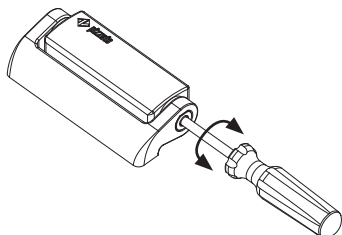


## Description



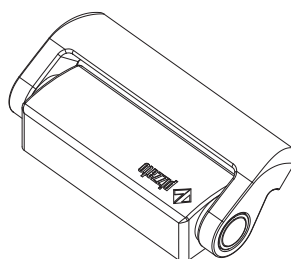
The HP - HC series hinge switches from Pizzato Elettrica combine safety and style in a single product. The electric switch is fully integrated into the mechanical hinge so that it is virtually invisible to an inexperienced eye. This, besides from being an aesthetic advantage, guarantees greater safety as a switch which is difficult to identify is consequently even more difficult to tamper with. The rear mounting without screws in sight and the very precise line mean the switch can be perfectly integrated even with guards of machinery with a very precise design. Complementary hinges with purely mechanical functions are also available to ensure perfect alignment with the rest of the machine.

## Adjustment of the switching point



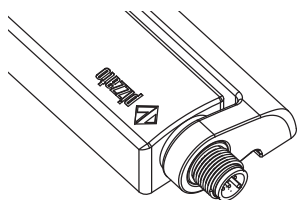
The switching point of the switches can be set with a screwdriver. Adjusting the switching point allows for any calibration for large size guards. After calibrating the switch, it is always necessary to close the hole using the safety cap supplied.

## Basic activation angle variants



On request, versions with a switch activation angle of 15° multiples (e.g. 45° or 90°) are available. The different activation angle does not exclude the possibility of adjustment of the switching point by means of the adjustment screw in the switch. Any change in the operating angle clearly does not alter the maximum mechanical switch travel.

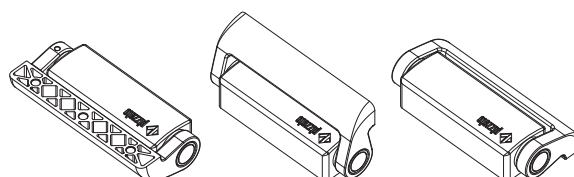
## Integrated M12 connector



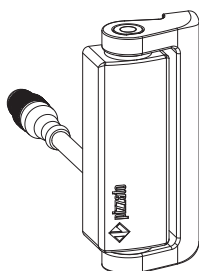
Versions with connection from the top or the bottom are available with integrated M12 connector. The use of versions with connectors permits faster wiring if guards need to be moved from the test location to the installation site.

## Opening angle up to 180°

The mechanical design of the switch also allows use on guards with an opening angle of up to 180°.

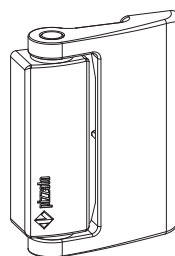


## Cable with connector at the back



The version with a rear cable and M12 connector is the best combination between aesthetics and connection ease. If machines need to be assembled at the customer's site, this solution allows the wiring to be hidden. At the same time, it facilitates the connection and disconnection of the wiring from inside the machinery.

## Versions for glass or polycarbonate doors



A version of the switch developed exclusively for glass and polycarbonate doors without frame is available. Installation is facilitated by the larger supporting arm and the spaced fixing points; these also prevent the formation of cracks caused by holes located too close to the edge of the guard. It is necessary to verify that the switch is not used as a mechanical stop for the door.

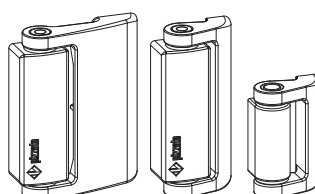
## Protection degrees IP67 and IP69K

**IP69K**  
**IP67**

These devices are designed to be used under the toughest environmental conditions, and they pass the IP67 immersion test acc. to EN 60529. They can therefore be used in all environments where the maximum degree of protection is required for the housing.

Due to their special design, these devices are suitable for use in equipment subjected to cleaning with high pressure hot water jets. These devices meet the IP69K test requirements according to ISO 20653 (water jets with 100 bar and 80°C).

## Additional hinges



To complete the installation, various types of additional hinges are available to be used in a variable number depending on the weight of the guard.

These hinges have the same aesthetic but cost less as they contain no electrical parts.

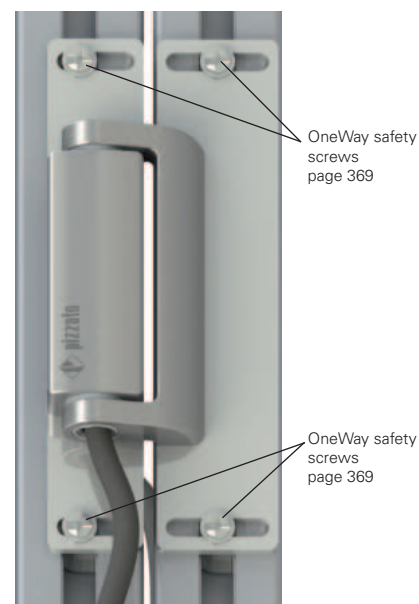
## Application examples



- Switch without mounting plate.
- Rear fixing.
- Cable output at the back.



- Switch with angular mounting plate for slotted profile.
- Fixing with internal screws.
- Output with M12 connector at the bottom.

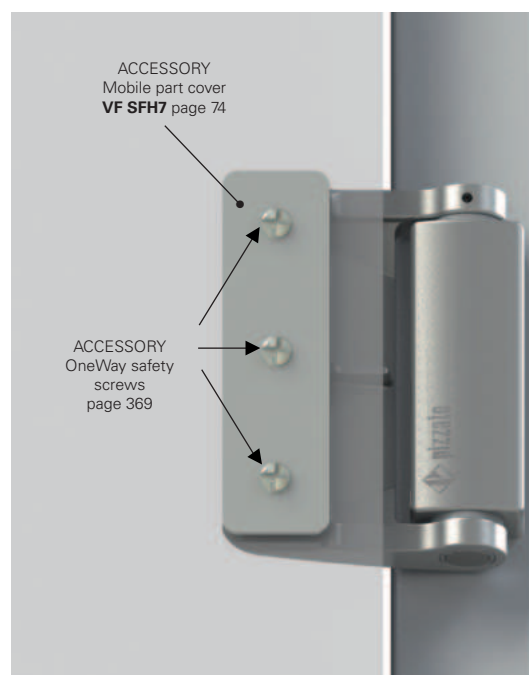


- Switch with straight mounting plate for front slotted profile.
- Fixing with screws at the back.
- Cable output at the bottom.

Closed door

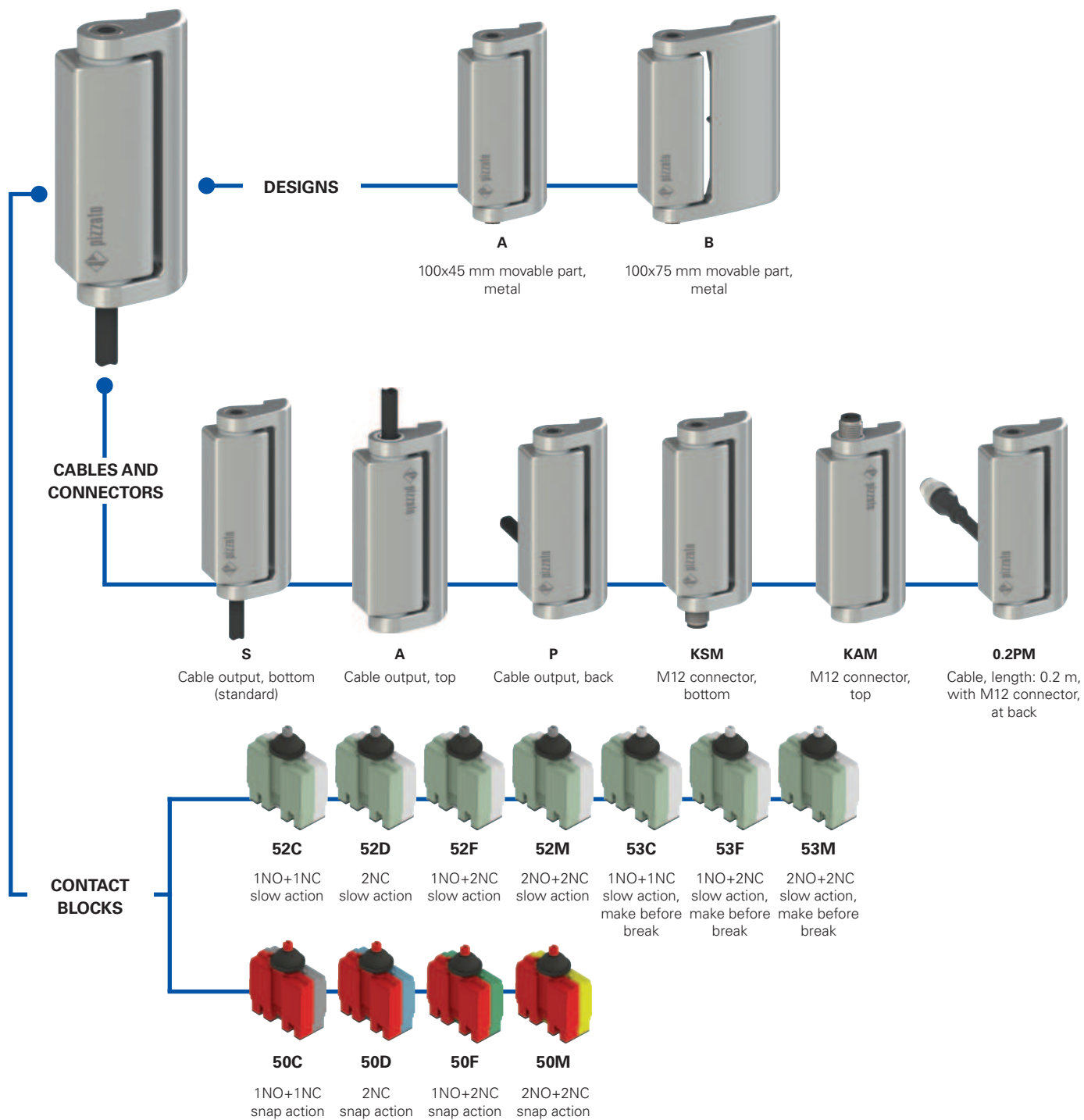


Open door



- Direct fixing to the polycarbonate plate.
- Switch without mounting plate.
- Fixing with internal screws.
- Output with connector at the back.

## Selection diagram



## ADDITIONAL HINGES



—●— 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                      options  
**HP AA052C-2SN****GH15T6**

**Movable part**

<b>A</b>	100x45 mm movable part, metal
<b>B</b>	100x75 mm movable part, metal

**Ambient temperature**

	-25°C ... +80°C
<b>T6</b>	-40°C ... +80°C

**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, make before break
<b>53F</b>	1NO+2NC, slow action, make before break
<b>53M</b>	2NO+2NC, slow action, make before break
<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.

**Connection type**

<b>0.2</b>	cable, length: 0.2 m with M12 connector (available for 0.2 PM versions only)
<b>0.5</b>	cable, length: 0.5 m
<b>...</b>	...
<b>2</b>	cable, length: 2 m (standard)
<b>...</b>	...
<b>10</b>	cable, length: 10 m
<b>K</b>	integrated M12 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
<b>H105</b>	105° activation angle
<b>H120</b>	120° activation angle
<b>H135</b>	135° activation angle
<b>H345</b>	345° activation angle

**Contact type**

	silver contacts (standard)
<b>G</b>	silver contacts with 1 µm gold coating

**Cable or connector type**

<b>N</b>	PVC cable, IEC 60332-1-2 oil-resistant (standard)
<b>E</b>	PVC cable, IEC 60332-1-2 (with 2 contacts only)
<b>H</b>	PUR cable, halogen free
<b>R</b>	cable for railway applications (EN 50306-4)
<b>M</b>	M12 connector

**Output direction, connections**

<b>S</b>	movable part at the right and bottom output
<b>P</b>	movable part at the right and output at the back
<b>A</b>	movable part at the right and output at top
<b>Q</b>	movable part at the left and output at the back

**Code structure for additional hinges**

article                      options  
**HC AA-V46**

**Movable part**

<b>HC AA</b>	100x45 mm
<b>HC AB</b>	100x75 mm
<b>HC LL</b>	65x45 mm

**Ground connection**

	with no ground connection between the fixed part and the moving part (standard)
<b>V46</b>	with ground connection between the fixed part and the moving part



### Main features

- Metal housing, cable output at top, bottom or back
- 4 types of integrated cable available
- Versions with M12 connector
- Protection degrees IP67 and IP69K
- 11 contact blocks with positive opening ☺
- Additional hinges without contacts

### Quality marks:



IMQ approval:	CA02.03746
UL approval:	E131787
CCC approval:	2024010305656746
EAC approval:	RU Д-IT.PA07.B.37848/24

### Technical data

#### Housing

Metal housing, powder-coated  
 Versions with integrated cable, length 2 m, other lengths from 0.5 ... 10 m on request  
 Versions with integrated M12 connector  
 Versions with M12 connector and 0.2 m cable, other lengths from 0.1 ... 3 m on request  
 Protection degree:

IP67 acc. to EN 60529  
 IP69K acc. to ISO 20653 (Protect the cables from direct high-pressure and high-temperature jets)  
 ≥ 300 hours in NSS acc. to ISO 9227

Corrosion resistance in saline mist:

#### General data

"Maximum SIL" up to:	SIL 3 acc. to EN IEC 62061
Performance Level (PL) up to:	PL e acc. to EN ISO 13849-1
Mechanical interlock, not coded:	type 1 acc. to EN ISO 14119
Safety parameters:	
$B_{100}$ :	5,000,000 for NC contacts
Mission time	20 years
Ambient temperature for hinges without cable:	-25°C ... +80°C (standard) -40°C ... +80°C (T6 option)
Ambient temperature for hinges with cable:	See table on page 70
Max. actuation frequency:	1200 operating cycles/hour
Mechanical endurance:	1 million operating cycles
Max. actuation speed:	90°/s
Min. actuation speed:	2°/s
Mounting position:	any
Tightening torque, M5 screws:	3 ... 5 Nm

#### Electrical data

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

#### In compliance with standards:

IEC 60947-5-1, IEC 60947-1, IEC 60204-1, EN ISO 14119, EN ISO 12100, IEC 60529, EN IEC 63000, ISO 20653, UL 508, CSA C22.2 No. 14.

#### Approvals:

EN 60947-5-1, UL 508, CSA C22.2 No. 14, GB/T14048.5

#### Compliance with the requirements of:

Machinery Directive 2006/42/EC, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU.

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

IEC 60947-5-1, EN 60947-5-1.

⚠ If not expressly indicated in this chapter, for correct installation and utilization of all articles see chapter Utilization requirements from page 377 to page 392.

⚠ Important: Switch off the circuit voltage before disconnecting the connector from the switch. The connector is not suitable for separation of electrical loads. According to EN 60204-1, versions with 8-pole M12 (2NO+2NC) connector can be used only in SELV circuits.

### Features approved by IMQ

Rated insulation voltage ( $U_i$ ):	250 Vac
Conventional free air thermal current ( $I_{th}$ ):	10 A (1-2 contacts) / 6 A (2-3 contacts) / 4 A (4 contacts or 5-pole M12 connector)
Protection against short circuits (fuse):	10 A (1-2 contacts) / 6 A (2-3 contacts) / 4 A (4 contacts or 5-pole M12 connector) type gG
Rated impulse withstand voltage ( $U_{imp}$ ):	4 kV
Protection degree of the housing:	IP67
MA terminals (crimped terminals)	
Pollution degree:	3
Utilization category:	AC15 / DC13 (with connector)
Operating voltage ( $U_o$ ):	250 Vac (50 Hz) / 24 Vdc (with connector)
Operating current ( $I_o$ ):	3 A / 2 A (with connector)

Forms of the contact element: X, Y, Zb, X+X, Y+Y, Y+Y+X, X+X+Y, X+X+Y+Y  
 Positive opening contacts on contact blocks 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 compliance with standards: EN 60947-1, EN 60947-5-1, fundamental requirements of the Low Voltage Directive 2014/35/EU.

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

### Features approved by UL

Electrical Ratings:	R300 pilot duty (28 VA, 125-250 Vdc) B300 pilot duty (360 VA, 120-240 Vac) (1-2-3 cont.) C300 pilot duty (180 VA, 120-240 Vac) (4 cont.) 24 Vac, Class 2, 2 A pilot duty (M12 connector) 24 Vdc, Class 2, 0.22 A pilot duty (M12 connector)
Environmental Ratings:	Type 1

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

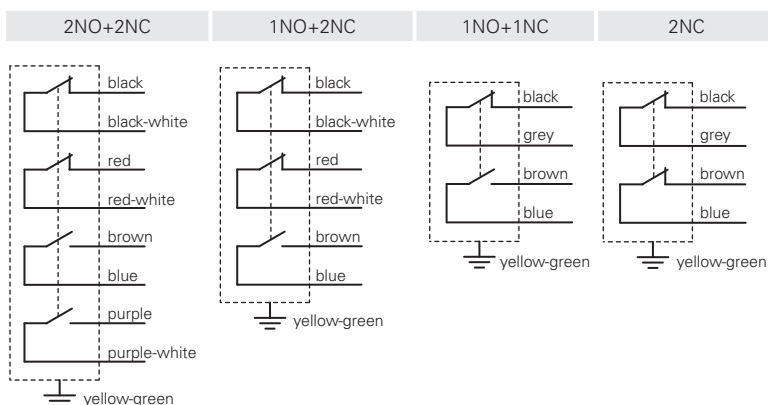


## Ambient temperatures for hinges with cable and electrical data

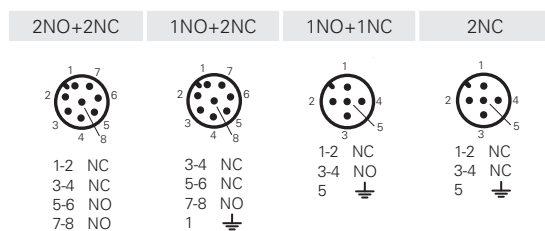
Cable features	Connection type	Output with cable								Output with M12 connector	
	Contact block	2 contacts				3 contacts		4 contacts		2 contacts	3 or 4 contacts
	Cable or connector type	E	N	H	R	N	H	N	R	M12 connector, 5-pole	M12 connector, 8-pole
	Conductors	5x0.75 mm <sup>2</sup>	5x0.75 mm <sup>2</sup>	5x0.75 mm <sup>2</sup>	5x0.5mm <sup>2</sup>	7x0.5 mm <sup>2</sup>	7x0.5 mm <sup>2</sup>	9x0.34 mm <sup>2</sup>	9x0.5 mm <sup>2</sup>	5x0.25 mm <sup>2</sup>	8x0.25 mm <sup>2</sup>
	Application field	General	General	General, mobile installation	Rail	General	General, mobile installation	General	Rail	General	General
	In compliance with standards	H05VV-F	05VV5-F	05EQ-H	EN50306-4 IE-300V 9G0.5 mm <sup>2</sup> MM-90 EN 50306-4 EN 45545	03VV-F	03E7Q-H	03VV-F	EN50306-4 IE-300V 9G0.5 mm <sup>2</sup> MM-90 EN 50306-4 EN 45545	03VV-H	03VV-H
	Sheath	PVC	PVC OIL RESISTANT	PUR HALOGEN FREE	/	PVC OIL RESISTANT	PUR HALOGEN FREE	PVC OIL RESISTANT	/	PVC OIL RESISTANT	PVC OIL RESISTANT
	Self-extinguishing	IEC 60332-1-2	IEC 60332-1-2 UL 758:FT1 CEI 20-22 II	IEC 60332-1-2 UL 758:FT1	IEC 60332-1 EN 50305 EN 50306-1	IEC 60332-1-2 UL 758:FT1 CEI 20-22 II	IEC 60332-1-2 UL 758:FT1	IEC 60332-1-2 UL 758:FT1 CEI 20-22 II	IEC 60332-1 EN 50305 EN 50306-1	IEC 60332-1-2 CEI 20-22 II UL 758:FT1	IEC 60332-1-2 CEI 20-22 II UL 758:FT1
	Oil resistant	/	UL 758 CSA 22.2 N°210	UL 758 CSA 22.2 N°210	/	UL 758 CSA 22.2 N°210	UL 758	UL 758 CSA 22.2 N°210	/	UL 758 CSA 22.2 N°210	UL 758 CSA 22.2 N°210
	Max. speed	/	/	300 m/min	/	/	300 m/min	/	/	50 m/min	50m/min
	Max. acceleration	/	/	30 m/s <sup>2</sup>	/	/	30 m/s <sup>2</sup>	/	/	5 m/s <sup>2</sup>	5m/s <sup>2</sup>
	Minimum bending radius	80 mm	80 mm	80 mm	60 mm	108 mm	80 mm	108 mm	65 mm	75 mm	90 mm
	Outer diameter	8 mm	8 mm	8 mm	6 mm	7 mm	7 mm	7 mm	6.5 mm	6 mm	6 mm
	End stripped	80 mm	80 mm	80 mm	80 mm	80 mm	80 mm	80 mm	80 mm	/	/
	Copper conductors IEC 60228	Class 5	Class 5	Class 6	Class 5	Class 5	Class 6	Class 5	Class 5	Class 6	Class 6
	Engraving	Standard	6268	6280	Standard	6274	6282	6278	Standard	6267	6275

Ambient temperature with cable standard extended (T6)	Cable, fixed installation	-15°C +60°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
	Cable, flexible installation	+5°C +60°C	-5°C +80°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	-15°C +80°C	-15°C +80°C
	Cable, mobile installation	/	/	-25°C +80°C	/	/	-25°C +80°C	/	/	-15°C +80°C	-15°C +80°C
	Cable, fixed installation	/	/	-40°C +80°C	-40°C +80°C	/	-40°C +80°C	/	-40°C +80°C	/	/
	Cable, flexible installation	/	/	-40°C +80°C	-40°C +80°C	/	-40°C +80°C	/	-40°C +80°C	/	/
	Cable, mobile installation	/	/	-40°C +80°C	/	/	-40°C +80°C	/	/	/	/
Electrical data	Thermal current I <sub>th</sub>	10 A	10 A	10 A	6 A	6 A	6 A	3 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 300 Vdc	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	3 A 500 V type gG	4 A 500 V type gG	4 A 500 V type gG	2 A 500V type gG
	Utilization category DC13	24 V	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	/
		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	/
	Utilization category AC15	24 V	4 A	4 A	4 A	4 A	4 A	4 A	3 A	4 A	2 A
		120 V	4 A	4 A	4 A	4 A	4 A	4 A	3 A	4 A	/
		250 V	4 A	4 A	4 A	4 A	4 A	4 A	3 A	4 A	/
	Approvals	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus IMQ EAC CCC	CE cULus EAC

### Internal cable wiring



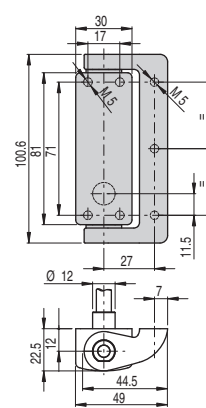
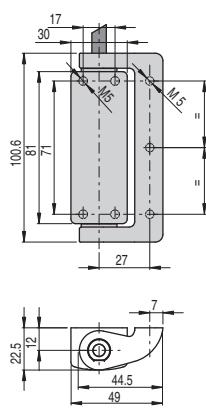
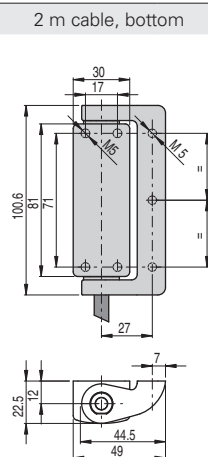
### Connector pin assignment



Female connectors See page 349

Contact type

**L** = slow action  
**LO** = slow action,  
make before  
break

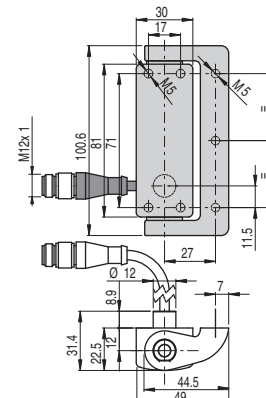
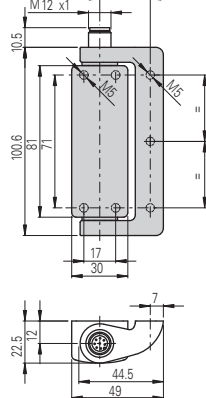
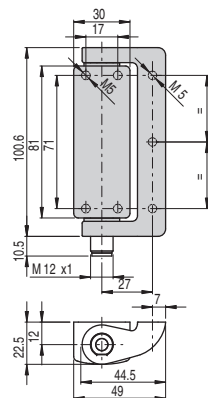


Contact block
































52C		HP AA052C-2SN		1NO+1NC	HP AA052C-2AN		1NO+1NC	HP AA052C-2PN		1NO+1NC
52D		HP AA052D-2SN		2NC	HP AA052D-2AN		2NC	HP AA052D-2PN		2NC
52F		HP AA052F-2SN		1NO+2NC	HP AA052F-2AN		1NO+2NC	HP AA052F-2PN		1NO+2NC
52M		HP AA052M-2SN		2NO+2NC	HP AA052M-2AN		2NO+2NC	HP AA052M-2PN		2NO+2NC
53C		HP AA053C-2SN		1NO+1NC	HP AA053C-2AN		1NO+1NC	HP AA053C-2PN		1NO+1NC
53F		HP AA053F-2SN		1NO+2NC	HP AA053F-2AN		1NO+2NC	HP AA053F-2PN		1NO+2NC
53M		HP AA053M-2SN		2NO+2NC	HP AA053M-2AN		2NO+2NC	HP AA053M-2PN		2NO+2NC
Actuating force		0.3 Nm (0.65 Nm			0.3 Nm (0.65 Nm			0.3 Nm (0.65 Nm		
Travel diagrams		page 74 - group 1			page 74 - group 1			page 74 - group 1		

Contact type

**L** = slow action  
**LO** = slow action,  
make before  
break



Contact block

52C		HP AA052C-KSM		1NO+1NC	HP AA052C-KAM		1NO+1NC	HP AA052C-0.2PM		1NO+1NC
52D		HP AA052D-KSM		2NC	HP AA052D-KAM		2NC	HP AA052D-0.2PM		2NC
52F		HP AA052F-KSM		1NO+2NC	HP AA052F-KAM		1NO+2NC	HP AA052F-0.2PM		1NO+2NC
52M		HP AA052M-KSM		2NO+2NC	HP AA052M-KAM		2NO+2NC	HP AA052M-0.2PM		2NO+2NC
53C		HP AA053C-KSM		1NO+1NC	HP AA053C-KAM		1NO+1NC	HP AA053C-0.2PM		1NO+1NC
53F		HP AA053F-KSM		1NO+2NC	HP AA053F-KAM		1NO+2NC	HP AA053F-0.2PM		1NO+2NC
53M		HP AA053M-KSM		2NO+2NC	HP AA053M-KAM		2NO+2NC	HP AA053M-0.2PM		2NO+2NC
Actuating force		0.3 Nm (0.65 Nm 			0.3 Nm (0.65 Nm 			0.3 Nm (0.65 Nm 		
Travel diagrams		page 74 - group 1			page 74 - group 1			page 74 - group 1		

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





Contact type

**L** = slow action  
**LO** = slow action, make before break

Contact block

		2 m cable, bottom	2 m cable, top	2 m cable, back
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
Actuating force		0.3 Nm (0.65 Nm )	0.3 Nm (0.65 Nm )	0.3 Nm (0.65 Nm )
Travel diagrams		page 74 - group 1	page 74 - group 1	page 74 - group 1

Contact type

**L** = slow action  
**LO** = slow action, make before break

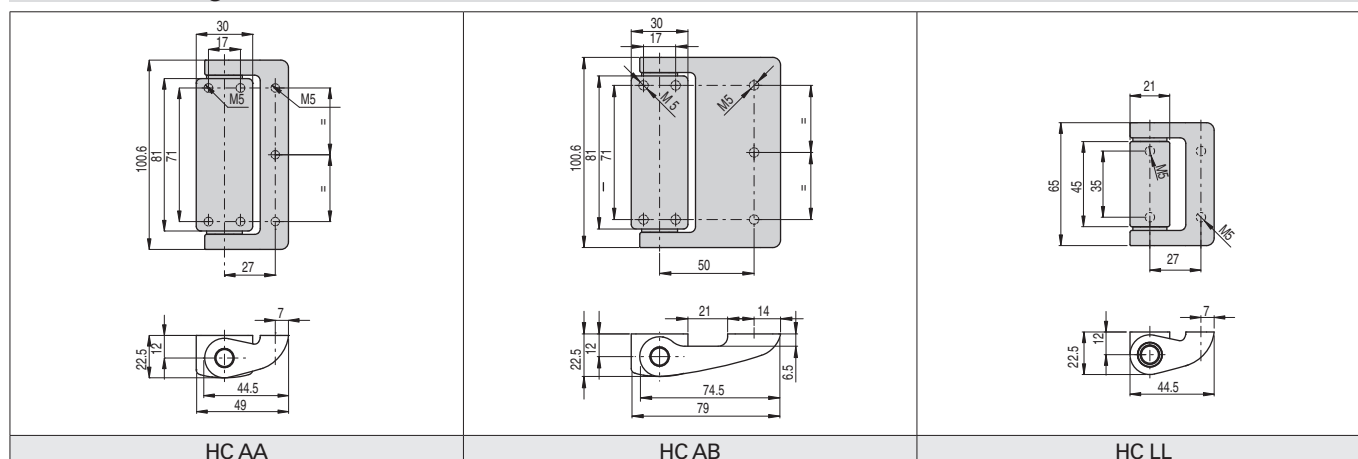
Contact block

		M12 connector, bottom	M12 connector, top	cable (0.2 m) with M12 connector, back
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
Actuating force		0.3 Nm (0.65 Nm )	0.3 Nm (0.65 Nm )	0.3 Nm (0.65 Nm )
Travel diagrams		page 74 - group 1	page 74 - group 1	page 74 - group 1

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

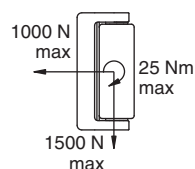


## Additional hinges



## Maximum forces and loads HP AA•••••, HC AA, HC LL

Admitted max. loads,  
independent of utilization  
conditions.



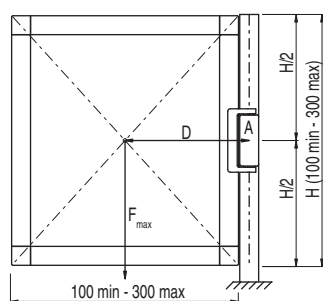
**Attention:** Never exceed the loads listed above under any circumstances.

The loads have been verified by a fatigue test of one million operating cycles with a 90° opening angle.

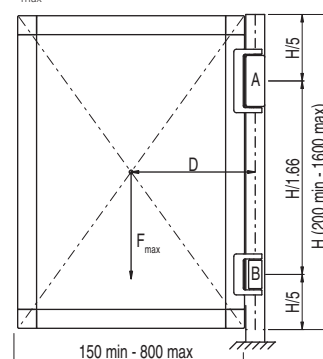
## Legend

- $F_{max}$  Force exerted by the weight of the door (N)  
D Distance from the centre of gravity of the door to the axis of the hinge (mm)  
A Safety hinge  
B Additional hinge

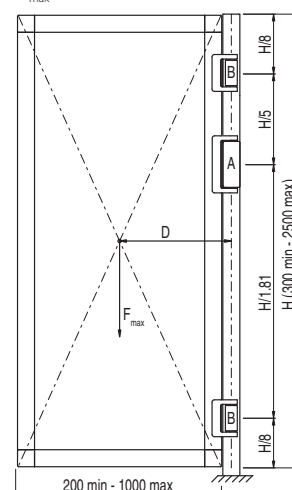
Doors with one safety hinge  
 $F_{max}(N)=25,000/D$  (mm)



Doors with one safety hinge  
and one additional hinge  
 $F_{max}(N)=200,000/D$  (mm)

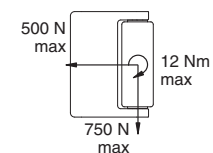


Doors with one safety hinge  
and two additional hinges  
 $F_{max}(N)=250,000/D$  (mm)



## Maximum forces and loads HP AB•••••, HC AB

Admitted max. loads,  
independent of utilization  
conditions.



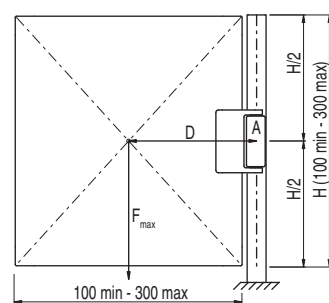
**Attention:** Never exceed the loads listed above under any circumstances.

The loads have been verified by a fatigue test of one million operating cycles with a 90° opening angle.

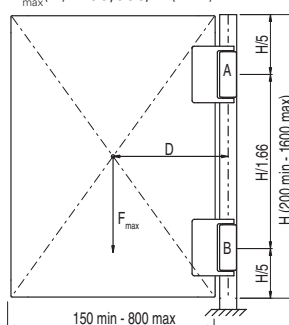
## Legend

- $F_{max}$  Force exerted by the weight of the door (N)  
D Distance from the centre of gravity of the door to the axis of the hinge (mm)  
A Safety hinge  
B Additional hinge

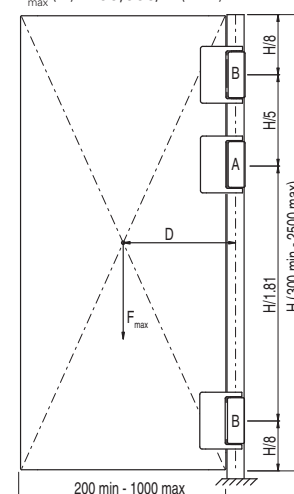
Doors with one safety hinge  
 $F_{max}(N)=12,500/D$  (mm)




Doors with one safety hinge  
and one additional hinge  
 $F_{max}(N)=100,000/D$  (mm)



Doors with one safety hinge  
and two additional hinges  
 $F_{max}(N)=200,000/D$  (mm)



## Accessories

Article	Description
VF AC7032	Protection cap for adjustment screw
	The cap is supplied with every hinge and must always be inserted after the adjustment of the switching point. In case of loss or damage, the cap can be ordered separately.

All values in the drawings are in mm

Accessories See page 349

→ The 2D and 3D files are available at [www.pizzato.com](http://www.pizzato.com)

