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FG series:
Door locking device certified in acc. with EN 81-20 and EN 81-50





Passion for Quality

FG series: Door locking device certified in accordance with EN 81-20 and EN 81-50

EN 81-20
EN 81-50

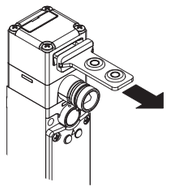
The FG series safety switches with separate actuator with lock are not only certified as interlocks with locking acc. to ISO 14119. In versions with option -V70V90, they comply with standards EN 81-20 and EN 81-50: they can be used as locking devices for hinged and sliding doors in passenger and goods lifts.

The car door is unlocked by powering the internal solenoid, which then unlocks the actuator inserted in the head, thus allowing the door to be opened.

These reinforced locking devices satisfy the requirements on holding force (3000 N) and have passed all tests specified by EN 81-20 and EN 81-50 (IMQ certificate CA 50.00781).

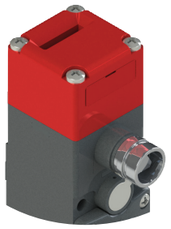
They convince with their compact dimensions in combination with a housing that is made completely out of metal and also satisfies protection degree IP67.

HOLDING FORCE OF THE LOCKED ACTUATOR



The strong interlocking system guarantees a maximum actuator holding force of 3000 N.

KEY RELEASE DEVICES WITH TRIANGULAR KEY



The triangular-shaped auxiliary release is manufactured acc. to DIN 22417 and satisfies the specifications of EN 81-20.

It is provided with a spring return for the key ensuring that the safety switch does not remain in the unlocked state when the landing door is closed.

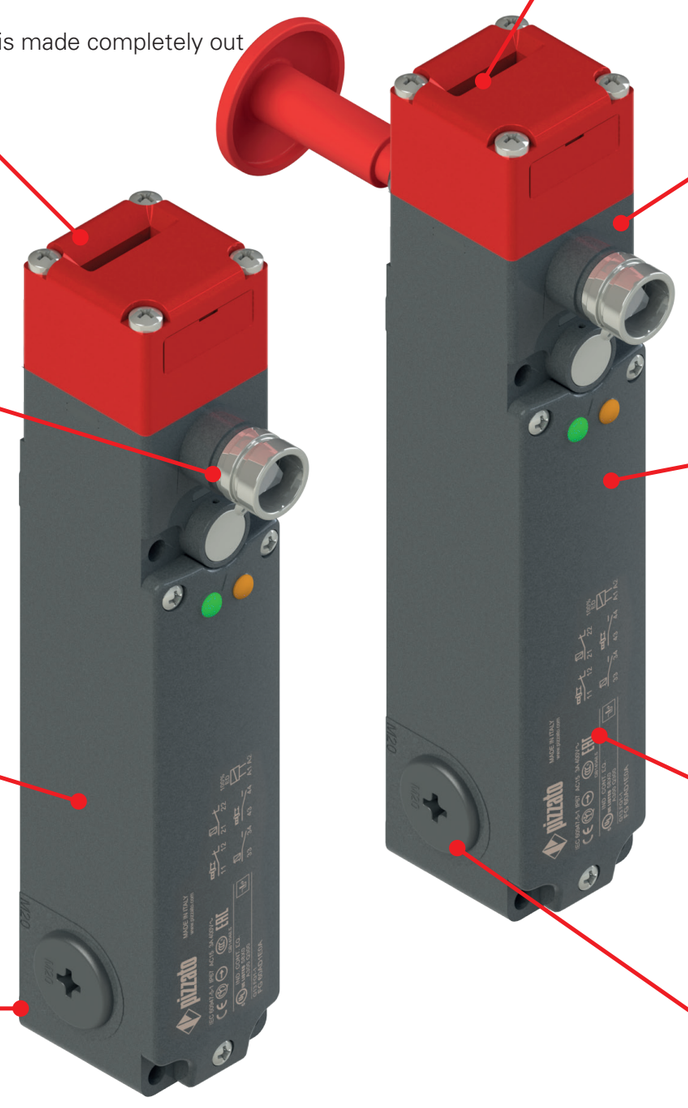
METAL HOUSING

The all-metal housing makes the switch very strong, while the small dimensions (40x40 mm) make installation possible even in tight spaces.

PROTECTION DEGREE IP67

IP67

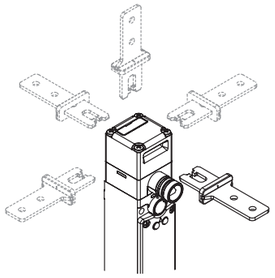
These devices are designed to be used under the toughest environmental conditions, and they pass the IP67 immersion test acc. to EN 60529. They can therefore be used in all environments where the maximum degree of protection is required for the housing.



HEAD AND DEVICES WITH VARIABLE ORIENTATION

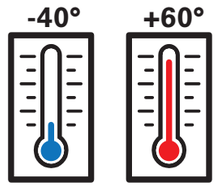
The system can be variably configured by loosening the 4 screws on the head.

The key release device and the release button can also be rotated and secured independently of one another in steps of 90°. The device can thus assume 32 different configurations.



EXTENDED TEMPERATURE RANGE

These devices are also available in a special version suitable for an ambient operating temperature range from -40°C up to +60°C. The special materials used to produce these versions retain their characteristics even under these conditions, thereby expanding the installation possibilities.



CONTACT BLOCKS WITH 4 CONTACTS

Innovative contact block with 4 contacts, available in various contact configurations for monitoring the actuator or the solenoid (patented). The unit is supplied with captive screws and self-lifting clamping plates. Removable finger protection for eyelet terminal.

High-reliability electrical contacts with 4 contact points and double interruption.

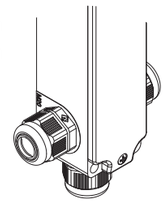


LASER ENGRAVING

All FG series switches are permanently marked with a special laser system. As a result, the marking remains legible even under extreme operating conditions. Thanks to this system that does not use labels, the loss of plate data is prevented and a greater resistance of the marking is achieved over time.

THREE CONDUIT ENTRIES

The switch is provided with three cable entries in different directions. This allows its application in series connections or in narrow places.



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