



1 INFORMATION ON THIS DOCUMENT

1.1 Function

The present instruction sheet provides information on installation, connection and safe use of the FG series safety switch having an interlocking function with or without guard locking, according to EN ISO 14119.

1.2 Addressed to: qualified personnel only

The operations of the present instruction sheet must exclusively be carried out by qualified personnel which is perfectly able to understand them and has been duly authorised.

2 SYMBOLS USED

This symbol indicates any relevant additional information

Attention: Any failure to observe this warning note can cause damage or malfunction, including possible loss of the safety function.

3 FITTING INSTRUCTIONS

3.1 Actuator

Attention: The switch is activated by a low level coded actuator. The additional specifications laid down in standard EN ISO 14119 must be adhered to during installation. Moreover, any other actuators present in the same place where the switch has been installed must be segregated and kept under strict control in order to avoid any elusion of the safety device.

3.2 Selection of the operating principle

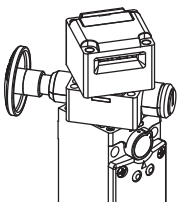
Attention: The switch is available with two working principles:
Working principle D: locked actuator with de-energised solenoid.
Working principle E: locked actuator with energised solenoid.
Working principle D maintains the door lock even if the machine is disconnected from the power supply. Therefore if the machine has dangerous movements with inertia, inaccessibility to dangerous parts (door locked) is ensured, even in the event of a sudden power failure. On the contrary, if the machine structure allows a person to enter the danger area with the whole body and possibly end up being stuck inside the machine, the switch must be provided with an anti-panic release button (Escape release), in order to allow the trapped person to get out even in case of power failure. Operation principle E keeps the door lock only when the machine is connected to the power supply. Therefore, before choosing this operation principle, carefully evaluate all dangers deriving from sudden power failure with a consequent possible immediate door release.

In case of machines without inertia, i.e. with dangerous elements being immediately locked as soon as the protection is opened, for which a door-lock switch has been chosen merely to safeguard the production process, operation principle D or E can be used indifferently.

3.3 Device adjustment

If necessary, it is possible to adjust the position of the head and the release device (if present) in order to turn the device to the position best suited to the application.

Completely remove the 4 screws from the head to turn either the head or the release device independently of each other in steps of 90°.

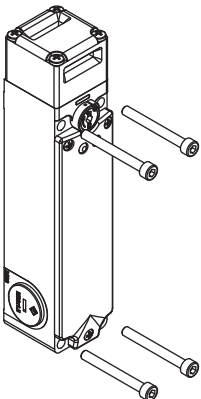


Attention: Once adjustment is complete, re-tighten the head screws with a torque between 0.8 and 1.2 Nm.

Attention: The device must be fixed to the machine by means of 4 M5 screws with a length of 45 mm or more. The device must never be fixed with less than 4 screws. The 4 screws chosen for fixing must be able to withstand a pull greater than 5,000 N exerted on the actuator. Tightening torque of the 4 M5 screws from 2 to 3 Nm

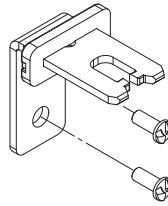
It is advisable to install the device in the top part of the door, in order to prevent any dirt or work residues from getting inside the hole where the actuator is to be introduced.

In order to avoid device bypassing it is advisable to fix the switch body to the machine frame so that it cannot be removed.



3.4 Fixing the actuator to the door

Please make sure to use only the actuator provided with the switch or use one of the following actuators: VF KEYF20, VF KEYF21, VF KEYF22, VF KEYF28. The use of any other actuator does not guarantee the safety of the system. Install the actuator so as not to injure the operator when the door is open. The two actuator fixing screws must be able to withstand a pull greater than 5,000N exerted on the actuator.

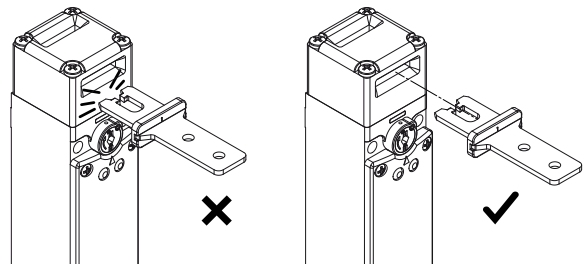


Attention: As required by EN ISO 14119, the actuator must be fixed immovably to the door frame.

Pan head safety screws with one-way fitting are available for this purpose. With this screw type, the actuators cannot be removed or tampered by using common tools. Do not deform or modify the actuator during installation for any reason.

For correct fixing, other means can also be used, such as rivets, non-removable security screws or other equivalent fixing system, as long as these are able to withstand pulling forces above 5,000 N.

3.5 Switch-actuator alignment



Attention: Periodically check the correct alignment between the switch and the respective actuator. The actuator must not knock on the outside of the actuator inlet area, and must not be used as a centring device for the mobile protection.

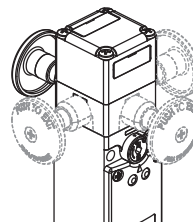
In the event of application on hinged doors, check that the radius between the actuator axis and the axis of the hinge fitted to the door is greater than 400 mm where a VF KEYF20, VF KEYF21 or VF KEYF22 actuator is used, or above 80 mm where a VF KEYF28 actuator is used.

Actuators VF KEYF20, VF KEYF21 and VF KEYF22 have a maximum clearance of 1mm in the vertical and horizontal directions to the switch input hole.

The VF KEYF28 actuator has a maximum clearance of 2 mm in the vertical and horizontal directions to the switch input hole.

Do not use a hammer for the adjustments, unscrew the screws and adjust the device manually, then tighten it in position.

3.6 Emergency release button (Escape release)

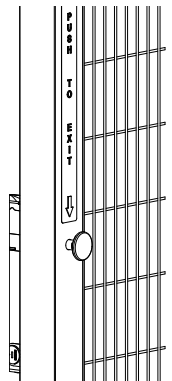


Some of the switch versions are equipped with a release button in order to allow any personnel accidentally trapped inside the machine to get out. This button, complying with the EN ISO 14119 standard, directly acts on the lock mechanism and immediately releases the actuator regardless of the state of the device. This button unlocks the guard even if the device is not powered on.

Operating the emergency release button switches the electromagnet contacts only.

For correct installation of the anti-panic release button, the following instructions are to be observed:

- The release button must be clearly visible from inside the machine
- Button activation must be easy, immediate and independent from the machine operating status. To help you recognise the button and explain its function, identification stickers are available in various languages. Please contact our sales offices for more information (see paragraph SUPPORT).
- The release button must not be easy to activate by an operator standing outside the machine, when the door is closed.
- To guarantee correct operation and easy resetting, a distance ranging from 10 to 25 mm must be kept between the wall from where the button protrudes and the release button.
- Keep clean the release push button slipping area, since dirt or chemical products could compromise the device operation.
- Check the button periodically (at least once a year) for correct operation.
- Train the personnel concerned on correct button operation, so as to avoid any



- improper use (i.e. the button must not be used as a clothes-hook).
- The release button must not be used as a machine emergency stop.
 - For installation on walls thicker than 15 mm, VF FG-LP30, VF FG-LP40, and VF FG-LP60 version release buttons are available for 30 mm, 40 mm, and 60 mm wall thicknesses respectively.
 - For installation on walls thicker than 60 mm, the VF FG-LPRG version release button with adjustable length via an M10 threaded bar is available.
- For correct installation of the adjustable release button, the following rules must be observed:
- Do not exceed an overall length of 500 mm between the release button and the switch.
 - Always use thread locker on each threaded coupling between the button, threaded bar, and switch.
 - Avoid twisting or bending the release button. Where necessary use an appropriate sliding guide (pipe or bushing) with a 18+/-0.5 mm internal diameter, where button and its extensions have an overall length greater than 60 mm.

3.7 Access monitoring

This switch alone is not sufficient to protect any operators or maintenance engineers in the event that they are able to physically enter the danger area with their whole body, since any unintentional closing of a guard behind them could allow the machine to be restarted.

In case the machine restarting control is entirely entrusted to this switch, a device must be provided to avoid that risk, such as a lock-out system which stops the machine from being restarted.

A specifically designed lock-out device is available as an accessory for the switch, which prevents any unintentional machine start up with the operator still inside.

Please contact our sales offices for more information (see paragraph SUPPORT).

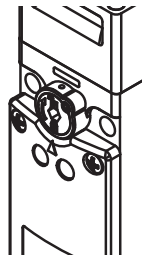
3.8 Auxiliary release with a tool or a lock

Some of the switch versions are provided with an auxiliary release in order to allow an easy installation (release with a tool) or the opening only to authorised personnel (lock release). Both these mechanical devices act inside the switch like the anti-panic release button described previously. Therefore they also unlock the guard in case of power failure.

Operating the auxiliary release will switch the electromagnet contacts only. These release devices may only be operated by a machine maintenance engineer who has received adequate training on the dangers deriving from their use.

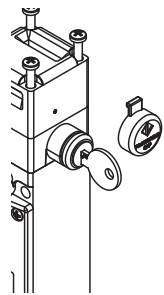
How to use the auxiliary release with a tool:

- Unscrew the locking screw with a PH1 cross-head screwdriver
- Turn the hexagonal-hole bush clockwise by 180°
- Do not force the bush beyond 180°
- To avoid any improper use of the auxiliary device with a tool, it is advisable to seal the device through the appropriate hole found in the upper part, or to seal the screw cross head with a few drops of paint.
- After each actuation, it is advisable to reseal the device.
- For particular applications, versions are available without any auxiliary release device.

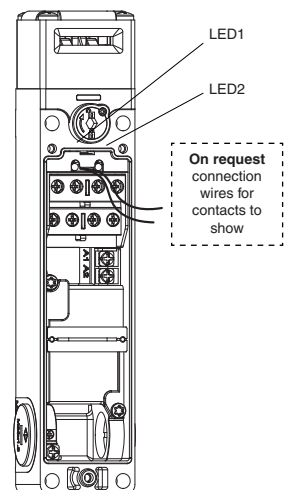


How to use the auxiliary lock release:

- Open the protection cap.
- Insert the key supplied with the switch and turn clockwise by 180°.
- Do not force the key beyond 180°.
- Each time after the key is extracted, close the rubber cap.
- The release key must only be available to the machine maintenance engineer and kept in a secluded place.
- The release key must not be available to the machine operator.
- For particular applications, versions are available without any auxiliary release device.

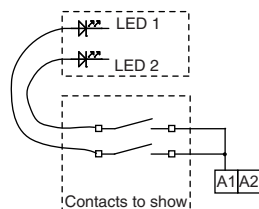


3.9 State signalling LEDs



This switch may be supplied with two green LEDs to show from the outside of the switch the solenoid supply state. Wiring is not necessary. On request, it is also available a version with the two LEDs in different colours showing the contact state.

In this case the LEDs are supplied by two wires to be connected between the selected contacts and the A1 supply terminal.



4 OPERATION

4.1 Definitions

The structure of these switches allows them to operate in three different states (see table 1) or:

- state A : with inserted and locked actuator
- state B : with inserted but not locked actuator
- state C : with extracted actuator

All or some of these states can be monitored via positive opening electric contacts (NC contacts), depending on the respective article version. In particular, electric contacts that are identified by the solenoid symbol () are switched in the transitions between state A and state B (and vice versa), while the electric contacts identified by the actuator symbol () are switched in the transitions between state B and state C (and vice versa).






When the switch is in C state, any activation or deactivation of the solenoid does not influence the contacts' position of the solenoid itself ().

All NC contacts of these switches are with positive opening and can be used for safety circuits whereas NO contacts are normally used for signalling (see table 2). Table 2 shows the switch contacts in state A. When the switch is used in order to lock guards on machines with inertia, the safety circuit must be connected to the switch contacts activated by the solenoid (), which are closed when the actuator is inserted and locked (state A). In this way you will be sure to be able to start the machine only when guards are closed and locked.

If these switches are instead used for a general guards control and the machine stops before the operator could enter the hazardous areas, then it is possible to use in the safety circuit also NC contacts activated by the actuator ().

Working principle D with normally de-energised solenoid			
Operating state	State A	State B	State C
Actuator ()	Inserted and locked	Inserted and released	Extracted
Solenoid ()	De-energised	Energised	Indifferent
Working principle E with normally energised solenoid			
Operating state	State A	State B	State C
Actuator ()	Inserted and locked	Inserted and released	Extracted
Solenoid ()	Energised	De-energised	Indifferent

Articles	Contacts activated by the solenoid		Contacts activated by the actuator		Articles	Contacts activated by the solenoid		Contacts activated by the actuator	
	1NO+1NC	1NO+1NC	1NO+1NC	1NO		2NO+1NC	1NO	1NO	2NO
FG 60A**** 	33-34	21-22	43-44	11-12	FG 60M**** 	33-34 43-44	21-22	13-14	
FG 60B**** 	2NC	1NO+1NC	43-44	31-32	FG 60N**** 	13-14	21-22	33-34	43-44
FG 60C**** 	3NC	1NC	41-42		FG 60P**** 	31-32		11-12 41-42	21-22
FG 60D**** 	1NO+1NC	2NC	31-32	41-42	FG 60R**** 	33-34 43-44	11-12 21-22		
FG 60E**** 	1NO+2NC	1NC	31-32		FG 60S**** 	11-12		33-34 43-44	21-22
FG 60F**** 	1NO+2NC	1NO	43-44		FG 60T**** 	11-12		43-44	21-22 31-32
FG 60G**** 	2NC	2NC	31-32	41-42	FG 60U**** 	/			11-12 31-32
FG 60H**** 	4NC	/	/	/	FG 60V**** 	11-12	21-22	33-34	43-44
FG 60I**** 	3NC	1NO	43-44		FG 60X**** 	13-14		21-22 41-42	31-32
FG 60L**** 	2NO+1NC	1NC	11-12		FG 60Y**** 	43-44		33-34	11-12 21-22

Articles	Contacts activated by the solenoid 	Contacts activated by the actuator 	Articles	Contacts activated by the solenoid 	Contacts activated by the actuator 
FG 61A****	/	1NO+3NC	FG 61G****	2NO	1NO+1NC
	/	43-44 11-12 21-22 31-32		33-34 43-44	13-14 21-22
FG 61B****	/	2NO+2NC	FG 61H****	2NO	2NC
	/	11-12 21-22 33-34 43-44		43-44 31-32	11-12 21-22
FG 61C****	/	3NO+1NC	FG 61M****	3NO	1NC
	/	13-14 33-34 43-44		13-14 33-34 43-44	21-22
FG 61D****	1NC	3NO	FG 61R****	1NO+3NC	/
	 21-22	13-14 33-34 43-44		43-44	43-44 11-12 21-22 31-32
FG 61E****	1NO	2NO+1NC	FG 61S****	3NO+1NC	/
	13-14	33-34 43-44		21-22	13-14 33-34 43-44

The versions with solenoid actuated NC contacts are considered interlocks with locking in accordance with ISO 14119, and the product's label is marked with the symbol shown.



5 INSTRUCTIONS FOR PROPER USE OF THE DEVICE

5.1 Installation

Attention: Installation must be carried out by qualified staff only.

- Do not deform or modify the device for any reason.
- Do not exceed the tightening torques specified in the present manual.
- The device carries out an operator protection function. Any inadequate installation or tampering can cause people serious injuries and even death.
- These devices must be neither bypassed (for example by bridging the contacts), nor removed, nor turned or rendered ineffective in any other way.
- If the machine where the device is installed is used for a purpose other than that specified by the producer, the switch may not provide the operator with efficient protection.
- Before commissioning the machine, and periodically, check for correct switching of the outputs and correct operation of the system comprising the device and associated safety circuit.
- The safety category of the system comprising the safety switch also depends on external devices and their connection.
- Before installation, make sure the device is not damaged in any part.
- Before installation, ensure that the connection cables are not powered.
- Avoid excessive bending of connection cables in order to prevent any short circuits or power failures.
- Do not paint or varnish the device.
- Do not introduce polluting agents into the device as: talc, lubricants for cable sliding, powder separating agents for multipolar cables, small strands of copper and other pollutants that could affect the proper functioning of the device.
- Do not perforate the device; to insert electrical cables only use one of the three M20x1.5 threaded cable inlets in the device. Do not use the device as a support or rest for other structures, such as raceways, sliding guides or similar.
- Before commissioning, make sure that the entire machine or system complies with all applicable standards and EMC directive requirements.
- Before closing the device cover verify the correct positioning of the gaskets.
- Verify that the electrical cables, wire-end sleeves, cable numbering systems and any other parts do not obstruct the cover from closing correctly or if pressed between them do not damage or compress the internal contact block.
- Do not apply excessive force on the device after the actuator has been fully inserted.
- The switch fitting surface must always be smooth and clean.
- The documents necessary for a correct installation and maintenance are always available in the following languages: English, French, German and Italian.
- Should the installer be unable to fully understand the documents, the product must not be installed and the necessary assistance may be requested (see paragraph SUPPORT).
- When the device is installed on a mobile frame and the actuator is installed on a mobile door, ensure that the device cannot be damaged by simultaneous opening of the frame and the door.
- During and after the installation do not pull the electrical cables connected to the device. If high traction is applied to the cables (not supported by an appropriate cable gland) the device contact block may be damaged.
- After installation, check for correct operation of the auxiliary release (if present) and the anti-panic release button (if present).
- Always attach the following instructions to the manual of the machine in which the device is installed.
- These operating instructions must be kept available for consultation at any time and for the whole period of use of the device.

5.2 Do not use in the following environments

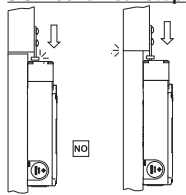
Attention: Do not use in environments where dust and dirt may in any way penetrate the head and deposit there. In particular where metal dust, concrete or chemicals are spread.

- Do not use in environments where continual changes in temperature cause the formation of condensation inside the device.
- Do not use in environments where the application causes the device to be subjected

to strong impacts or vibrations.

- Do not use in environments where explosive or flammable gases are present.
- Do not use in environments where ice can form on the device.
- Do not use in environments containing strongly aggressive chemicals, where the products used coming into contact with the device may impair its physical or functional integrity.

5.3 Mechanical stop



- The door must always be provided with an independent end-limit mechanical stop on closing. All this to protect the device from being knocked when the door is slammed hard.
- Do not use the switch as a mechanical stop for the door, as laid down in EN ISO 14119.

5.4 Shock, vibrations and wear

- In case of damages or wear it is necessary to change the whole device.
- Avoid any impact with the device. Excessive shock and vibrations may affect the correct operation of the device.

5.5 Maintenance



Attention: Do not disassemble or try to repair the device. In case of any malfunction or fault, replace the entire device.



Attention: Correct operation cannot be guaranteed when the device is deformed or damaged.

The installer is responsible for establishing the sequence of functional tests to which the installed device is to be subject for a complete maintenance. The testing sequence can vary according to the machine complexity and circuit diagram, therefore the functional test sequence detailed below is to be considered as minimal and not exhaustive.

At least once a year or after prolonged stoppage, carry out the following checking operations:

- Lock the protection and start the machine. It must be impossible to open the guard.
- When the machine is stopped and the guard is open, the machine must not start.
- When the escape release button (if present) is pressed, the protection must open freely and the machine must not start. Each time the release button is activated, the machine must stop and the door must open immediately. The release button must slide freely, without sticking, and be tightly screwed in. The signs placed inside the machine, indicating the function of the release button (if present), must be intact, clean and clearly readable.
- When the auxiliary release (if present) is activated, the protection must open freely and the machine must not start.
- If the machine has any inertia following switch-off, it must not be possible to restart it with guard closed but not locked.
- All external parts must be undamaged.
- If the device is damaged, replace it completely.
- The actuator must be securely locked to the door; make sure that none of the machine operator's tools can be used to disconnect the actuator from the door.
- The device has been created for applications in dangerous environments, therefore its operation is limited over time. Although still functioning, after 20 years from the date of manufacture the device must be replaced completely. The date of manufacture is placed next to the product code (see paragraph 5.10 – MARKING).

5.6 Caution when wiring

- Check that the supply voltage is correct before powering the device.
- Keep the load within the values specified in the electrical operation categories.
- Disconnect the power supply before accessing the device connections.
- Only connect and disconnect the device when the power is off.
- Do not open the internal device cover under any circumstances.
- Discharge static electricity before handling the product by touching a metal mass connected to earth. Any strong ESD discharge could damage the device.
- Always connect the protection fuse (or equivalent device) in series with the power supply for each device (see paragraph 6.3 – ELECTRICAL DATA).
- Comply with the minimum and maximum sections of electrical conductors admitted by terminals. The device contains two internal screw terminals for connecting the following wire types:
min. 1 x 0.34 mm² (1 x AWG 22)
max. 2 x 1.5 mm² (2 x AWG 16)

5.7 Additional prescriptions for safety applications with personal protection functions

Provided that all previous requirements for the devices installed for safety application are fulfilled, further additional prescriptions have to be observed:

- In any event utilization implies compliance with and awareness of standards EN ISO 14119, IEC 60204-1, EN-ISO-13849, EN-62061, EN ISO 13850, ISO 12100.
- Periodically verify the correct working of the safety devices; the periodicity of this verification is settled by the machine manufacturer based on the machine danger degree and it does not have to be less than one a year.

5.8 Utilization limits

- The device can be used as a component within a system having safety category 4 / PLe according to EN ISO 13849-1 standard and integrity level SIL CL 3 according to EN 62061 standard.

- Use the device following the instructions, complying with its operation limits and the standards in force.
- The devices have specific application limits (min. and max. ambient temperature, mechanical endurance, protection degree, etc.) These limitations are met by the device only if considered individually and not as combined with each other. The manufacturer's liability is to be excluded in the following cases:
- Use not conforming to the intended purpose.
- Failure to observe safety instructions.
- Fitting operations not carried out by qualified and authorized personnel.
- Omission of functional tests.

For the cases listed below, contact our assistance service (see paragraph SUPPORT):

- In nuclear power stations, trains, airplanes, cars, incinerators, medical devices or any application where the safety of two or more persons depend on the correct operation of the device.
- Applications, which are not contemplated in the instruction sheet.

5.9 Functional tests before commissioning the device

The device installer is responsible for establishing the sequence of functional tests to which the installed device is to be subject before machine commissioning. The testing sequence can vary according to machine complexity and circuit diagram, therefore the functional test sequence given is to be considered minimal and non-exhaustive. The sequence of functional tests to be executed prior to commissioning is the same as the maintenance sequence listed in point 5.5

5.10 Marking

The outside of the device is provided with external marking positioned in a visible place. Marking includes:

- Producer trademark
- Product code
- Batch number and date of manufacture. Example: A14 FG1-411. The batch's first letter refers to the month of manufacture (A=January, B=February, etc.). The second and third letters refer to the year of manufacture (14 =2014, 15=2015, etc...).

6 TECHNICAL DATA

6.1 Housing

Metal head and housing, baked powder coating.

Three threaded conduit entries:	M20x1.5
Protection degree:	IP67 acc. to EN 60529 with cable gland with equal or higher protection degree

6.2 General data

For safety applications up to:	SIL 3 acc. to EN 62061 PL e acc. to EN ISO 13849-1
Interlock with mechanical lock, coded: type 2	acc. to EN ISO 14119
Coding level:	Low acc. to EN ISO 14119

Safety parameters:

B10d:	5,000,000 for NC contacts
Mission time:	20 years
Ambient temperature:	-25°C ... +60°C
Max. actuation frequency:	600 operating cycles/hour
Mechanical endurance:	1 million operating cycles ¹
Max. actuation speed:	0.5 m/s
Min. actuation speed:	1 mm/s
Maximum breaking force F1max:	2800 N acc. to EN ISO 14119
Max. holding force FZh:	2150 N acc. to EN ISO 14119
Maximum clearance of locked actuator:	4.5 mm along insertion axis.
Released actuator extraction force:	30 N

(1) One operation cycle means two movements, one to close and one to open contacts, as defined in EN 60947-5-1.

6.3 Electrical data

Without connector:	
Thermal current (Ith):	10 A
Rated insulation voltage (Ui):	400 Vac 300 Vdc
Rated impulse withstand voltage (Uimp):	6 kV
Conditional short circuit current:	1000 A acc. to EN 60947-5-1
Protection against short circuits:	type gG fuse 10 A 500 V
Pollution degree:	3

With M23, 12 pole connector:

Thermal current (Ith):	8 A
Rated insulation voltage (Ui):	250 Vac 300 Vdc
Protection against short circuits: fuse	8 A 500 V type gG
Pollution degree:	3

With M12, 12 pole connector:

Thermal current (Ith):	1.5 A
Rated insulation voltage (Ui):	30 Vac 36 Vdc
Protection against short circuits:	type gG fuse 1.5 A
Pollution degree:	3

6.4 Compliance with standards

IEC 60947-5-1, EN 60947-5-1, EN 60947-1, IEC 60204-1, EN 60204-1, EN ISO 14119, EN ISO 12100, IEC 60529, EN 60529, EN 61000-6-2, EN 61000-6-3, BG-GS-ET-15, UL 508, CSA 22.2 N. 14.

6.5 Compliance with the requirements of:

Machinery Directive 2006/42/EC
EMC Directive 2004/108/EC.

6.6 Positive contact opening in conformity with standards:

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

6.7 Solenoid

Duty cycle:	100% ED
Solenoid protection 12 V:	type gG fuse 1 A
Solenoid protection 24 V:	type gG fuse 0.5 A
Solenoid protection 120 V:	fuse 315 mA, delayed
Solenoid protection 230 V:	fuse 315 mA, delayed
Solenoid consumption:	9 VA

6.8 Utilization categories

Without connector:

Alternating current: AC15 (50÷60 Hz)			
Ue (V)	120	250	400
Ie (A)	6	5	3
Direct current: DC13			
Ue (V)	24	125	250
Ie (A)	3	0.7	0.4

With M23, 12 pole connector:

Alternating current: AC15 (50÷60 Hz)			
Ue (V)	120	250	
Ie (A)	6	5	
Direct current: DC13			
Ue (V)	24	125	250
Ie (A)	3	0.7	0.4

With M12, 12 pole connector:

Alternating current: AC15 (50÷60 Hz)			
Ue (V)	24		
Ie (A)	1.5		
Direct current: DC13			
Ue (V)	24		
Ie (A)	1.5		

7 SPECIAL VERSIONS ON REQUEST

Special versions of the device are available on request.

These special versions may differ substantially from the indications in this instruction sheet.

The installer must ensure that he has received written information from the support service regarding use of the special version requested.

8 DISPOSAL

At the end of service life product must be disposed of properly, according to the rules in force in the country in which the disposal takes place.

9 SUPPORT

The device has been created for safeguarding people's physical safety, therefore in case of any doubt concerning installation or operation methods, always contact our technical support service:

Pizzato Elettrica Srl - Italy
Via Torino, 1 - 36063 Marostica (VI)
Telephone +39.0424.470.930
Fax +39.0424.470.955
E-mail tech@pizzato.com
www.pizzato.com

Our support service provides assistance in Italian and English.

10 EC CONFORMITY DECLARATION

I, the undersigned, as a representative of the following manufacturer:

Pizzato Elettrica s.r.l. , Via Torino, 1 - 36063 Marostica (VI) - Italy hereby declare that the product is in conformity with whatever prescribed by the 2006/42/EC Machine Directive. The complete version of the present conformity declaration is available on our website www.pizzato.com
Mr. Pizzato Giuseppe

Disclaimer:

Subject to modifications without prior notice and errors excepted. The data given in this sheet are accurately checked and refer to typical mass production values. The device descriptions and its applications, the fields of application, the external control details, as well as information on installation and operation, are provided to the best of our knowledge. This does not in any way mean that the characteristics described may entail legal liabilities extending beyond the "General Terms of Sale", as stated in the Pizzato Elettrica general catalogue. Customers/users are not absolved from the obligation to read and understand our information and recommendations and pertinent technical standards, before using the products for their own purposes. Taking into account the great variety of applications and possible connections of the device, the examples and diagrams given in the present manual are to be considered as merely descriptive; the user is deemed responsible for checking that the specific application of the device complies with current standards. This document is a translation of the original instructions. In case of discrepancy between the present sheet and the original copy, the Italian version shall prevail. The present manual may not be reproduced, in whole or in part, without the prior written permission by Pizzato Elettrica.
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