Viking™ 3 terminal blocks with spring connection

■ Characteristics

V2 polyamide according to UL 94, 960 °C according to IEC EN 60695-2-11
Insulating material for terminal blocks: polyamide - 30° C to + 100° C

Connecting blocks

Cat.Nos	Voltage (V)			Current (A)				Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 00	800	600	600	36	32	20	20	4	12	12
0 372 01										
0 372 02				48	41	30	30	6	10	10
0 372 03				63	57	50	50	10	8	8
0 372 04				85	76	60	60	16	6	6
0 372 07	500	300	300	36	32	20	20	4	10	10
0 372 08										
0 372 09	800	600	600			20	20		12	12
0 372 20										
0 372 21										
0 372 40										
0 372 41										
0 372 42										
0 372 43										
0 372 44										
0 372 46										
0 372 47										
0 372 60										
0 372 61										
0 372 62				48	41	30	30	6	10	10
0 372 63				63	57	50	50	10	8	8
0 372 64				85	76	60	60	16	6	6
0 372 67	500	300	300	36	32	20	20	4	12	12
0 372 68										
0 372 69	800	600	600			20	20		12	12

IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4

Blocks for protection conductor

Cat.Nos	Voltage (V)			Current (A)		Nominal cross- section		
	IEC	CSA	UL	Ie	IEC	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 10	800	600	600	-	-	4	12	12
0 372 11								
0 372 12								
0 372 70								
0 372 71								
0 372 72						6		
0 372 73[1]				63	57	10	8	8
0 372 74[1]				85	76	16	6	6
0 372 79				-	-	4	12	12

IEC 60947-7-2, CSA no. 22-2 no. 158, UL 1059
Ie: Rated current NF C 15100 table 52H, column 4
1: PEN terminal blocks

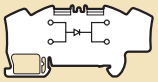
Function blocks

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 54	500	300	300	1	0.6	0.6	4	12	12
0 372 55									
0 372 56	12 to 24	12 to 24	12 to 24	-	-	-			

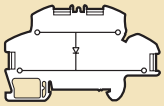
IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059

Schematic diagrams

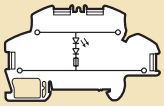
Cat.No 0 372 54



Cat.No 0 372 55



Cat.No 0 372 56



Diode for Cat.Nos 0 372 54/55
- 1N4007 type 1A
- direct current ⎓ 1 A
- peak inverse voltage 1000 V
- inverse current 5 µA at 25 °C

Approved by ATEX:
LCIE 07 ATEX 0010 U-0081 Ex II 1 or 2 G or D Ex e/i/tD/iD II

The terminal blocks with spring connection covered by this certificate are 1- and 2-level connecting terminal blocks, and blocks for protection conductor with metal base (detailed list on p. 906)
The main characteristics are:
Operating temperature: - 30 °C to + 55 °C
Maximum temperature of materials: + 85 °C

Working voltage acc. to EN 60079-7: 1-level terminal blocks: 500 V
2-level terminal blocks: 250 V

Rated current:

Conductor cross-section (mm²)	4	6	10	16
Rated current (A)	23	30	42	57

Attestation of conformity of component for the customer is available on request

Disconnect blocks

Cat.Nos	Voltage (V)			Current (A)			Nominal cross- section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
0 372 80	500	300	300	15	14	14	2.5	14	14
0 372 81 or 0 372 80 + 0 375 15	250	250	250	6.3	6.3	6.3			
0 372 82	500	300	300	15	14	14			
0 372 83									
0 372 84									
0 372 85									
0 372 86									

IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

Power according to IEC 60947-7-3

Cat.Nos	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
0 372 81 ou 0 372 80 + 0 375 15[1]	4 W / 6.3 A	1.6 W / 6.3 A	1.6 W / 6.3 A	-
	Pvk = 4.75 W	Pvk = 2 W	Pv = 1.65 W	-

(1): With or without blown fuse indicator Cat.No 375 25

Stripped lengths (mm)

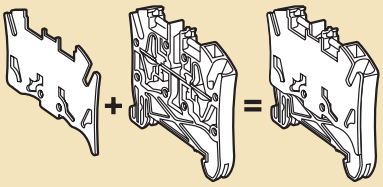
Spring terminal pitch (mm)	Rigid or flexible wire
5	8 to 12
6	
8	
10	8 to 13
12	8 to 15

Protection against fire and panic risks in public buildings/UTE C 12-201 guide

Art. EL 3, definitions: "Security installations are those that have to be put into or maintained in service to ensure the evacuation of the public or facilitate the intervention of the first-aid"
Art. EL 16, power supply circuits in security installations section 1a: "...the corresponding junction or deviation devices and their enclosures, except for the waterproofing systems, must satisfy the incandescent wire test defined in the standard in force, the temperature of the incandescent wire being 960 °C"
Viking 3 terminal blocks satisfy the incandescent wire test 960 °C according to standard IEC 60695-2-11

Blocks with 5 mm pitch/6 mm pitch

The active part of spring terminal blocks with 5 mm pitch is identical to that of blocks with 6 mm pitch. The absence of an end cap is the only difference between blocks with 5 mm pitch and blocks with 6 mm pitch



End cap + block with 5 mm pitch

Block with 6 mm pitch and built-in divider

Terminal blocks with 5 mm pitch are therefore 4 mm² nominal / 32 A blocks. Only a connection with end cap limits terminal blocks with 5 mm pitch to 2.5 mm² / 24 A:

	Rigid conductor	Flexible conductor	Flexible conductor with ferrule
Blocks with 5 mm pitch	6 mm² / 32 A	4 mm² / 32 A	2,5 mm² / 24 A
Blocks with 6 mm pitch			4 mm² / 32 A

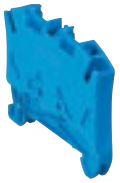
Spring terminal blocks with 5 mm pitch can therefore reduce the dimensions of 32 A terminal blocks connected with a rigid or flexible conductor without end cap

Dimensions see **e-catalogue**

Viking™ 3 terminal blocks with spring connection



0 372 60 + 0 372 00 + 0 372 20



0 372 01



0 372 21



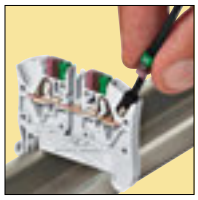
0 372 63



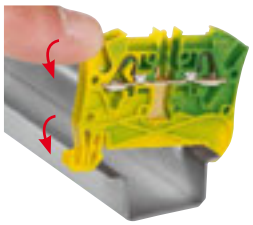
0 372 40



0 372 67



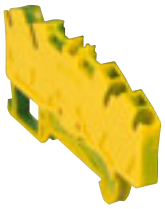
Automatic insertion of flexible wire with ferrule cap or rigid wire up to pitch of 6 mm



0 372 70
Automatic fixing on rail ⊔



0 372 72



0 372 79

Technical characteristics **p. 308** dimensions **see e-catalogue**
Approvals **p. 906**

Screwless connection system, stainless steel spring type
Used to make the electrical connection between 2 rigid copper wires, or flexible copper wires with or without ferrules (p. 312)
Direct tool-free insertion of a rigid wire or flexible wire with ferrule, up to 6 mm pitch
2 areas for automatic insertion bridging combs (upper level only for 2-level blocks)
For rails ⊔ depth 15 mm, ⊔ EN 60715 depth 7.5 mm and 15 mm

Connecting

Grey for standard circuit, blue for neutral conductor, orange for circuit not broken by the master isolating device

Pack	Cat.Nos	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
1 connection - 2 wires - 1 entry/1 outlet							
60	0 372 60	Grey					
60	0 372 00	Blue	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	0 372 20	Orange					
50	0 372 61[1]	Grey					
50	0 372 01[1]	Blue	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	0 372 21[1]	Orange					
50	0 372 62[1]	Grey	6	0.5 to 6	0.5 to 6	0.5 to 6	8
50	0 372 02[1]	Blue					
40	0 372 63[1]	Grey	10	0.75 to 10	0.75 to 10	0.75 to 10	10
40	0 372 03[1]	Blue					
10	0 372 64[1]	Grey	16	4 to 16	4 to 16	4 to 16	12
10	0 372 04[1]	Blue					
1 connection - 3 wires - 1 entry/2 outlets							
60	0 372 40	Grey					
60	0 372 41	Blue	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	0 372 42	Orange					
50	0 372 43[1]	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	0 372 44[1]	Blue					
1 connection - 4 wires - 2 entries/2 outlets							
60	0 372 46	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	0 372 47	Blue					
50	0 372 69[1]	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	0 372 09[1]	Blue					
2 connections - 4 wires - 2 levels							
60	0 372 67	Grey	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
60	0 372 07	Blue					
50	0 372 68[1]	Grey	4	0.5 to 6	0.5 to 4	0.5 to 4	6
50	0 372 08[1]	Blue					

For protection conductor

Metal base
Screwless fixing on rail
PEN from 10 mm²

Pack	Cat.Nos	Colour	Nominal cross-section (mm²)	Capacity: Rigid wire (mm²)	Capacity: Flexible wire (mm²)	Capacity: Flexible wire with ferrule (mm²)	Pitch (mm)
1 connection - 2 wires - 1 entry/1 outlet							
60	0 372 70	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
50	0 372 71[1]	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6
25	0 372 72[1]	Green/yellow	6	0.5 to 6	0.5 to 6	0.5 to 6	8
20	0 372 73[1]	Green/yellow	10	0.75 to 10	0.75 to 10	0.75 to 10	10
15	0 372 74[1]	Green/yellow	16	4 to 16	4 to 16	4 to 16	12
1 connection - 3 wires - 1 entry/2 outlets							
40	0 372 10	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
30	0 372 11[1]	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6
1 connection - 4 wires - 2 entries/2 outlets							
40	0 372 12	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 2.5	5
30	0 372 79[1]	Green/yellow	4	0.5 to 6	0.5 to 4	0.5 to 4	6

Starfix ferrules and crimping tools (p. 312)

CAB 3 marking system (p. 314)

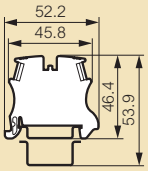
1: Built-in end cap

Viking™ 3 terminal blocks with screw connection

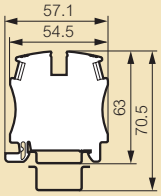
■ Dimensions (mm)

Connecting blocks

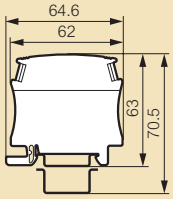
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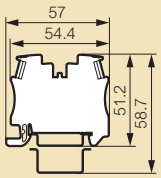
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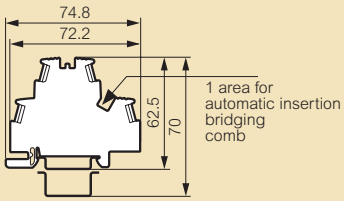
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Cat.Nos 0 371 09/69

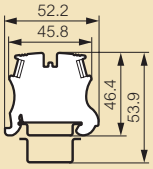


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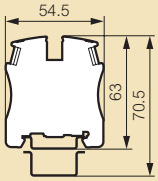


Blocks for protection conductor

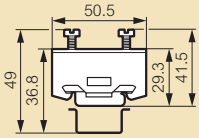
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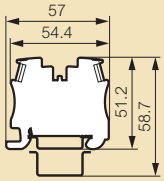
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Cat.No 0 371 76

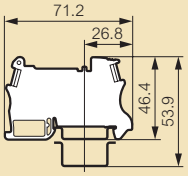


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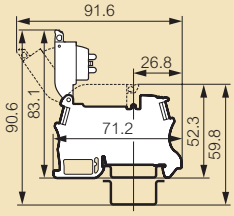


Disconnect terminal blocks

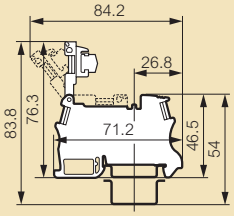
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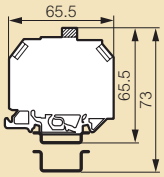
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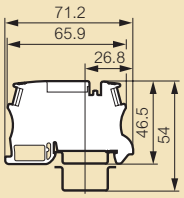


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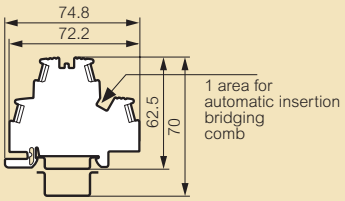


Function blocks

Cat.Nos 0 371 53/54

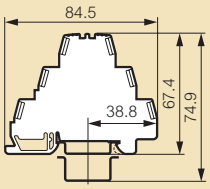


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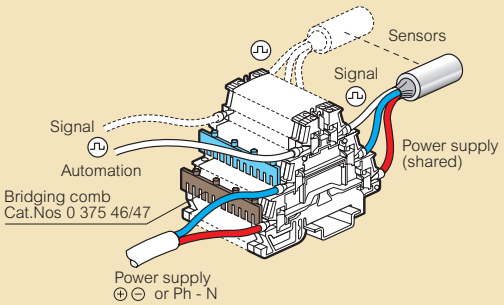
Blocks for sensors and actuators/PNE

Cat.Nos 0 371 51/52

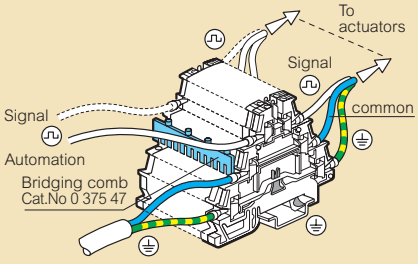


Wiring principle

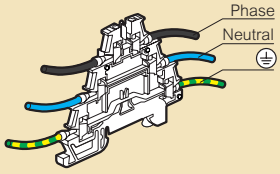
Block for sensor Cat.No 0 371 51



Block for actuator Cat.No 0 371 52

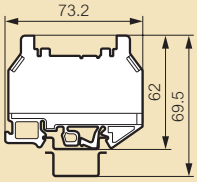


PNE block Cat.No 0 371 52



Disconnect block for measurement

Cat.No 0 371 92

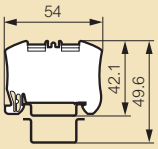


Viking™ 3 terminal blocks with spring connection

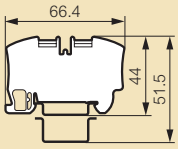
■ Dimensions (mm)

Connecting blocks

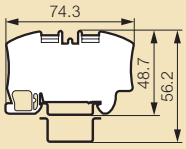
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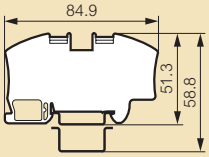
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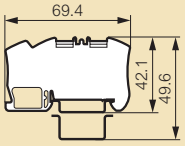
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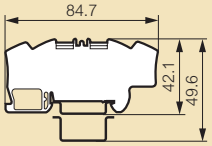
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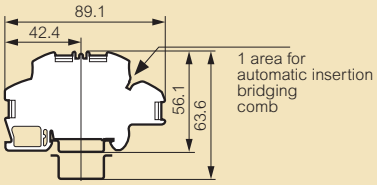
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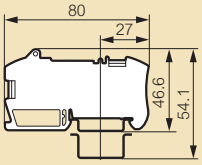


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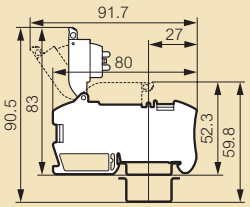


Disconnect blocks

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Cat.Nos 0 372 81/82/83/85



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