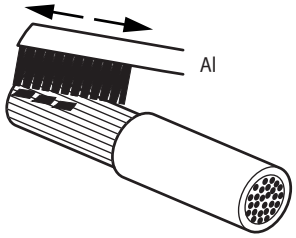
■ 1.6 Rating current and nominal insulation voltage

Power blocks Cat.Nos	Rating current		Insulation voltage	
	Copper	Aluminium	Copper	Aluminium
0 301 15 **0 301 16** **0 301 17**	160 A	145 A	800 V	
0 301 18 **0 301 19** **0 301 20**	245 A	220 A		
0 301 21 **0 301 22** **0 301 23**	320 A	290 A		
0 301 24 **0 301 25** **0 301 26**	425 A	380 A		

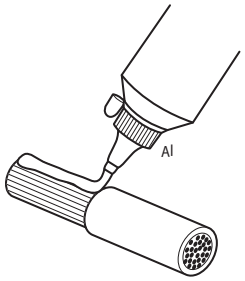
2. ASSEMBLY

■ 2.1 Recommendations for aluminium cables preparation

Remove the oxydant layer.



Apply a grease for electric contact.



■ 2.2 Tools and tightening torques

The tightening torques are written on the power blocks covers in order to have access to the information, even when the power blocks are installed.

Hollow hexagonal screw head.

Power blocks Cat.Nos	Wrench width	Wrench depth	Tightening torques in Nm
0 301 15 **0 301 16** **0 301 17**	5 mm	20 mm	4 (2,5 - 4 mm²) 12 (6 - 50 mm²)
0 301 18 **0 301 19** **0 301 20**	5 mm	25 mm	20
0 301 21 **0 301 22** **0 301 23**	8 mm	34 mm	20 (35 - 95 mm²) 30 (120 - 150 mm²)
0 301 24 **0 301 25** **0 301 26**	8 mm	38 mm	12 (35 - 70 mm²) 45 (95 - 240 mm²)

3. MOUNTING

2 mounting modes are possible depending on the power block.

Power blocks Cat.Nos	Symmetric DIN rail mounting ⎍ EN60715 depth 7.5 mm by clipping (claws)	Screw fixing on perforated or solid plate
0 301 15 **0 301 16** **0 301 17**	X	-
0 301 18 **0 301 19** **0 301 20**	X	Ø mounting hole: 5,5 mm
0 301 21 **0 301 22** **0 301 23**	X	Ø mounting hole: 5,5 mm
0 301 24 **0 301 25** **0 301 26**	-	Ø mounting hole: 6,5 mm

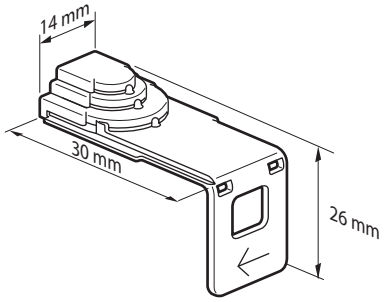
4. ACCESSORIES

■ 4.1 Protective cover

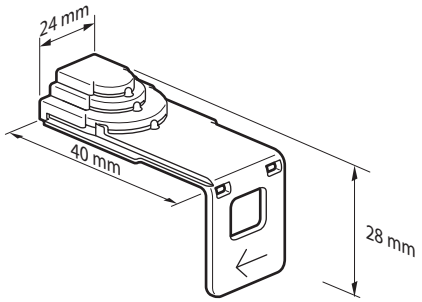
The protective covers reinforce the security. It is recommended to use protective covers at cables entry when using cables smaller than the maximum size allowed by the block, or when there is no cable.

Dimensions

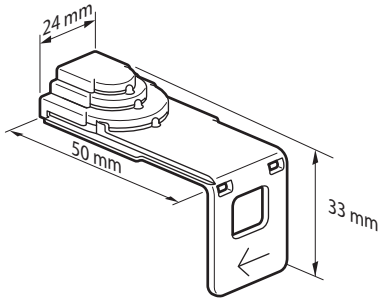
Cat.No 0 301 27
H 30 mm x W 14 mm x D 26 mm



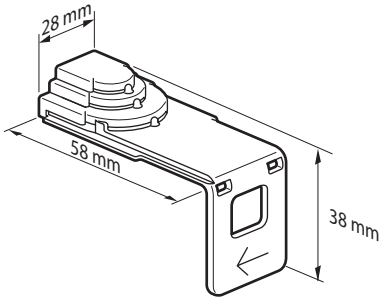
Cat.No 0 301 28
H 40 mm x W 20 mm x D 28 mm



Cat.No 0 301 29
H 50 mm x W 24 mm x D 33 mm



Cat.No 0 301 30
H 58 mm x W 28 mm x D 38 mm



Blocks and cover compatibility

Power blocks Cat.Nos	Protective covers Cat.Nos
0 301 15 **0 301 16** **0 301 17**	0 301 27
0 301 18 **0 301 19** **0 301 20**	0 301 28
0 301 21 **0 301 22** **0 301 23**	0 301 29
0 301 24 **0 301 25** **0 301 26**	0 301 30

Precuts sizes

The protective covers have secable precuts

Protective covers Cat.Nos	Precuts sizes
0 301 27	8 mm 10 mm
0 301 28	8 mm 11 mm 16 mm
0 301 29	11 mm 16 mm 20 mm
0 301 30	14 mm 20 mm 24,5 mm

4.2 Markings

The power blocks have a marking zone to mount the following markers:

Designation	Cat.Nos	Dimensions	Maximum per block
Marker CAB 3 (numbers)	0 382 10 to 0 382 19	0,5 - 1,5 mm²	4
Marker CAB 3 (letters)	0 383 00 to 0 383 25		
Marker CAB 3 (conventionnal signs)	0 382 70 to 0 382 76		
Blank marker	0 395 01	6 mm	1

4.3 End caps

For aluminium cables, it is recommended to use end caps for installations with flexible conductors.

Power blocks Cat.Nos	End caps dimensions
0 301 15 **0 301 16** **0 301 17**	2.5 – 16 mm²
0 301 18 **0 301 19** **0 301 20**	16 – 35 mm²
0 301 21 **0 301 22** **0 301 23**	35 – 70 mm²
0 301 24 **0 301 25** **0 301 26**	35 – 120 mm²

5. STANDARDS AND CONFORMITY

The power blocks are conform to the following standards:

CE

- For copper conductors: EN 60947-7-1et EN 60947-7-2
- For aluminium conductors: EN 61238-1

- Conformity attestation to the 2011/65/UE directive of june 8th 2011, about the restriction of hazardous substances in the electric and electronic equipments (RoHS).