

**Application field**

Pizzato Elettrica widens its own range of products making a new series of safety switches hinge-shaped, where safety and style are melted in one single product.

The switch is completely integrated in the mechanical hinge, to result practically invisible to an inexperienced eye. This guarantees a higher safety because a switch hard to identify is consequently also more difficult to defeat. The assembly without visible screws and the pleasant line, make the switch perfectly integrated also with guards of modern design machinery.

In order to complete the offer complementary hinges with purely mechanics functions are available.



**Operating point regulation**



The switches operating point can be regulated through a simple Phillips screwdriver. The operating point regulation allows the setting possibility (up to 4°) for large guards. After the setting, it's always necessary to close the hole through the suitable supplied safety seal plug.

**Variations of the activation base angle**



New versions with the switch activation angle equal to a multiple of 15° (e.g. 45° or 90°) are available on request. The different activation angle does not invalidate the possibility to adjust the operating point through the switch adjusting screws. The variation of the operating angle does not alter the switch maximum mechanical travel.

**M12 integrated connector version**



Versions with connection from the top or the bottom are available with M12 integrated connector. The application of versions with connector allows a faster wiring when it's necessary to move guards from test line to final user.

**Opening angle up to 180°**



The mechanical design of the switch allows the application also onto protections up to 180° opening angle.

**Protection degree IP67 and IP69K**

The HP series switches by Pizzato Elettrica, besides having an IP67 protection degree, have passed the test proving their IP69K protection degree according to the prescriptions established by the DIN 40050 standard. Therefore they are suitable for use in machineries subjected to intense washing with high pressure and high temperature water jets and for any condition or environment where a particular attention for cleanness and hygiene is required, such as in food or pharmaceutical industry.

**IP69K**  
**IP67**

**Versions for glass or polycarbonate doors**



It's available a variation of the switch shape specifically designed for glass and polycarbonate doors without frame. The wider supporting arm and the spaced fixing points facilitate the installation and prevent the cracking caused by holes too near the guard edge. However, it is necessary to verify that the door mechanical stop is not performed by the switch.

**Cable with connector from back**



This version with cable and M12 connector from back is the best combination between aesthetics and connection ease. When machineries have to be assembled by the final customer, this solution allows to hide the wiring and at the same time to easily connect or disconnect it from inside the machinery.

**Additional hinges**



To complete the installation, different additional hinge are available to be used in different combinations based on the guard weight. These hinges keep the same aesthetics and mechanical structure and without the electrical part their price is lower.

## Application examples



- Switch without supports
- Rear fixing
- Cable output from back



- Switch with angular supports for profiles with slots
- Fixing through internal screws
- Connector output from bottom

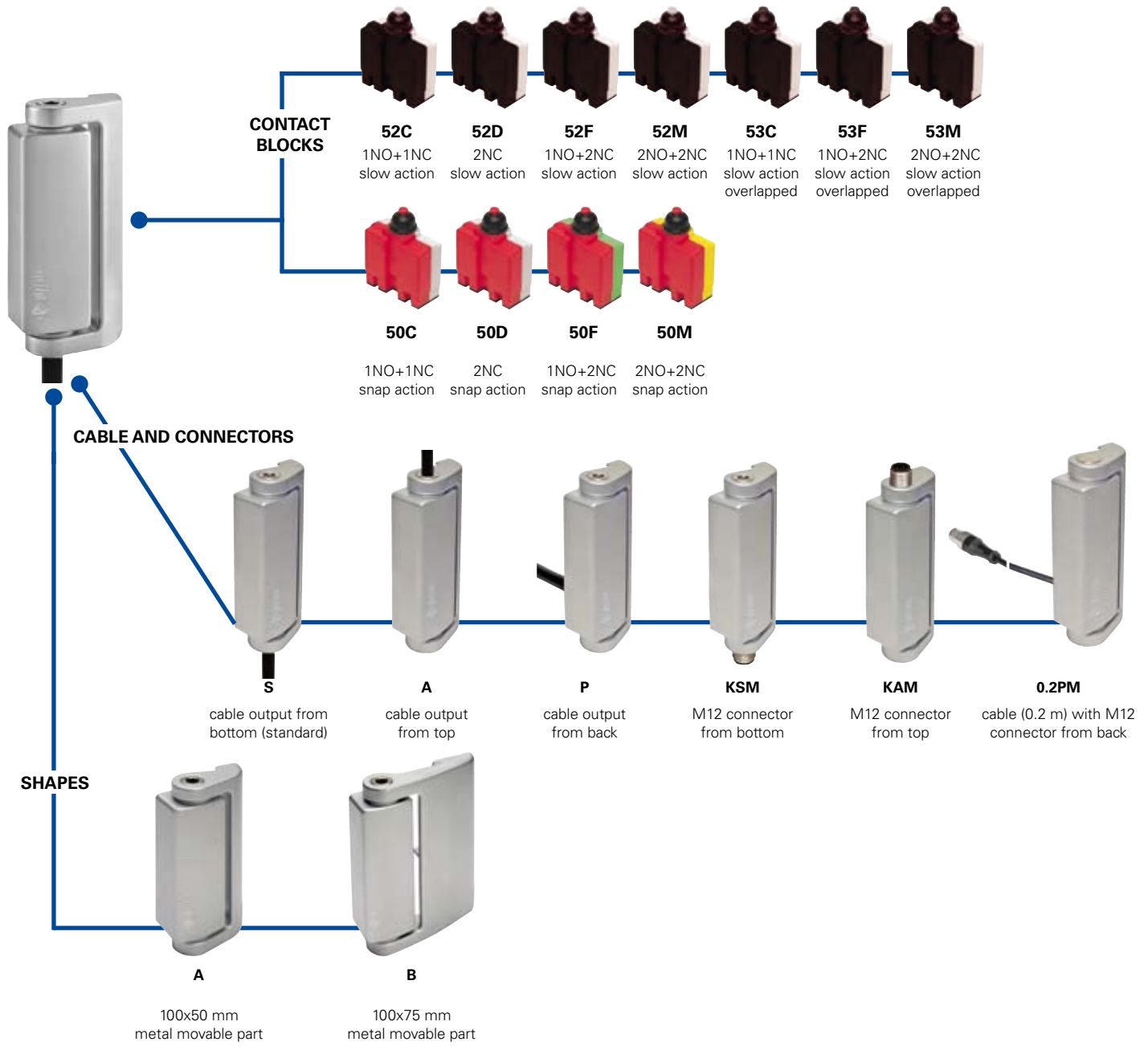


- Switch with plane supports for profiles with slots
- Fixing through front screws
- Cable output from bottom



- Direct fixing to the polycarbonate plate
- Switch without supports
- Fixing with internal screws
- Output with connector from back

Selection diagram



COMPLEMENTARY HINGES



HC LL

HC AA

HC AB

—●— product option



**Code structure** **Attention!** The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

article option  
**HP AA052C-2SNGH15**

Movable part	
<b>A</b>	100x50 metal movable part
<b>B</b>	100x75 metal movable part

Contact block	
<b>52C</b>	1NO+1NC, slow action
<b>52D</b>	2NC, slow action
<b>52F</b>	1NO+2NC, slow action
<b>52M</b>	2NO+2NC, slow action
<b>53C</b>	1NO+1NC, slow action overlapped
<b>53F</b>	1NO+2NC, slow action overlapped
<b>53M</b>	2NO+2NC, slow action overlapped
<b>50C</b>	1NO+1NC, snap action
<b>50D</b>	2NC, snap action
<b>50F</b>	1NO+2NC, snap action
<b>50M</b>	2NO+2NC, snap action

The versions with snap-action contact blocks are recommended for doors having a radius not greater than 600 mm.

Type of connection	
<b>0.2</b>	cable length 0.2 m
...	.....
<b>2</b>	cable length 2 m (standard)
...	.....
<b>10</b>	cable length 10 m
<b>K</b>	with integrated connector

Activation angle	
	0° activation angle (standard)
<b>H15</b>	15° activation angle
<b>H30</b>	30° activation angle
<b>H45</b>	45° activation angle
<b>H60</b>	60° activation angle
<b>H75</b>	75° activation angle
<b>H90</b>	90° activation angle

Contacts Type	
	silver contacts (standard)
<b>G</b>	silver contacts gold plated 1 µm

Type of cable	
<b>N</b>	cable PVC IEC 60332-1 black (standard)
<b>G</b>	cable CEI 20-22 II grey
<b>H</b>	cable PUR halogen free grey
<b>R</b>	cable for railway sector (EN 50306-4)
<b>M</b>	M12 connector

Connection output direction	
<b>S</b>	from bottom
<b>P</b>	from back
<b>A</b>	from top

## HC AA

Complementary hinges (H x L)	
<b>HC AA</b>	100.6 x 49 mm
<b>HC AB</b>	100.6 x 79 mm
<b>HC LL</b>	65 x 44.5 mm



### Main data

- Metal housing, cable output from top, bottom or back
- 4 integrated cable types available
- Versions with M12 connector
- Protection degree IP67 and IP69K
- 9 contact blocks with positive opening ☺
- Complementary hinges without contacts

### Markings and quality marks:



Approval IMQ: CA02.03746  
Approval UL: E131787

### Technical data

#### Housing

Metal housing, coated with baked epoxy powder  
Version with cable integrated length 2 m, other lengths on request.  
Versions with M12 5 or 8 poles integrated connector  
Protection degree: IP67 according to EN 60529  
IP69K according to DIN 40050  
(Protect the cables from direct high-pressure and high-temperature jets)

#### General data

For safety applications up to SIL 3 / PL e  
Safety parameters: see page 7/32  
Ambient temperature: See table on page 4/32  
Max actuation frequency: 1200 operations cycles<sup>1</sup>/hour  
Mechanical endurance: 1 million operations cycles<sup>1</sup>  
Max actuating speed: 90°/s  
Min. actuating speed: 2°/s  
Assembling position: any  
Max axial charge: 1500 N (preliminary data)  
Max radial charge: 1000 N (preliminary data)  
M5 screws max driving torque: 3 ... 5 Nm  
(1) One operation cycle means two movements, one to close and one to open contacts, as foreseen by IEC 60947-5-1 standard.

#### Electrical data

Rated impulse withstand voltage  $U_{imp}$ : 4 kV  
Conditional short circuit current: 1000 A according to EN 60947-5-1  
Pollution degree: 3

#### In conformity with standards:

IEC 60947-5-1, EN 60947-5-1, EN 60947-1, IEC 60204-1, EN 60204-1, EN 1088, EN ISO 12100-1, EN ISO 12100-2, IEC 529, EN 60529, DIN 40050.

#### Approvals:

IEC 60947-5-1, UL 508.

#### In conformity with requirements requested by:

Low Voltage Directive 2006/95/EC, Machinery Directive 2006/42/EC and Electromagnetic Compatibility 2004/108/EC.

#### Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1, VDE 0660-206.

⚠ If not expressly indicated in this chapter, for the right installation and the correct utilization of all articles see requirements indicated from page 7/1 to page 7/10.

⚠ Attention: switch off the circuit voltage before disconnecting the connector from the switch. The connector is not suitable for sectioning of electrical loads. According to EN 60204-1, versions with 8 poles M12 connector can be used only in circuits PELV.

### Data type approved by IMQ

Rated insulation voltage ( $U_i$ ): 250 Vac  
Thermal current (Ith): 10 A (1-2 contacts) / 6 A (3 contacts) / 4 A (4 contacts e with connector)  
Protection against short circuits (fuse): 10 A (1-2 contacts) / 6 A (3 contacts) / 4 A (4 contacts e with connector) type gG  
Rated impulse withstand voltage ( $U_{imp}$ ): 4 kV  
Protection degree: IP67  
MA terminals (seamed clamps)  
Pollution degree: 3  
Utilization category: AC15 / DC13 (with connector)  
Operation voltage ( $U_e$ ): 250 Vac (50 Hz) / 24 Vdc (with connector)  
Operation current ( $I_e$ ): 3 A / 2 A (with connector)  
Forms of the contact element: X, Y, X+Y, X+X, Y+Y, Y+Y+X, X+X+Y, X+X+Y+Y  
Positive opening of contacts on contact block 50A, 50C, 50D, 50F, 50G, 50M, 51A, 51C, 51D, 51F, 51G, 51M, 52A, 52C, 52D, 52F, 52G, 52M, 53A, 53C, 53D, 53F, 53G, 53M

In conformity with standards: EN 60947-1, EN 60947-5-1+ A1:2009, fundamental requirements of the Low Voltage Directive 2006/95/CE.

Please contact our technical service for the list of approved products.

### Data type approved by UL

Utilization categories: R300 pilot duty (28 VA, 125-250 Vdc)  
B300 pilot duty (360 VA, 120-240 Vac)  
Data of the housing type 1, 4X "indoor use only"; 12  
Data of the housing with 2-contact versions with N-type cable type 1, 4X "indoor use only"  
In conformity with standard: UL 508

Please contact our technical service for the list of approved products.

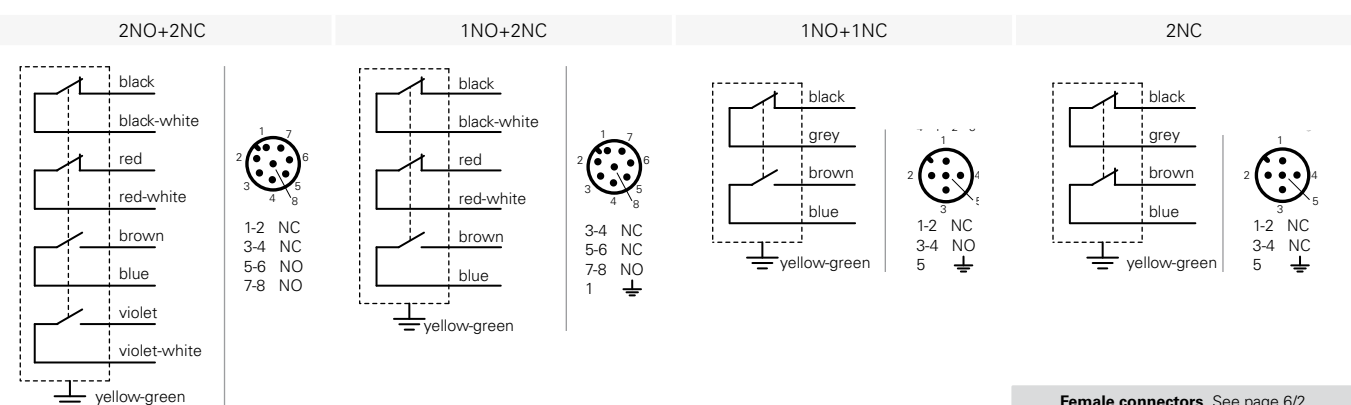


## Utilization temperatures and electrical data

output with cable								output with connector M12	
2 contacts versions				3 contacts versions		4 contacts versions		2 contacts versions	3/4 contacts versions
Cable type N 5x0,75 mm <sup>2</sup> ,	Cable type G 5x0,75 mm <sup>2</sup> ,	Cable type H 5x0,75 mm <sup>2</sup> ,	Cable type R 5x0,5mm <sup>2</sup>	Cable type N 7x0,5 mm <sup>2</sup>	Cable type H 7x0,5 mm <sup>2</sup> ,	Cable type N 9x0,34 mm <sup>2</sup>	Cable type R 9x0,5mm <sup>2</sup>	5 poles M12 connector	8 poles M12 connector
		Max Speed 100 m/min Max Acceleration 2 m/s <sup>2</sup>	Cable for railway applications EN50306-4 1E-300V-5x0,5 mm <sup>2</sup> MM-90		Max Speed 300 m/min Max Acceleration 25 m/s <sup>2</sup>		Cable for railway applications EN50306-4 1P-300V-9x0,5 mm <sup>2</sup> MM-90		
Sheath PVC H05VV-F, Not flame-spreading IEC 60332-1-2 IEC 60332-1-3 IEC 60332-2-2	Sheath PVC S05VV-F, Not flame-spreading IEC 60332-1-2 IEC 60332-1-3 IEC 60332-2-2 CEI 20-22 II	Sheath PUR HALO-GEN FREE Not flame-spreading IEC 60332-1-2 IEC 60332-1-3 IEC 60332-2-2 IEC 60332-3	According to: EN 50306-4 EN 45555 Not flame-spreading: IEC 60332-1 EN 50305 EN 50306-1	Sheath PVC H05VV-F, Not flame-spreading IEC 60332-1-2 IEC 60332-1-3 IEC 60332-2-2	Sheath PUR HALO-GEN FREE Not flame-spreading IEC 60332-1-2 IEC 60332-1-3 IEC 60332-2-2 IEC 60332-3	Sheath PVC H05VV-F, Not flame-spreading IEC 60332-1-2 IEC 60332-1-3 IEC 60332-2-2	According to: EN 50306-4 EN 45555 Not flame-spreading: IEC 60332-1 EN 50305 EN 50306-1		
Min. bend radius: 72 mm	Min. bend radius: 72 mm	Min. bend radius: 70 mm Without halogens IEC 60754-1 Oil-resistant IEC 60811-2-1 Gas emission reduced IEC 61034-1	Min. bend radius: 60 mm  Fumes density: EN 50306 IEC 61304-2 EN 50305 TC<5 Halogen content: IEC 60754-1 0% EN 50267 0% Fumes corrosion: EN 50267 pH>4,3 IEC 60754-4/2 pH>4,3	Min. bend radius 108 mm	Min. bend radius: 108 mm Without halogens IEC 60754-1 Oil-resistant IEC 60811-2-1 Gas emission reduced IEC 61034-1	Min. bend radius: 94 mm	Min. bend radius: 60 mm  Fumes density: EN 50306 IEC 61304-2 EN 50305 TC<5 Halogen content: IEC 60754-1 0% EN 50267 0% Fumes corrosion: EN 50267 pH>4,3 IEC 60754-4/2 pH>4,3		
Copper class 5 IEC 60228	Copper class 5 IEC 60228	Copper class 6 IEC 60228	Copper class 5 IEC 60228	Copper class 5 IEC 60228	Copper class 6 IEC 60228	Copper class 5 IEC 60228	Copper class 5 IEC 60228		

Utilization temperatures Standard	Extended -T6											
	Fixed laying cable	Flexible laying cable	Dynamic laying cable	Fixed laying cable	Flexible laying cable	Dynamic laying cable	Fixed laying cable	Flexible laying cable	Dynamic laying cable	Fixed laying cable	Flexible laying cable	
	-25°C ... +70°C	-25°C ... +70°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	
	+5°C ... +70°C	+5°C ... +70°C	-25°C ... +80°C	-25°C ... +80°C	-5°C ... +80°C	-25°C ... +80°C	-5°C ... +80°C	-25°C ... +80°C	-5°C ... +80°C	-25°C ... +80°C	-25°C ... +80°C	
	/	/	-25°C ... +80°C	/	/	-25°C ... +80°C	/	/	/	/	/	
	/	/	-40°C ... +80°C	-40°C ... +80°C	/	-40°C ... +80°C	/	-40°C ... +80°C	/	/	/	
	/	/	-40°C ... +80°C	-40°C ... +80°C	/	-30°C ... +80°C	/	-40°C ... +80°C	/	/	/	
	/	/	-40°C ... +80°C	/	/	-30°C ... +80°C	/	/	/	/	/	
Electrical data	Thermal current I <sub>th</sub>	10 A	10 A	10 A	6 A	6 A	6 A	4 A	4 A	4 A	2 A	
	Rated insulation Voltage U <sub>i</sub>	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	250 Vac	30 Vac 36 Vdc	
	Protection against short circuits (fuse)	10 A 500 V type gG	10 A 500 V type gG	10 A 500 V type gG	6 A 500 V type gG	6 A 500 V type gG	6 A 500 V type gG	4 A 500 V type gG	4 A 500 V type gG	4 A 500 V type gG	2 A 500V type gG	
	Utilization categories DC13	24 V	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A
		125 V	0,4 A	0,4 A	0,4 A	0,4 A	0,4 A	0,4 A	0,4 A	0,4 A	0,4 A	/
		250 V	0,3 A	0,3 A	0,3 A	0,3 A	0,3 A	0,3 A	0,3 A	0,3 A	0,3 A	/
Utilization categories AC15	24 V	4 A	4 A	4 A	4 A	4 A	4 A	4 A	4 A	4 A	2 A	
	120 V	4 A	4 A	4 A	4 A	4 A	4 A	4 A	4 A	4 A	/	
	250 V	4 A	4 A	4 A	4 A	4 A	4 A	4 A	4 A	4 A	/	
Approvals of switches with integrated cable	CE cULus IMQ	CE	CE cULus IMQ	CE IMQ	CE cULus IMQ	CE cULus IMQ	CE cULus IMQ	CE cULus IMQ	CE cULus IMQ	CE cULus IMQ	CE cULus	

## Internal connections

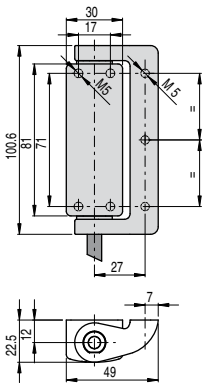
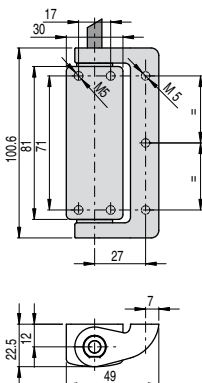
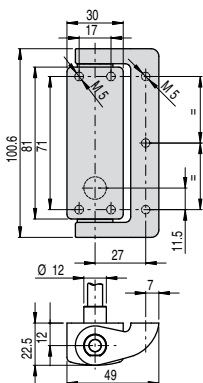


Female connectors See page 6/2

Dimensional drawings

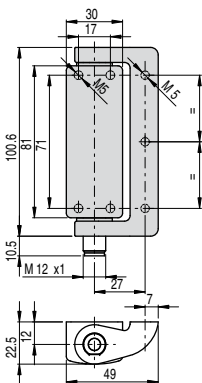
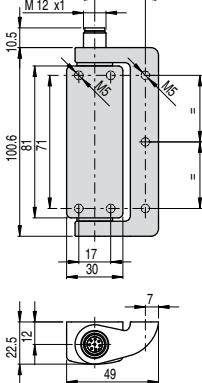
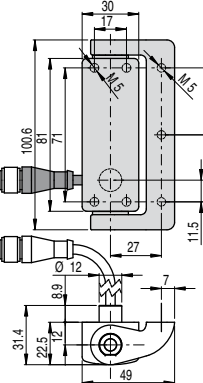
Contacts Type:

**L** = slow action  
**LO** = slow action overlapped

	Version with 2 m cable from bottom	Version with 2 m cable from top	Version with 2 m cable from back
			
<p>Min. force</p> <p>Travel diagrams</p>	<p>0,3 Nm (0,65 Nm <math>\ominus</math>)</p> <p>page 4/35 - group 1</p>	<p>0,3 Nm (0,65 Nm <math>\ominus</math>)</p> <p>page 4/35 - group 1</p>	<p>0,3 Nm (0,65 Nm <math>\ominus</math>)</p> <p>page 4/35 - group 1</p>
<p>52C <b>L</b></p> <p>52D <b>L</b></p> <p>52F <b>L</b></p> <p>52M <b>L</b></p> <p>53C <b>LO</b></p> <p>53F <b>LO</b></p> <p>53M <b>LO</b></p>	<p>HP AA052C-2SN <math>\oplus</math> 1NO+1NC</p> <p>HP AA052D-2SN <math>\oplus</math> 2NC</p> <p>HP AA052F-2SN <math>\oplus</math> 1NO+2NC</p> <p>HP AA052M-2SN <math>\oplus</math> 2NO+2NC</p> <p>HP AA053C-2SN <math>\oplus</math> 1NO+1NC</p> <p>HP AA053F-2SN <math>\oplus</math> 1NO+2NC</p> <p>HP AA053M-2SN <math>\oplus</math> 2NO+2NC</p>	<p>HP AA052C-2AN <math>\oplus</math> 1NO+1NC</p> <p>HP AA052D-2AN <math>\oplus</math> 2NC</p> <p>HP AA052F-2AN <math>\oplus</math> 1NO+2NC</p> <p>HP AA052M-2AN <math>\oplus</math> 2NO+2NC</p> <p>HP AA053C-2AN <math>\oplus</math> 1NO+1NC</p> <p>HP AA053F-2AN <math>\oplus</math> 1NO+2NC</p> <p>HP AA053M-2AN <math>\oplus</math> 2NO+2NC</p>	<p>HP AA052C-2PN <math>\oplus</math> 1NO+1NC</p> <p>HP AA052D-2PN <math>\oplus</math> 2NC</p> <p>HP AA052F-2PN <math>\oplus</math> 1NO+2NC</p> <p>HP AA052M-2PN <math>\oplus</math> 2NO+2NC</p> <p>HP AA053C-2PN <math>\oplus</math> 1NO+1NC</p> <p>HP AA053F-2PN <math>\oplus</math> 1NO+2NC</p> <p>HP AA053M-2PN <math>\oplus</math> 2NO+2NC</p>

Contacts Type:

**L** = slow action  
**LO** = slow action overlapped

	Version with M12 connector from bottom	Version with M12 connector from top	Version with 0,2 m cable and M12 connector from back
			
<p>Min. force</p> <p>Travel diagrams</p>	<p>0,3 Nm (0,65 Nm <math>\ominus</math>)</p> <p>page 4/35 - group 1</p>	<p>0,3 Nm (0,65 Nm <math>\ominus</math>)</p> <p>page 4/35 - group 1</p>	<p>0,3 Nm (0,65 Nm <math>\ominus</math>)</p> <p>page 4/35 - group 1</p>
<p>52C <b>L</b></p> <p>52D <b>L</b></p> <p>52F <b>L</b></p> <p>52M <b>L</b></p> <p>53C <b>LO</b></p> <p>53F <b>LO</b></p> <p>53M <b>LO</b></p>	<p>HP AA052C-KSM <math>\oplus</math> 1NO+1NC</p> <p>HP AA052D-KSM <math>\oplus</math> 2NC</p> <p>HP AA052F-KSM <math>\oplus</math> 1NO+2NC</p> <p>HP AA052M-KSM <math>\oplus</math> 2NO+2NC</p> <p>HP AA053C-KSM <math>\oplus</math> 1NO+1NC</p> <p>HP AA053F-KSM <math>\oplus</math> 1NO+2NC</p> <p>HP AA053M-KSM <math>\oplus</math> 2NO+2NC</p>	<p>HP AA052C-KAM <math>\oplus</math> 1NO+1NC</p> <p>HP AA052D-KAM <math>\oplus</math> 2NC</p> <p>HP AA052F-KAM <math>\oplus</math> 1NO+2NC</p> <p>HP AA052M-KAM <math>\oplus</math> 2NO+2NC</p> <p>HP AA053C-KAM <math>\oplus</math> 1NO+1NC</p> <p>HP AA053F-KAM <math>\oplus</math> 1NO+2NC</p> <p>HP AA053M-KAM <math>\oplus</math> 2NO+2NC</p>	<p>HP AA052C-0.2PM <math>\oplus</math> 1NO+1NC</p> <p>HP AA052D-0.2PM <math>\oplus</math> 2NC</p> <p>HP AA052F-0.2PM <math>\oplus</math> 1NO+2NC</p> <p>HP AA052M-0.2PM <math>\oplus</math> 2NO+2NC</p> <p>HP AA053C-0.2PM <math>\oplus</math> 1NO+1NC</p> <p>HP AA053F-0.2PM <math>\oplus</math> 1NO+2NC</p> <p>HP AA053M-0.2PM <math>\oplus</math> 2NO+2NC</p>

**Attention!** The safety hinge switch can be combined together exclusively with one or more Pizzato Elettrica hinges (series HP or HC). The use of whichever other hinge does not guarantee the right working of the safety device.

Accessories See page 6/1

All measures in the drawings are in mm

**Versions for glass or polycarbonate doors - Dimensional drawings**

Contacts Type:

**L** = slow action  
**LO** = slow action overlapped

	Version with 2 m cable from bottom	Version with 2 m cable from top	Version with 2 m cable from back
Contact blocks			
52C <b>L</b>	HP AB052C-2SN	HP AB052C-2AN	HP AB052C-2PN
52D <b>L</b>	HP AB052D-2SN	HP AB052D-2AN	HP AB052D-2PN
52F <b>L</b>	HP AB052F-2SN	HP AB052F-2AN	HP AB052F-2PN
52M <b>L</b>	HP AB052M-2SN	HP AB052M-2AN	HP AB052M-2PN
53C <b>LO</b>	HP AB053C-2SN	HP AB053C-2AN	HP AB053C-2PN
53F <b>LO</b>	HP AB053F-2SN	HP AB053F-2AN	HP AB053F-2PN
53M <b>LO</b>	HP AB053M-2SN	HP AB053M-2AN	HP AB053M-2PN
Min. force	0,3 Nm (0,65 Nm	0,3 Nm (0,65 Nm	0,3 Nm (0,65 Nm
Travel diagrams	page 4/35 - group 1	page 4/35 - group 1	page 4/35 - group 1

Contacts Type:

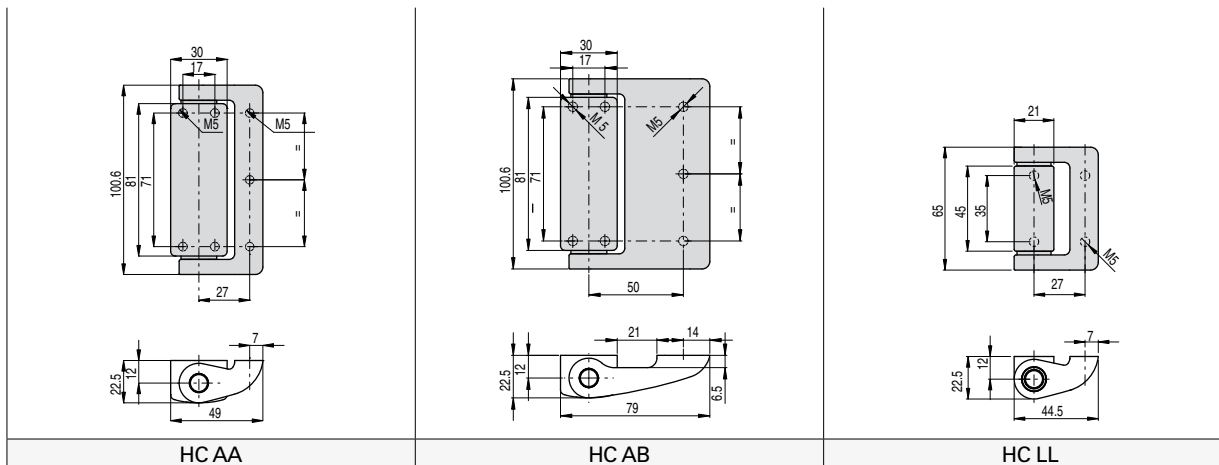
**L** = slow action  
**LO** = slow action overlapped

	Version with M12 connector from bottom	Version with M12 connector from top	Version with 0,2 m cable and M12 connector from back
Contact blocks			
52C <b>L</b>	HP AB052C-KSM	HP AB052C-KAM	HP AB052C-0.2PM
52D <b>L</b>	HP AB052D-KSM	HP AB052D-KAM	HP AB052D-0.2PM
52F <b>L</b>	HP AB052F-KSM	HP AB052F-KAM	HP AB052F-0.2PM
52M <b>L</b>	HP AB052M-KSM	HP AB052M-KAM	HP AB052M-0.2PM
53C <b>LO</b>	HP AB053C-KSM	HP AB053C-KAM	HP AB053C-0.2PM
53F <b>LO</b>	HP AB053F-KSM	HP AB053F-KAM	HP AB053F-0.2PM
53M <b>LO</b>	HP AB053M-KSM	HP AB053M-KAM	HP AB053M-0.2PM
Min. force	0,3 Nm (0,65 Nm	0,3 Nm (0,65 Nm	0,3 Nm (0,65 Nm
Travel diagrams	page 4/35 - group 1	page 4/35 - group 1	page 4/35 - group 1

**Attention!** The safety hinge switch can be combined together exclusively with one or more Pizzato Elettrica hinges (series HP or HC). The use of whichever other hinge does not guarantee the right working of the safety device.



## Complementary hinges



## Travel diagrams

All measures in the diagrams are in degrees

Contact blocks	Group 1	Contact blocks	Group 1	Contact blocks	Group 1
52C 1NO+1NC		52M 2NO+2NC		53M 2NO+2NC	
52D 2NC		53C 1NO+1NC			
52F 1NO+2NC		53F 1NO+2NC			

The diagrams here illustrated refer to pre-adjusted hinges. Hinges are not supplied pre-adjusted (max. pre-adjustment: 4°).



## Accessories

Article	Description
AC 7032	Protection plug of regulation

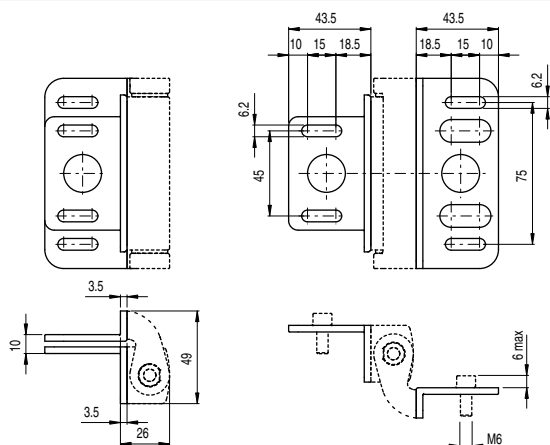
The plug is supplied with every hinge and must always be inserted after the operating point regulation. In case of loss or damage, the plug can be ordered separately.



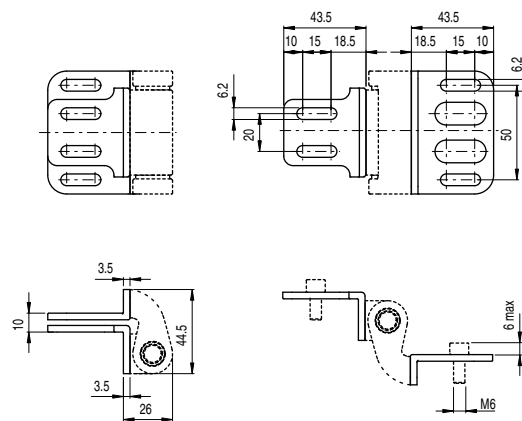
## Fixing plates

Fixing screw for profile not supplied on issue.

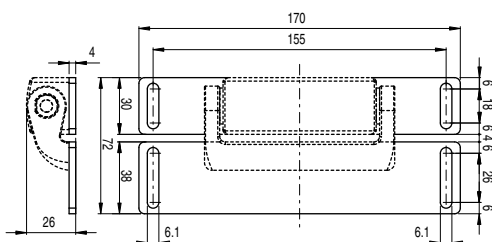
Article	Description
VF SFH1-C	Couple of angular supports for HP AA and HC AA supplied with fixing screws for switch



Article	Description
VF SFH2-C	Couple of angular supports for HC LL supplied with fixing screws for switch



Article	Description
VF SFH3-C	Couple of plane supports for HP AA and HC AA supplied with fixing screws for switch



Article	Description
VF SFH4-C	Couple of plane supports for HC LL supplied with fixing screws for switch

