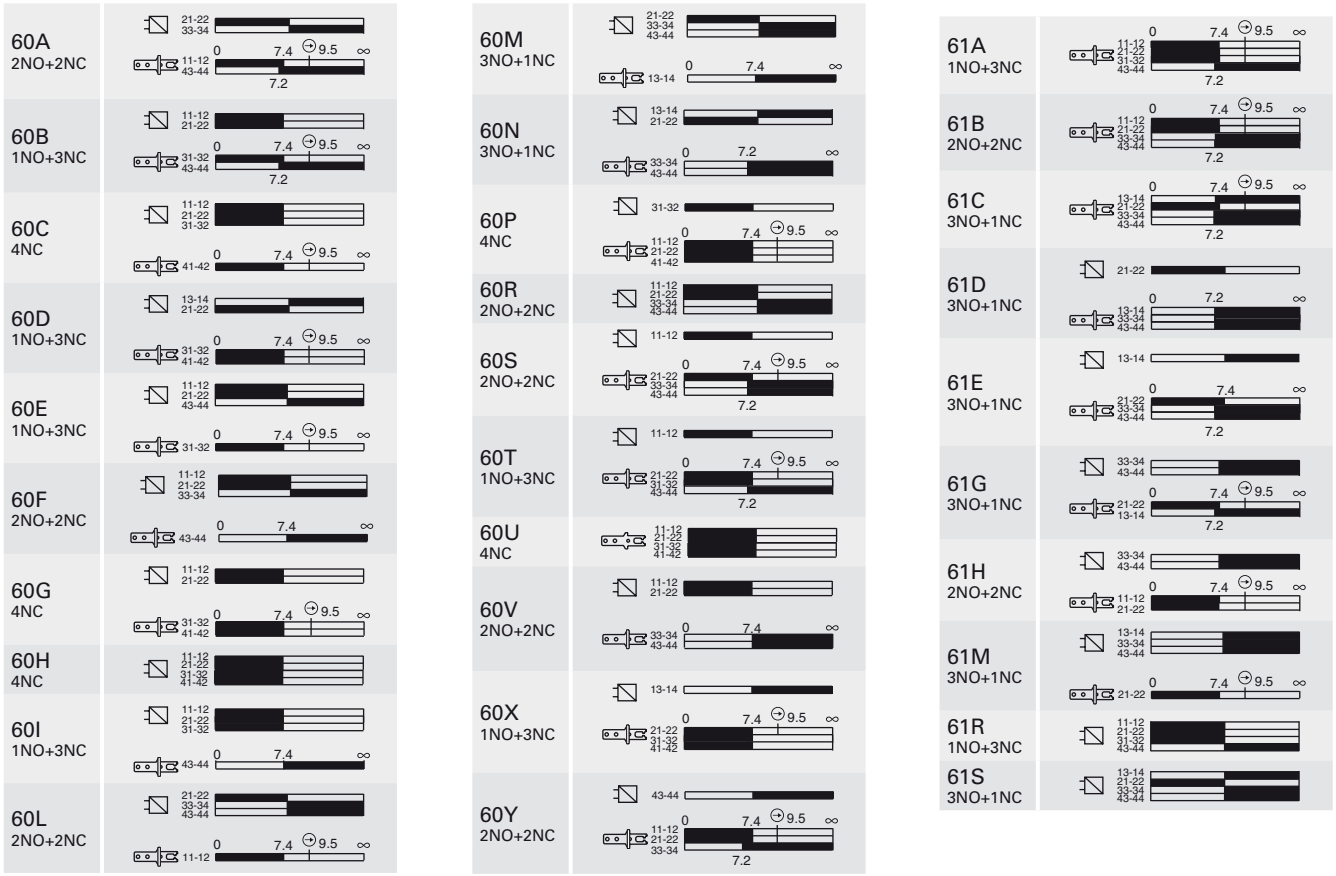
Safety switches **with solenoid and separate actuator**

Travel diagrams table

All measures in the drawings are in mm



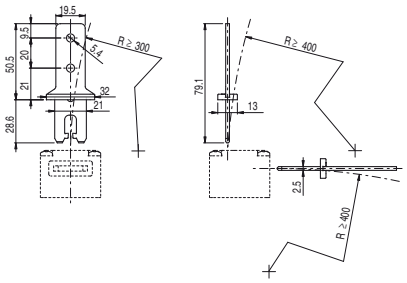
Legend:

- Closed contact
- Open contact
- Contacts activated by the actuator
- Contacts activated by the solenoid
- Positive opening travel

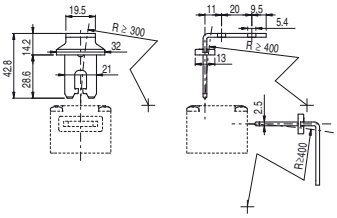
Stainless steel actuators

IMPORTANT: These actuators must be used with items of the FG series only (e.g. FG 60AD1D0A).
Low level of coding acc. to EN ISO 14119.

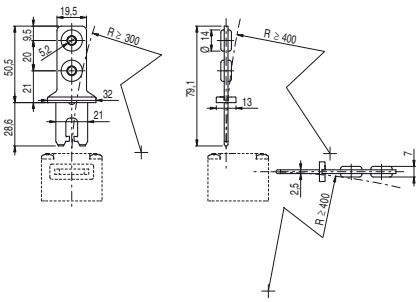
Article	Description
VF KEYF20	Straight actuator



Article	Description
VF KEYF21	Angled actuator



Article	Description
VF KEYF22	Actuator with rubber mountings



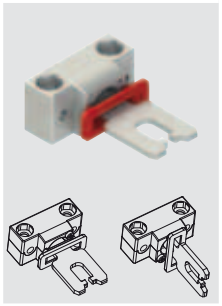
Items with code on **green** background are stock items

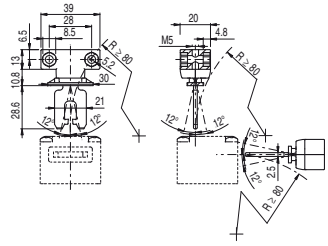
Accessories See page 287

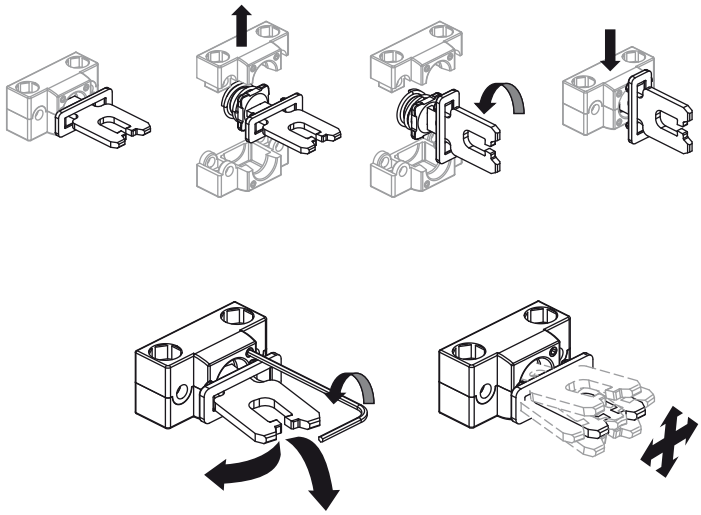
Universal actuator VF KEYF28

IMPORTANT: These actuators must be used with items of the FG series only (e.g. FG 60AD1D0A).
Low level of coding acc. to EN ISO 14119.

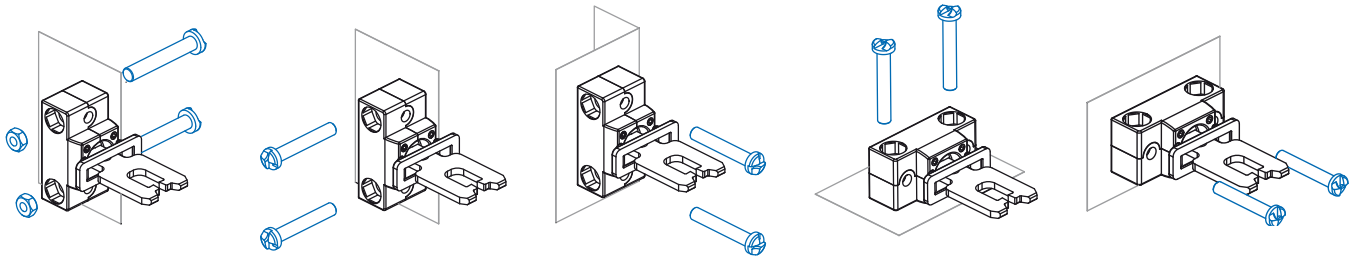
Article	Description
VF KEYF28	Universal actuator







Joined and two directions adjustable actuator for doors with reduced dimensions.
The actuator has two couples of fixing holes and it is possible to rotate by 90° the actuator-working plan.



Accessories for sealing

Pliers, steel wire and lead seals used to seal the auxiliary release device (versions D1D and D7D only).

Article	Description
VF FSPB-200	Pack of 200 lead seals
VF FSPB-10	Pack of 10 lead seals

Article	Description
VF FSFI-400	400 metre wire roll
VF FSFI-10	10 metre wire roll

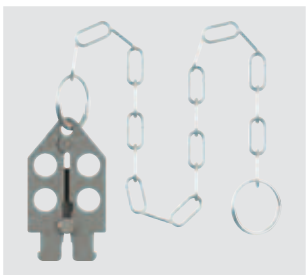
Article	Description
VF FSPZ	Pliers without logo

Utilization limits

Do not use where dust and dirt may penetrate in any way into the head and deposit there, in particular where metal dust, concrete or chemicals are spread. Adhere to the EN ISO 14119 requirements regarding low level of coding for interlocks. Do not use in environments with the presence of explosive or flammable gas. In these cases, use ATEX products (check the specific Pizzato catalogue).

Accessories

Article	Description
VF KB2	Actuator entry locking device



Padlockable device to lock the actuator entry (patented) in order to prevent the accidental closing of the door behind operators while they are inside the machine. To be used only with FG series switches (e.g. FG 60AD1D0A). Hole diameter for padlocks 9 mm.

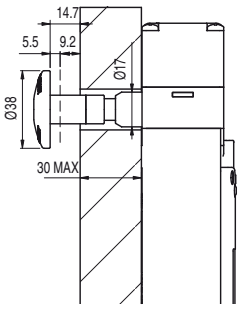
Article	Description
VF KLA371	Set of two locking keys

Extra copy of the locking keys to be purchased if further keys are needed (standard supply 2 units). The keys of all switches have the same code. Other codes on request.

Items with code on **green** background are stock items

Accessories See page 287

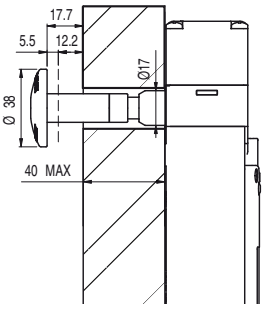
Other release button lengths



-LP30

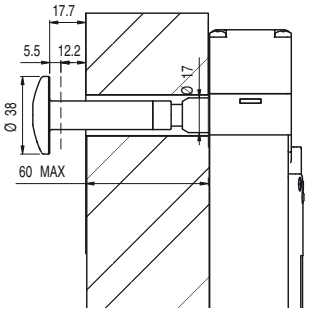
For wall thickness
15 … 30 mm

- Avoid torsion and bending on the release button bar.
- To guarantee the correct device operation, keep a distance of 10 to 25 mm between the wall and the release button.
- Keep clean the release button slipping area. The guide bushing or tube must be cleaned inside, since dirt or chemical products could compromise the device operation.
- Periodically check for correct device operation.



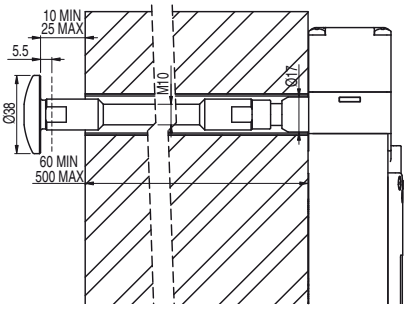
-LP40

For wall thickness
30 … 40 mm



-LP60

For wall thickness
40 … 60 mm



-LPRG

For wall thickness
60 ... 500 mm

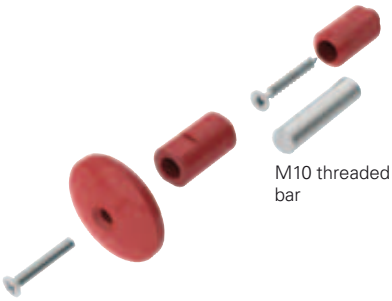
- Avoid torsion and bending on the release button bar.
- Use a bushing or a tube with 18±0,5 mm diameter as a guide inside the wall.
- The M10 threaded bar has to be inserted into the guide in order to avoid its bending. The M10 threaded bar is not supplied with the device.

Do not exceed an overall length of 500 mm between the release button and the switch.

- To guarantee the correct device operation, keep a distance of 10 to 25 mm between the wall and the release button.
- Keep clean the release button slipping area. The guide bushing or tube must be cleaned inside, since dirt or chemical products could compromise the device operation.
- Periodically check for correct device operation.

Release button

Article	Description
VF FG-LP15	Technopolymer release button for max. 15 mm wall thickness, supplied with screw
VF FG-LP30	Technopolymer release button for max. 30 mm wall thickness, supplied with screw
VF FG-LP40	Technopolymer release button for max. 40 mm wall thickness, supplied with screw
VF FG-LP60	Metal release button for max. 60 mm wall thickness, supplied with screw



M10 threaded bar

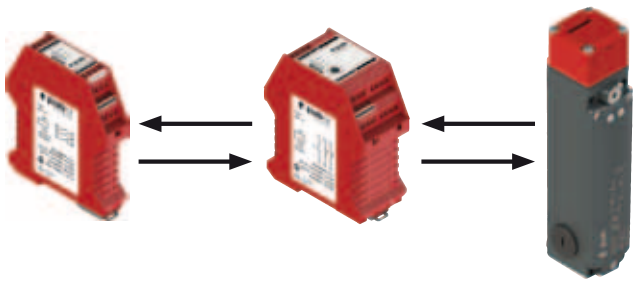
Article	Description
VF FG-LPRG	Metal release button for wall thickness from 60 to 500 mm, supplied with 2 supports and 2 screws, without M10 threaded bar.

The M10 bar can be supplied in zinc-plated steel with 1 m length. Article: AC 8512.

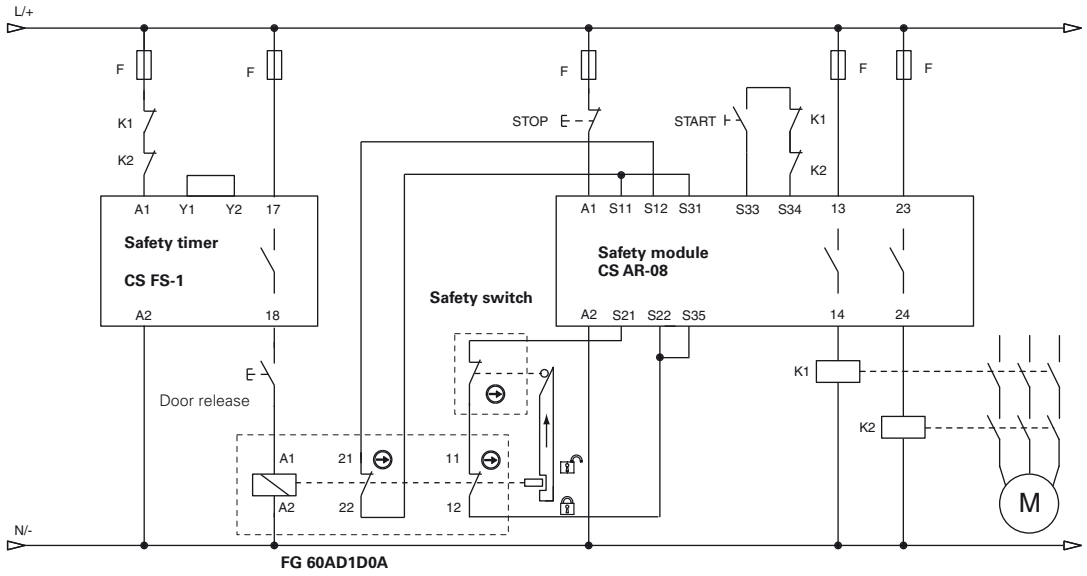
Safety modules

Pizzato Elettrica s.r.l. offers its customers a wide range of safety modules made considering the typical problems about the control of the safety switches and their real use conditions. Safety modules with instantaneous or delayed contacts are available for the realization of emergency circuits type 0 (immediate stop) or type 1 (monitored stop).

Safety switches with solenoid series FG can be connected to safety modules in order to obtain safety circuits up to PL e in accordance with EN ISO 13849. For any technical information or wiring diagram please contact the technical department.



Application example with safety timer



Application example with standstill monitor