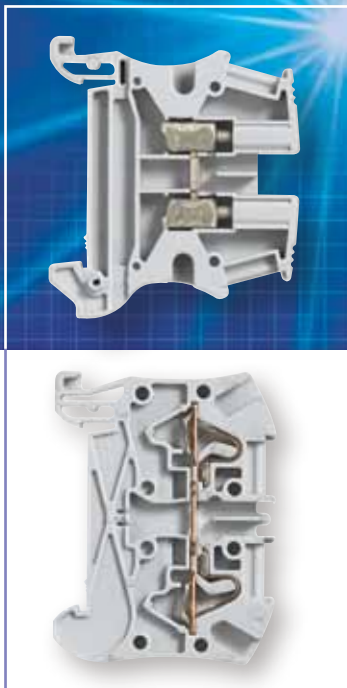


# New Viking™ 3, the innovation

Screw or automatic spring connection



A NEW RANGE,  
BORN OF RESEARCH & EXPERIENCE

 **legrand**®

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**F**or over 30 years, Legrand has produced Viking 3 screw terminal blocks in its Normandy factories for the whole world. Millions of wiring installers have used the different generations. They are constantly providing ideas for improvement which today make them a benchmark in the connection field.

Viking 3 terminal blocks are the core of a reliable and easy to use connection system, together with CAB 3 marking system and Starfix ferrules and crimping tools.



Viking 3 terminal blocks and their CAB 3 marking system

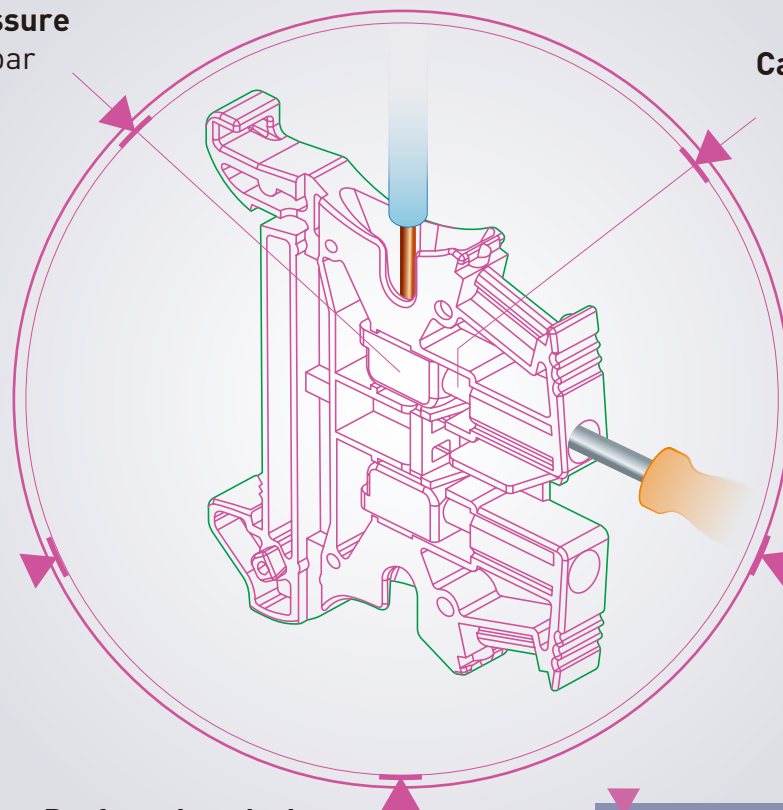
# Strength and security:

**High contact pressure**  
using the clamp/bar  
system

**Captive screw**

**Excellent mechanical strength**  
with a specially selected clamp  
made of surface-treated steel <sup>(1)</sup>

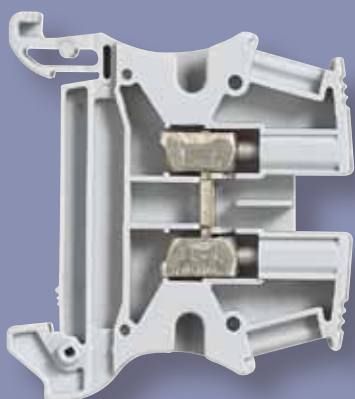
**Clamping tried and tested** for strength,  
pulling-out,  
destructive  
torque resistance  
and ageing



**Perfect electrical conduction** with the tinned  
brass bar <sup>(1)</sup>

**Permissible cross-sections:**  
0.25 mm<sup>2</sup> to 70 mm<sup>2</sup>  
(flexible wire) and 0.25 mm<sup>2</sup>  
to 95 mm<sup>2</sup> (rigid wire)

(1) Complies with RoHS (Restriction of Hazardous Substances) requirements



International approvals:  
UL/CSA/NF/VDE/IMQ/BV  
ATEX certification



Conforms to IEC EN 60947-7-1,  
IEC EN 60947-7-2 and IEC EN 60947-7-3

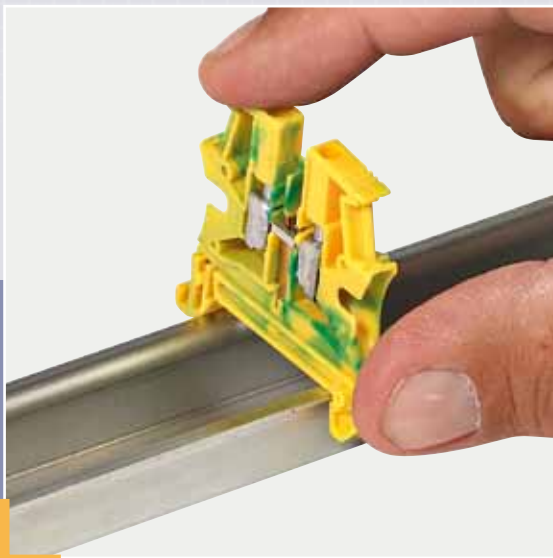
# screw connexion

## ► The other innovations

Optimized size, simplified fixing and standardized end caps systems bring comfort of use for the new Viking 3 range and make installation, connection and marking easier than ever.



Identical height for blocks of 16 mm<sup>2</sup> to 70 mm<sup>2</sup>



Direct screwless fixing on rail for protection conductor modules (for pitches of 5 to 10)



Single end caps for pitches of 5 to 10



# Reliability and time saving:

**No tool required for connection:**

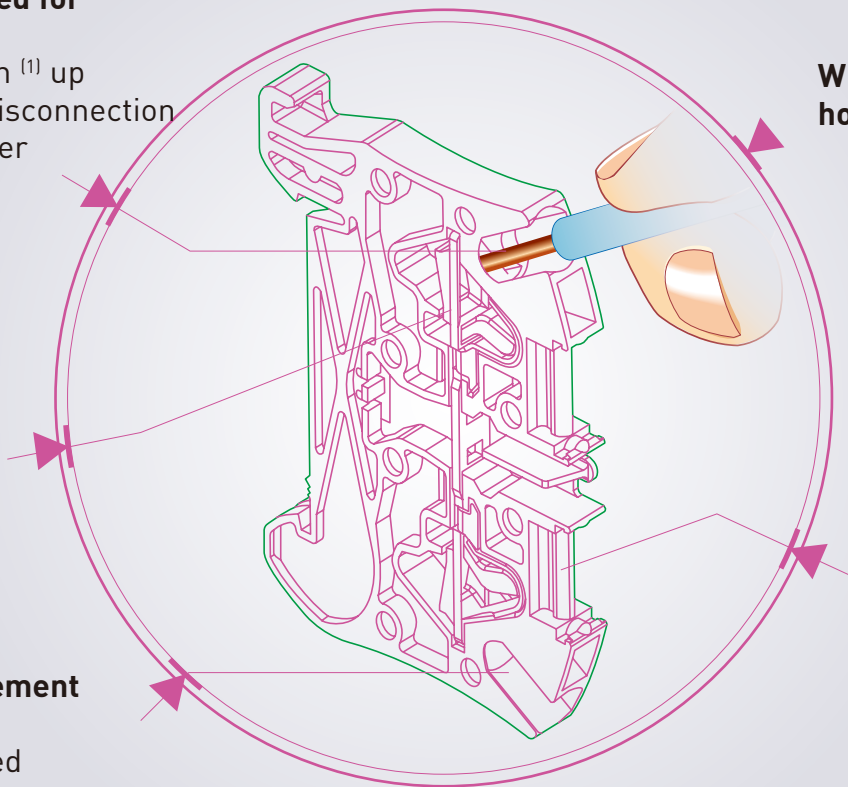
Direct insertion <sup>(1)</sup> up to pitch of 6. Disconnection with screwdriver

**Constant contact pressure**

**Better management of wires** with the inclined cable entries

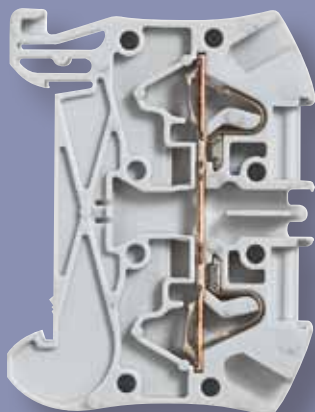
**With or without ferrule**

**Double central marking area**



**Permissible cross-sections:**  
0.5 mm<sup>2</sup> to 16 mm<sup>2</sup>

(1) For a flexible wire with no ferrule, the spring is opened using a screwdriver



International approvals:  
UL/CSA/NF/VDE/IMQ/BV  
ATEX certification



Conforms to IEC EN 60947-7-1,  
IEC EN 60947-7-2 and IEC EN 60947-7-3

# automatic spring connection

## ▶ The other innovations

Actively listening to installers has resulted in Legrand's Research & Development department creating an innovative new Viking 3 spring terminal block which, over and above connection quality, has many advantages.



Integrated end caps for pitches of 6 to 12

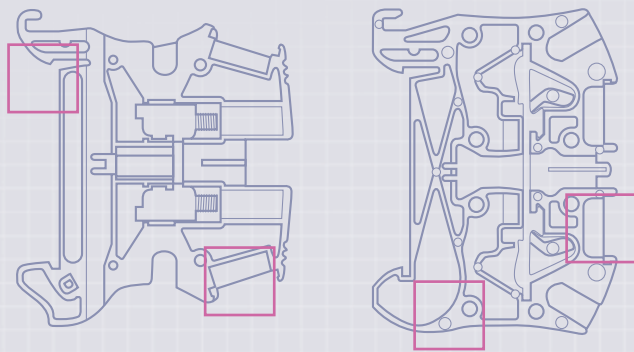


Bridging combs and markings are perfectly visible

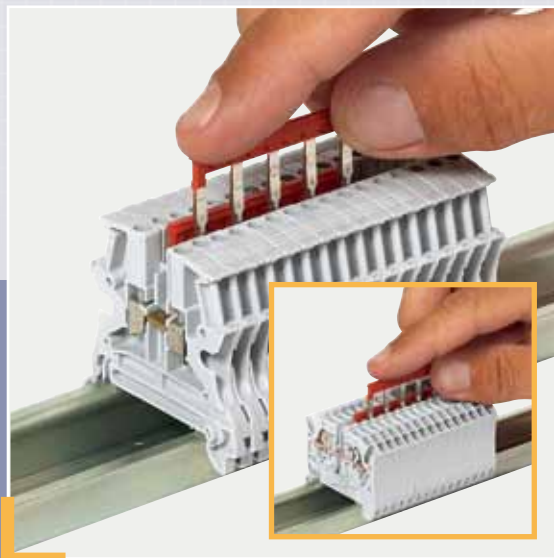


Optimized terminal block size. Identical electrical characteristics for blocks with a pitch of 5 and those with a pitch of 6 (one block gained every 5 blocks with a pitch of 5)

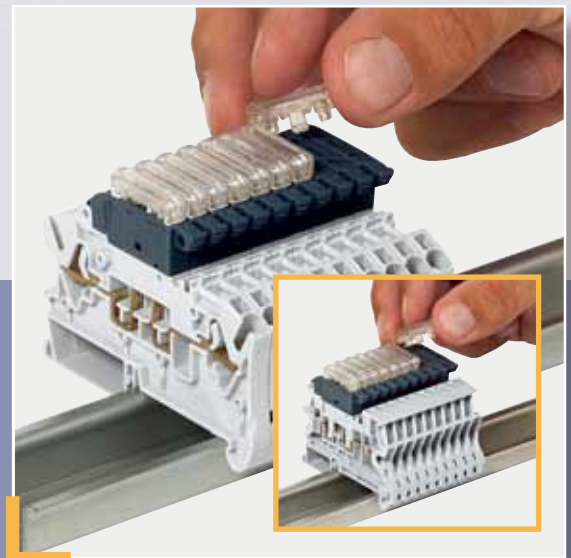
# Screw or automatic spring: more convenient wiring and easier use



End stop: screwless fixing



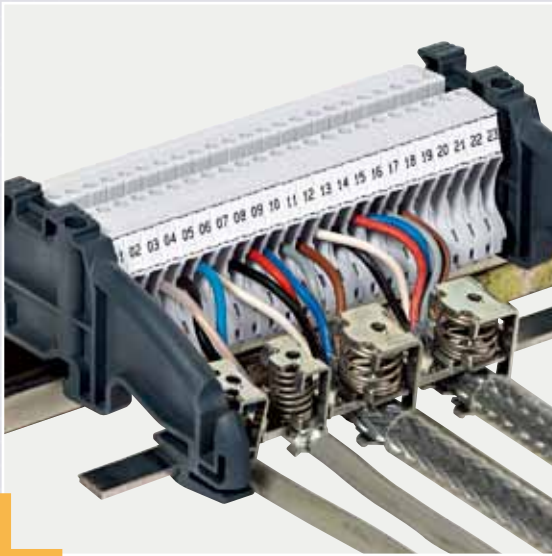
Automatic-insertion bridging comb up to pitch of 8, 2 areas allowing pitch jumps



Blown fuse indicator can be added at the last moment (12/48 V or 110/250 V)



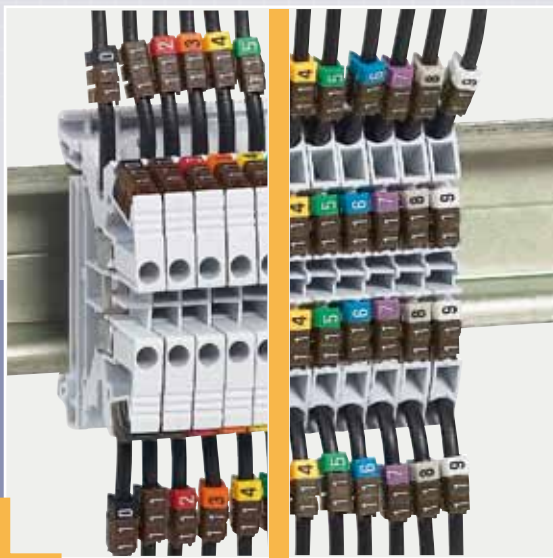
thanks to common accessories.



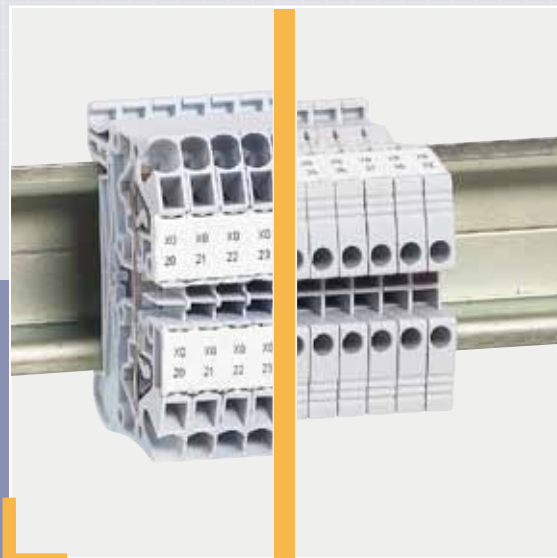
Managing cable shielding with dedicated accessories



Addition of functions on module for equipping: standard, neutral or protected isolation, mini-circuit-breaker, automotive-type fuse, etc.



Possibility of either manual marking (CAB 3)...



...and computerized (Logicab 2)

# Viking™ 3 terminal blocks with screw connection and accessories

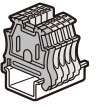
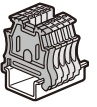
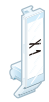
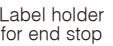

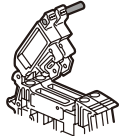
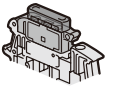
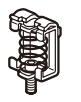
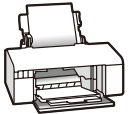

for copper cable



ELECTRICAL FUNCTION

	<p><b>Connecting</b></p>	<p>1 connection - 1 entries/1 outlet</p> <p>1 connection - 2 entries/2 outlets</p> <p>2 connections on 2 levels</p> <p>3 connections on 3 levels</p>	
	<p><b>For protection conductor</b></p>	<p>1 connection - 1 entry/1 outlet - metal base</p> <p>1 connection - 2 entries/2 outlets - metal base</p>	
	<p><b>Disconnect</b></p>	<p>1 connection</p> <ul style="list-style-type: none"> <li>Open (to be equipped)</li> <li>For fuse cartridge 5 x 20 with handle lever</li> <li>For fuse cartridge 5 x 20 with handle lever + blown fuse indicator</li> <li>For neutral circuit with handle lever</li> <li>For standard circuit                             <ul style="list-style-type: none"> <li>With handle lever</li> <li>With mini lever</li> </ul> </li> <li>For circuit not broken                             <ul style="list-style-type: none"> <li>With handle lever</li> <li>With mini lever</li> </ul> </li> <li>For fuse cartridge 5 x 20 with screwed plug</li> </ul>	
	<p><b>Function blocks</b></p>	<p>1 connection</p> <ul style="list-style-type: none"> <li>Modular</li> <li>Diode carrier 1N4007</li> </ul> <p>2 connections on 2 levels</p> <ul style="list-style-type: none"> <li>Diode carrier 1N4007</li> <li>With voltage presence LED</li> </ul>	
	<p><b>For sensor and actuator</b></p> <p><b>PNE</b></p> <p><b>Measurement</b></p>	<p>3 connections on 3 levels</p> <ul style="list-style-type: none"> <li>Sensor</li> <li>Actuator</li> <li>Phase/Neutral/Earth</li> </ul> <p>1 connection</p> <ul style="list-style-type: none"> <li>Disconnect for measuring circuit</li> </ul>	

1: Blown fuse indicator 12/24/48 V ~ /~ Cat.No 0 375 24 or 110/250 V~ Cat.No 0 375 25 - 2: Or end stop Cat.No 0 375 10 - 3: Upper level only - 4: Lower level only - 5: Lower and intermediate levels

TERMINAL BLOCKS				INSULATION		EQUIPOTENTIAL LINK			PROTECTION		MEASURE- MENT	ASSOCIATED PRODUCTS								
Nominal cross-section (mm <sup>2</sup> )	Pitch (mm)	Colour	Cat.No	End cap	Separation and insulation divider	Automatic insertion bridging comb			Comb for 12 blocks, side	Bar for 12 blocks, front	Single pole screen	Cut to length screen	Test socket	 End stops						
						2 red blocks	10 red blocks	10 blue blocks												
2.5	5	0 371 60	0 371 50 <sup>(2)</sup>	0 375 50 <sup>(2)</sup>	0 375 60	0 375 02	0 375 01	0 375 00			0 375 65	0 375 68	0 375 27 <sup>(7)</sup>	 End stops						
		0 371 20						0 375 03												
4	6	0 371 61	0 371 50 <sup>(2)</sup>	0 375 50 <sup>(2)</sup>	0 375 60	0 375 05	0 375 04	0 375 03			0 375 65	0 375 68	0 375 27 <sup>(7)</sup>	 Label holder for end stop						
		0 371 01						0 371 21												
		0 371 77						0 371 31												
6	8	0 371 62	0 371 50 <sup>(2)</sup>	0 375 50 <sup>(2)</sup>	0 375 60	0 375 07 <sup>(6)</sup>	0 375 08 <sup>(6)</sup>				0 375 66	0 375 68	0 375 27	 Label holder for end stop						
		0 371 02						0 371 78												
10	10	0 371 63	0 371 50 <sup>(2)</sup>	0 375 50 <sup>(2)</sup>	0 375 60				0 375 40	0 375 66	0 375 68	0 375 75								
		0 371 03																		
16	12	0 371 64	0 371 51	0 375 51	0 375 61				0 375 42	0 375 67	0 375 69	0 375 76		 Handle lever mini lever						
		0 371 04						0 371 98												
35	15	0 371 65	0 371 51	0 375 51	0 375 61				0 375 44	0 375 67	0 375 69	0 375 76								
		0 371 05						0 371 99												
70	22	0 371 66	built-in																	
4	6	0 371 69	0 371 52	0 375 52	0 375 62	0 375 05	0 375 04	0 375 03					0 375 27 <sup>(7)</sup>							
		0 371 09						0 375 03												
2.5	5	0 371 67	0 371 53	0 375 53	0 375 63	0 375 02	0 375 01	0 375 00					0 375 27 <sup>(3)(7)</sup>	 Joining rods for disconnect blocks						
		0 371 07						0 375 03												
4	6	0 371 68	0 371 53	0 375 53	0 375 63	0 375 05	0 375 04	0 375 03					0 375 27 <sup>(3)(7)</sup>							
		0 371 08						0 375 03												
2.5	5	0 371 51	0 375 54	0 375 54	0 375 02 <sup>(3)</sup>	0 375 01	0 375 03 <sup>(3)</sup>	0 375 00	0 375 46 <sup>(5)</sup>	0 375 47 <sup>(5)</sup>			0 375 27 <sup>(3)(7)</sup>							
2.5	5	0 371 70	0 375 50 <sup>(2)</sup>																	
4	6	0 371 71																		
6	8	0 371 72																		
10	10	0 371 73																		
16	12	0 371 74																		
35	15	0 371 75																		
35	15	0 371 76	0 375 51																	
4	6	0 371 79	0 375 52											 Blown fuse indicators						
2.5	6	0 371 80	0 375 55	0 375 55	0 375 62	0 375 05	0 375 04	0 375 03					0 375 27 <sup>(7)</sup>	 Shielding						
		0 371 81						0 375 03												
		0 371 81 + 0 375 24/25 <sup>(1)</sup>						0 375 03												
		0 371 82																		
		0 371 83																		
		0 371 84						0 375 55							0 375 62	0 375 05	0 375 04	0 375 03	0 375 03	0 375 27 <sup>(7)</sup>
		0 371 85						0 375 55							0 375 62	0 375 05	0 375 04	0 375 03	0 375 03	0 375 27 <sup>(7)</sup>
0 371 86	0 375 55	0 375 62	0 375 05	0 375 04	0 375 03	0 375 03	0 375 27 <sup>(7)</sup>													
10	12	0 371 87	0 375 56																	
2.5	5	0 371 53	0 375 55			0 375 02	0 375 01	0 375 00					0 375 27 <sup>(7)</sup>							
		0 371 54						0 375 03												
4	6	0 371 55	0 375 53	0 375 63	0 375 63	0 375 05	0 375 04	0 375 03					0 375 27 <sup>(3)(7)</sup>	 Printer						
		0 371 56						0 375 03												
2.5	5	0 371 51	0 375 54	0 375 54	0 375 54	0 375 02 <sup>(3)</sup>	0 375 01	0 375 00	0 375 46 <sup>(5)</sup>	0 375 47 <sup>(5)</sup>			0 375 27 <sup>(3)(7)</sup>	 Logicab 2						
		0 371 52						0 375 03												
4	8	0 371 92	0 375 57										0 375 77							

6: Cat.No 0 375 07 for 3 terminal blocks - 7: Permanent measurement: side by side installation of 2 test sockets not possible

# Viking™ 3 terminal blocks with spring connection and accessories

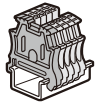


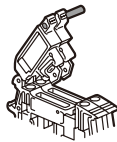
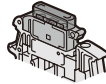


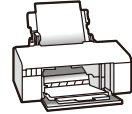
for copper cable



ELECTRICAL FUNCTION

0 372 60            0 372 61 0 372 64            0 372 40 0 372 69            0 372 68 0 372 02            0 372 47 0 372 21            0 372 42	<b>Connecting</b>		
		1 connection - 2 wires - 1 entry/1 outlet	
		1 connection - 3 wires - 1 entry/2 outlets	
		1 connection - 4 wires - 2 entries/2 outlets	
		2 connections - 4 wires - 2 levels	
0 372 70            0 372 71 0 372 72            0 372 12	<b>For protection conductor</b>	1 connection - 2 wires - 1 entry/1 outlet - metal base	
		1 connection - 3 wires - 1 entry/2 outlets - metal base	
		1 connection - 4 wires - 2 entries/2 outlets - metal base	
0 372 80            0 372 82 0 372 83            0 372 84	<b>Disconnect</b>	1 connection 2 wires	Open (to be equipped)
		For fuse cartridge 5 x 20 with handle lever	
		For fuse cartridge 5 x 20 with handle lever + blown fuse indicator	
		For neutral circuit with handle lever	
		For standard circuit	With handle lever
		For circuit not broken	With mini lever
0 372 54            0 372 56	<b>Function blocks</b>	1 connection 4 wires 2 entries/2 outlets	Diode carrier 1N4007
		2 connections 4 wires 2 levels	Diode carrier 1N4007
		With voltage presence LED	

1: Blown fuse indicator 12/24/48V~/~ Cat.No 0 375 24 or 110/250V~ Cat.No 0 375 25 - 2: Lower level only - 3: Upper level only - 4: Current IEC 60947-7-1 : max. 24 A  
5: Cat.No 0 375 07 for 3 terminal blocks - 6: Permanent measurement: side by side installation of 2 test sockets not possible

TERMINAL BLOCKS				INSULATION		EQUIPOTENTIAL LINK			MEASUREMENT	ASSOCIATED PRODUCTS	
Nominal cross-section (mm <sup>2</sup> )	Pitch (mm)	Colour	Cat.Nos	End cap	Separation and insulation divider	Automatic insertion bridging comb			Test socket		
						2 red blocks	10 red blocks	10 blue blocks			
4	5	●	0 372 60	0 375 86	0 375 95	0 375 02 <sup>(4)</sup>	0 375 01 ● <sup>(4)</sup>	0 375 00 ● <sup>(4)</sup>	0 375 27 <sup>(6)</sup>	 End stops	
		●	0 372 00								
		●	0 372 20								
4	6	●	0 372 61	built-in	0 375 95	0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>	 Label holder for end stop	
		●	0 372 01								
		●	0 372 21								
6	8	●	0 372 62	built-in		0 375 07/08 <sup>(5)</sup>			0 375 27		
		●	0 372 02								
10	10	●	0 372 63	built-in		0 375 82					
		●	0 372 03								
16	12	●	0 372 64	built-in		0 375 85					
		●	0 372 04								
4	5	●	0 372 40	0 375 87	0 375 95	0 375 02 <sup>(4)</sup>	0 375 01 ● <sup>(4)</sup>	0 375 00 ● <sup>(4)</sup>	0 375 27 <sup>(6)</sup>	 Handle lever mini lever	
		●	0 372 41								
		●	0 372 42								
4	6	●	0 372 43	built-in	0 375 95	0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>		
		●	0 372 44								
4	5	●	0 372 46	0 375 88	0 375 95	0 375 02 <sup>(4)</sup>	0 375 01 ● <sup>(4)</sup>	0 375 00 ● <sup>(4)</sup>	0 375 27 <sup>(6)</sup>	 Joining rods for disconnect blocks	
		●	0 372 47								
4	6	●	0 372 69	built-in		0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>		
		●	0 372 09								
4	5	●	0 372 67	0 375 89	0 375 96	0 375 02 <sup>(4)</sup>	0 375 01 ● <sup>(4)</sup>	0 375 00 ● <sup>(4)</sup>	0 375 27 <sup>(3)(6)</sup>		
		●	0 372 07								
4	6	●	0 372 68	built-in	0 375 96	0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(3)(6)</sup>		
		●	0 372 08								
4	5		0 372 70	0 375 86						 Blown fuse indicators	
4	6		0 372 71	built-in							
6	8		0 372 72								
10	10		0 372 73								
16	12	●	0 372 74								
4	5		0 372 10	0 375 87						 Shielding	
4	6		0 372 11	built-in							
4	5		0 372 12	0 375 88							
4	6		0 372 79	built-in							
2.5	6	●	0 372 80	0 375 90		0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>	 CAB 3	
		●	0 372 81	0 375 90							
		●	0 372 81 + 0 375 24/25 <sup>(1)</sup>								
		●	0 372 82								
		●	0 372 83	0 375 90		0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>		
		●	0 372 84	0 375 90		0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>		
●	0 372 85	0 375 90		0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>				
4	5		0 372 86	0 375 90		0 375 05	0 375 04 ●	0 375 03 ●	0 375 27 <sup>(6)</sup>	 Logicab 2	
		●	0 372 54	0 375 88	0 375 95						
		●	0 372 55	0 375 89	0 375 96	0 375 02 <sup>(4)</sup>	0 375 01 ● <sup>(4)</sup>	0 375 00 ● <sup>(4)</sup>			
			0 372 56	0 375 89	0 375 96	0 375 02 <sup>(2)(4)</sup>	0 375 01 ● <sup>(2)(4)</sup>	0 375 00 ● <sup>(2)(4)</sup>			



# terminal blocks with screw connection Viking™ 3

## ■ Characteristics and dimensions (mm)

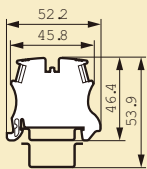
V2 polyamide according to UL 94, 960°C according to IEC EN 60695-2-11

### Connecting blocks

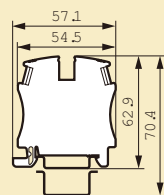
Cat.Nos	Voltage (V)			Current (A)				Nominal cross-section		
	IEC	CSA	UL	le	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 00/20/30/60	800	600	600	27	24	20	20	2.5	12	12
371 01/21/31/61				36	32	30	30	4	10	10
371 02/62				48	41	50	50	6	8	8
371 03/63				63	57	60	60	10	6	6
371 04/64				85	76	85	85	16	4	4
371 05/65				138	125	115	115	35	2	2
371 07/67				27	24	20	20	2.5	12	12
371 08/68				36	32	30	30	4	10	10
371 09/69				36	32	30	30	4	10	10
371 66				1000	600	600	213	192	200	200
371 77	800	600	600	36	32	30	30	4	10	10
371 78				48	41	50	50	6	8	8

Cat.No 371 51: see blocks for sensors  
IEC 60947-7-1, CSA no. 22-2 no. 158, UL 1059  
le: Rated current NF C 15100 table 52H, column 4

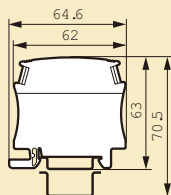
Cat.Nos 371 00/01/02/  
03/20/21/30/31/60/61/  
62/63/77/78



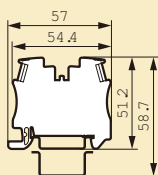
Cat.Nos  
371 04/05/64/65



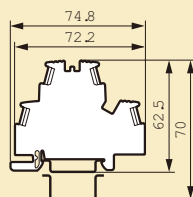
Cat.No 371 66



Cat.Nos 371 09/69



Cat.Nos 371 07/08/67/68



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

The terminal blocks with screw connection covered by this certificate are 1-, 2- and 3-level connecting terminal blocks, and blocks for protection conductor with metal<sup>(1)</sup> and plastic base (detailed list on p. 8)

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

Blocks with 2 entries - 2 outlets: 250 V

2 and 3-level terminal blocks: 250 V

Rated current:

Conductor cross-section (mm²)	2.5	4	6	10	16	35	70
Rated current (A)	18	23	30	42	57	93	144

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

(1) Except for Cat.No 371 76

## Blocks for protection conductor

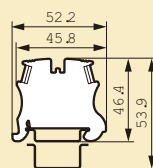
Cat.Nos	Voltage (V)			Nominal cross-section		
	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 70	800	600	600	2.5	12	12
371 71				4	10	10
371 72				6	8	8
371 73 <sup>(1)</sup>				10	6	6
371 74 <sup>(1)</sup>				16	4	4
371 75 <sup>(1)</sup>				35	2	2
371 76				-	-	-
371 77	800	600	600	4	10	10
371 78	500	300	300	6	8	8
371 79				4	10	10

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

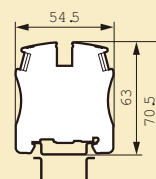
(1) PEN terminal blocks

Cat.Nos

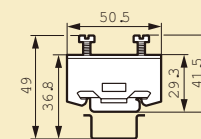
371 70/71/72/73



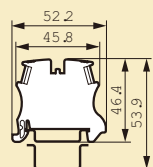
Cat.Nos 371 74/75



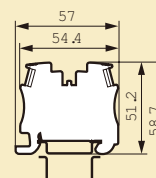
Cat.No 371 76



Cat.Nos 371 77/78



Cat.No 371 79



## Disconnect terminals

Cat.Nos	Voltage (V)			Current (A)			Nominal cross-section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
371 80	500	300	300	15	15	15	2.5	12	12
371 81 ou 371 80 + 375 15	250	250	250	6.3	6.3	6.3			
371 82	500	300	300	15	15	15			
371 83									
371 84									
371 85									
371 86									
371 87	250	250	250	10	10	10	10		

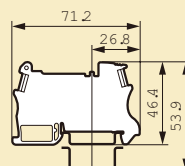
IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

## Power according to EN 60947-7-3

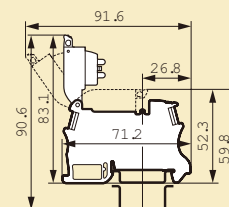
Cat.Nos	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
371 81 or 371 80 + 375 15 <sup>(1)</sup>	4 W / 6.3 A Pvk = 4.75 W	1.6 W/6.3 A Pvk = 2 W	1.6 W/6.3 A Pv = 1.65 W	-
371 87	4 W	2.5 W	1.6 W	-
	Pvk = 5 W	Pvk = 2.7 W	Pv = 1.8 W	-

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

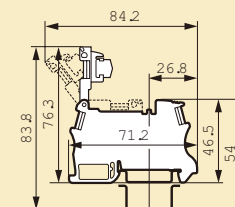
Cat.No 371 80



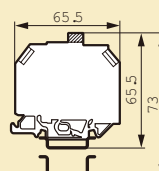
Cat.Nos 371 81/82/83/85



Cat.Nos 371 84/86



Cat.No 371 87

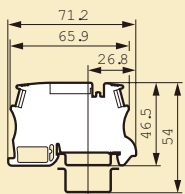


## Function blocks

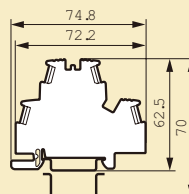
Cat.Nos	Voltage (V)			Current (A)			Nominal cross-section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm <sup>2</sup> )	CSA (AWG)	UL (AWG)
371 53	250	-	-	-	-	-	2.5	-	-
371 54	250	-	-	1	-	-	2.5	-	-
371 55	500	300	300	1	1	1	4	10	10
371 56	12 to 24	12 to 24	12 to 24	32	30	30	4	10	10

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

### Cat.Nos 371 53/54

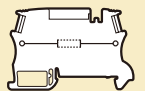


### Cat.Nos 371 55/56

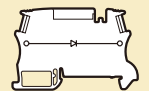


## Schematic diagrams

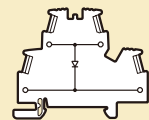
### Cat.No 371 53



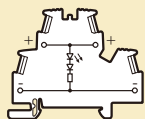
### Cat.No 371 54



### Cat.No 371 55



### Cat.No 371 56



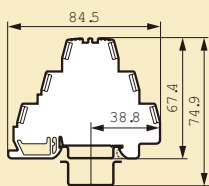
Diode for Cat.Nos 371 54/55  
 - 1N4007 type 1A  
 - direct current = 1 A  
 - peak inverse voltage 1000 V  
 - inverse current 5 ØA at 25°C

## Blocks for sensors and actuators/PNE

Cat.Nos	Voltage (V)			Current (A)			Nominal cross-section			
	IEC	CSA	UL	I <sub>e</sub>	IEC	CSA	UL	IEC (mm <sup>2</sup> )	CSA (AWG)	UL (AWG)
371 51	400	300	300	27	24	20	20	2.5	12	12
371 52	-	-	-	-	-	-	-	-	-	-

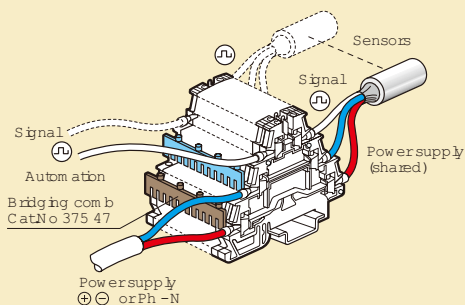
IEC 60947-7-1/7-2, CSA no. 22-2 no. 158, UL 1059  
 I<sub>e</sub>: Rated current N F C 15100 table 52H, column 4

### Cat.Nos 371 51/52

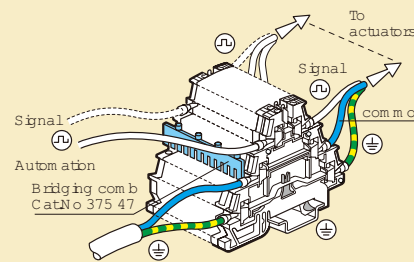


## Wiring principle

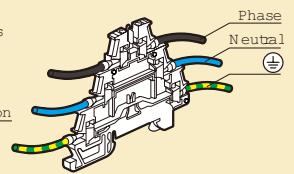
Block for sensor Cat.No 371 51



## Block for actuator Cat.No 371 52



## PNE block Cat.No 371 52

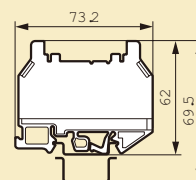


## Disconnect block for measurement

Cat.Nos	Voltage (V)			Current (A)			Nominal cross-section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm <sup>2</sup> )	CSA (AWG)	UL (AWG)
371 92	800	-	-	24	-	-	4	-	-

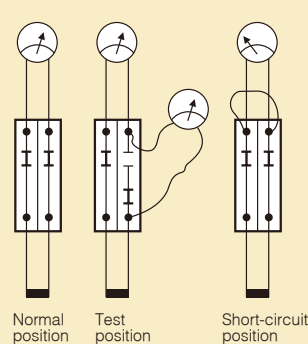
IEC EN 60947-7-1

### Cat.No 371 92



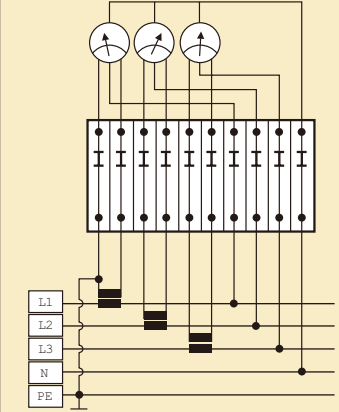
## Wiring principle for measurement blocks Cat.No 371 92

### Ammeter circuit



Per circuit:  
 2 x Disconnect blocks for measurement Cat.No 371 92  
 4 x Measurement sockets for ±4 mm plug Cat.No 375 77  
 1 x End cap Cat.No 375 57  
 1 x Shunt with ±4 mm plugs

### Wattmeter circuit



10 x Disconnect blocks for measurement Cat.No 371 92  
 12 x Measurement sockets for ±4 mm plug Cat.No 375 77  
 1 x End cap Cat.No 375 57  
 3 x Shunts with ±4 mm plugs

## Stripped lengths (mm)

Screw terminal pitch (mm)	Rigid or flexible wire
5	
6	6 to 8
8	
10	10 to 12
12	13 to 17
15	14 to 18
22	15 to 22

## 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

# terminal blocks with spring connection Viking™ 3

## ■ Characteristics and dimensions (mm)

V2 polyamide according to UL 94, 960°C according to IEC EN 60695-2-11

### Connecting blocks

Cat.Nos	Voltage (V)			Current (A)				Nominal cross-section			
	IEC	CSA	UL	IE	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)	
372 00	800	600	600	36	32	20	20	4	12	12	
372 01				48	41	30	30	6	10	10	
372 02				63	57	50	50	10	8	8	
372 03				85	76	65	65	16	6	6	
372 04											
372 07	500	300	300			30	30		10	10	
372 08											
372 09											
372 20											
372 21											
372 40	800	600	600	36	32	20	20	4	12	12	
372 41											
372 42											
372 43											
372 44											
372 46											
372 47											
372 60											
372 61											
372 62											
372 63				48	41	30	30	6	10	10	
372 64				63	57	50	50	10	8	8	
372 67				85	76	65	65	16	6	6	
372 68	500	300	300	36	32	30	30	4	10	10	
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)			Nominal cross-section		
	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
372 10	800	600	600	4	10	10
372 11						
372 12						
372 70						
372 71						
372 72						
372 73 <sup>(1)</sup>						
372 74 <sup>(1)</sup>						
372 79						
				10	8	8
				16	6	6
				4	10	10

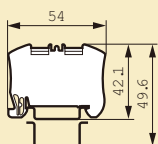
IEC 60947-7-2, CSA no. 22-2 no. 158, UL 1059  
(1): PEN terminal blocks

### Function blocks

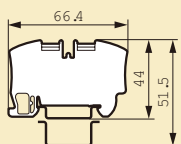
Cat.Nos	Voltage (V)			Current (A)			Nominal cross-section		
	IEC	CSA	UL	IEC	CSA	UL	IEC (mm²)	CSA (AWG)	UL (AWG)
372 54	500	300	300	1	1	1	4	14	14
372 55									
372 56	12 to 24	12 to 24	12 to 24	-	-	-			

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

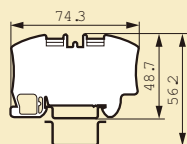
Cat.Nos 372 00/01/20/  
21/60/61/70/71



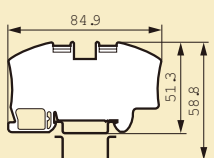
Cat.Nos 372 02/62/72



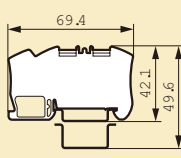
Cat.Nos 372 03/63/73



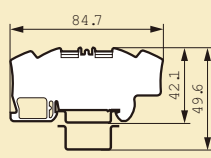
Cat.Nos 372 04/64/74



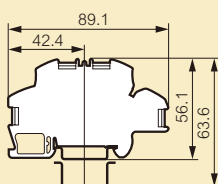
Cat.Nos 372 10/11/40/  
41/42/43/44



Cat.Nos 372 09/12/46/  
47/54/69/79

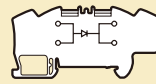


Cat.Nos 372 07/08/55/56/67/68

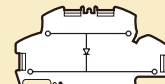


### Schematic diagrams

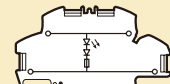
Cat.No 372 54



Cat.No 372 55



Cat.No 372 56



Diode for Cat.Nos 372 54/55

- 1N4007 type 1A
- direct current = 1 A
- peak inverse voltage 1000 V
- inverse current 5 ØA at 25°C

### Approved by ATEX:

LCIE 07 ATEX 0010 U-0081 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. 10)

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  
Blocks with 2 entries - 2 outlets: 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)
372 80	500	300	300	15	15	15	2.5	14	14
372 81 or 372 80 + 375 15	250	250	250	6.3	6.3	6.3			
372 82									
372 83									
372 84	500	300	300	15	15	15			
372 85									
372 86									

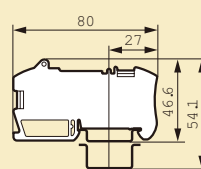
IEC 60947-7-1/7-3, CSA no. 22-2 no. 158, UL 1059

Power according to EN 60947-7-3

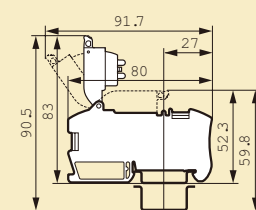
Cat.Nos	Short-circuit		Short-circuit + overload	
	Separate blocks	Assembled blocks	Separate blocks	Assembled blocks
372 81 ou 372 80 + 375 15 <sup>(1)</sup>	4 W / 6.3 A Pvk = 4.75 W	1.6 W / 6.3 A Pvk = 2 W	1.6 W / 6.3 A Pv = 1.65 W	-

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

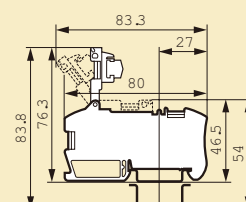
Cat.No 372 80



Cat.Nos 372 81/82/83/85



Cat.No 372 84/86



**Stripped lengths (mm)**

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

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

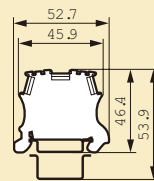
Art. EL 3, definitions: "Security installations are those that have to be put into or maintained in service to ensure the evacuation of the public" or facilitate the intervention of the first-aid

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

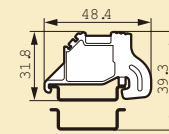
**Characteristics and dimensions (mm)**

**End stops**

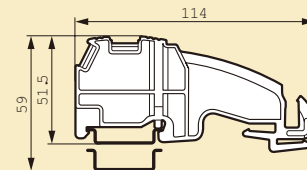
Cat.No 375 10



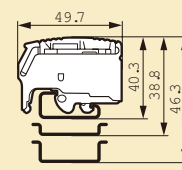
Cat.No 375 11



Cat.No 375 12



Cat.No 375 13



**End caps**

Cat.Nos	Thickness (mm)
375 50	2
375 51	2.5
375 52	2
375 53	2
375 54	2.5
375 55	2
375 56	1.4
375 57	1.4
375 86	1
375 87	1.1
375 88	1.1
375 89	1.1
375 90	2

**Separation and insulation dividers**

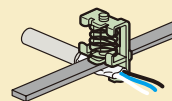
Cat.Nos	Thickness (mm)
375 54	2.5
375 60	2.5
375 61	2.6
375 62	2.5
375 63	2.5
375 95	2.8
375 96	2.7

**Equipotential bridging combs/bars**

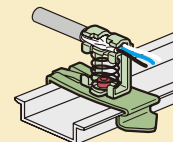
Cat.Nos	Cross-section (mm²)
375 01	2.5
375 02	2.5
375 04	4
375 05	4
375 07	6
375 08	6
375 40	10
375 42	16
375 44	35
375 46	2.5
375 47	2.5
375 82	10
375 85	16

**Shielding clamps**

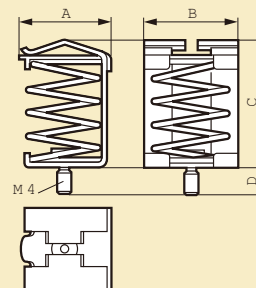
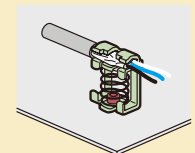
Mounting on bar  
10 x 3 Cat.No 375 34



Mounting on rail  
with accessory  
Cat.No 364 69



Mounting on plate



Cat.Nos	A	B	C	D
375 30	13.5	18	26	5.6
375 31	20	20.3	31.4	5.3
375 32	24.8	26	40	5.3









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