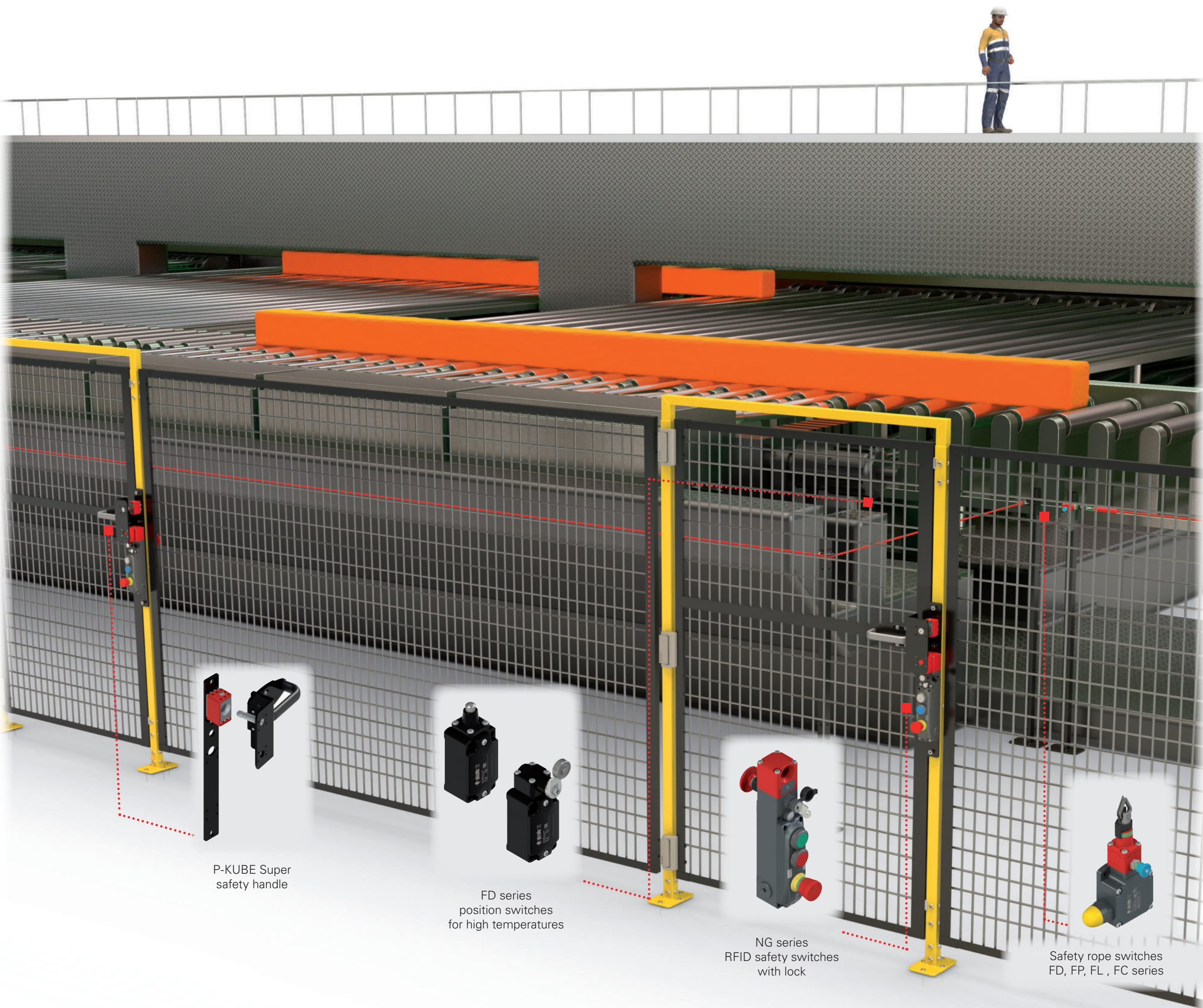




## Devices for the steel industry







P-KUBE Super  
safety handle

FD series  
position switches  
for high temperatures

NG series  
RFID safety switches  
with lock

Safety rope switches  
FD, FP, FL, FC series



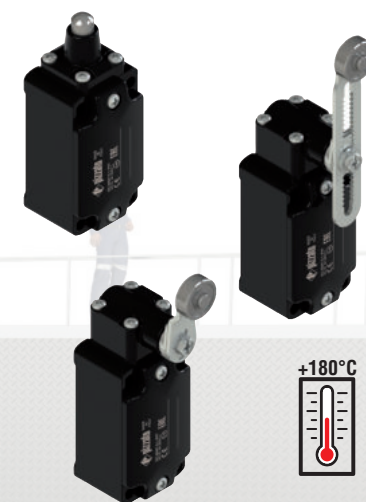


## P-KUBE Super safety handle



- ♦ Designed for installation in particularly demanding work environments (rolling mills, for example).
- ♦ Can be used with NG series safety switches with lock and RFID technology.
- ♦ Dual centring pin, ideal for heavier doors with significant misalignment.
- ♦ Increased locked actuator holding force: up to 9,750 N.
- ♦ Door retaining force (30 N) when door unlocked, to prevent accidental opening.
- ♦ Metal pin with mechanical door stop at limit of travel: no safety switch mechanical stress.
- ♦ High anti bypass coding level, thanks to RFID technology actuators.
- ♦ Integral lock out device to which a padlock can be fitted, to prevent accidental guard closure.
- ♦ Adjustable design to fit on different types of doors or barriers: hinged or sliding, right or left closing, as well as on various types of profiles.

## FD series switches for high temperatures

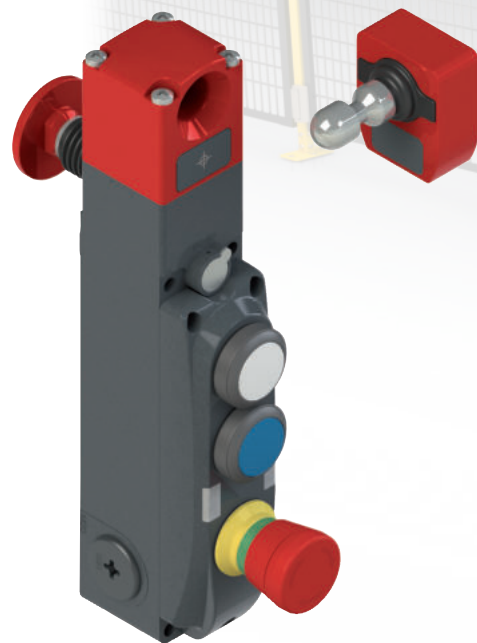


- ♦ Metal housing, one conduit entry.
- ♦ Operating temperature up to +180°C.
- ♦ High protection degree up to IP67.
- ♦ High mechanical endurance, up to 1 million operating cycles.
- ♦ Positive opening of electrical contacts
- ♦ 8 actuators available.
- ♦ Position of swivelling levers adjustable in 10° increments.
- ♦ Reversible levers.
- ♦ Rotatable head can be turned by 90° in all directions.

Marchi di qualità:



## NG series RFID safety switches with lock



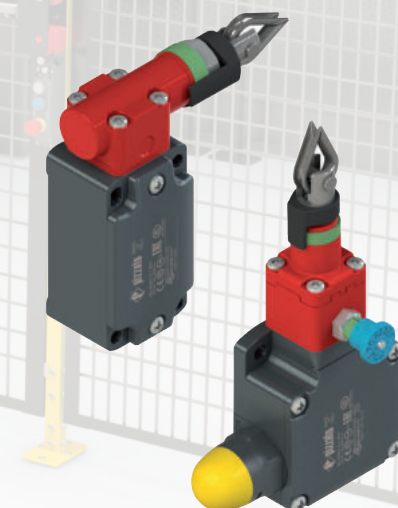
- ♦ SIL 3 and PL e with a single device.
- ♦ High protection degree up to IP67 and IP69K (standard versions), IP65 (for versions with control devices).
- ♦ Actuation without contact, using RFID technology for a long endurance over time.
- ♦ Increased actuator holding force of up to 9,750 N.
- ♦ Interlock, no contact, coded, with guard interlock, type 4 acc. to EN ISO 14119.
- ♦ Metal housing, three M20 conduit entries.
- ♦ Internal terminal strip with push-in spring-operated connections.
- ♦ Actuators with two available coding levels (low and high) acc. to EN ISO 14119.
- ♦ Actuator with flexible bolt for inaccurately closing doors.
- ♦ Heads and release devices with variable orientation, non-detachable.
- ♦ Through hole to prevent dust and dirt deposits.
- ♦ 3 actuation modes.
- ♦ 6 state signalling LEDs.
- ♦ Escape release button.
- ♦ Many combinations of integrated control buttons available.



Quality marks:

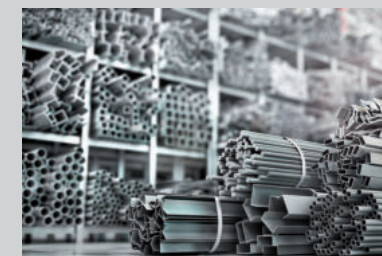
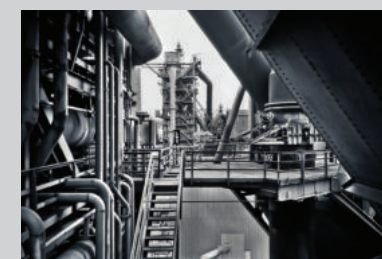


## Safety rope switches



- ♦ Technopolymer housing, one conduit entry (FP series).
- ♦ Metal housing, one conduit entry (FD, FC series) or three conduit entries (FL series).
- ♦ High protection degree up to IP67.
- ♦ High mechanical endurance, up to 1 million operating cycles.
- ♦ 7 contact blocks available.
- ♦ Versions with vertical or horizontal actuation.
- ♦ Indicator for rope adjustment.
- ♦ Indicator for the state of the reset.
- ♦ Versions with reset for emergency stop control in accordance with EN ISO 13850.
- ♦ Rotatable head can be turned by 90° in all directions.
- ♦ Sets and accessories for rope installation.


Quality marks:






Safety

Safety switches with separate actuator




FD, FP, FL, FC, FR, FX, FW, FK

Magnetic safety sensors




SR A, SR B

RFID safety sensors




ST D, ST G

Safety switches for hinges




FD, FL, FC, FR, FM FX, FK, , FZ

Safety hinge switches




HP, HX

Safety switches with slotted hole lever




FR, FM FX, FK, , FZ

Safety switches with separate actuator with lock




FD, FP

Safety switches with separate actuator with lock




FS

Safety switches with separate actuator with lock




FG

Safety switches with separate actuator with lock




NG

Safety switches with separate actuator with lock



NS


Safety rope switches



FD, FP, FL, FC FR


Safety modules

For emergency stops and movable guard monitoring




CS AR

For emergency stops, monitoring of movable guards, safety mats and safety bumpers with 4-wire technology




CS AR

For emergency stops and movable guard monitoring with delayed contacts




CS AT

Safety timer modules




CS FS

For two-hand controls or synchronism monitoring




CS DM

For motor standstill monitoring




CS AM

Expansion modules with output contacts




CS ME

Multifunction modules




CS MP - CS MF




Safety handles


P-KUBE




P-KUBE 1




P-KUBE 2



P-KUBE Fast




P-KUBE Super



P-KUBE Krome


Detection

Position switches for heavy duty applications



FD FP FL FC


Position switches for standard applications



FR FM FX FZ

FK


Position switches without actuator



FD, FP, FL, FC


FR, FM, FX, FZ, FK

Position switches for standard applications with reset




FR, FM, FX, FZ, FK

Modular pre-wired position switches



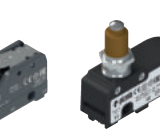
NA NB NF

Microswitches



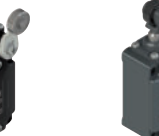
MK MS, MF

Position switches for high temperatures



FD, MK, MF

Position switches compliant with ATEX directive



FD, FL, FM, FA

Human-Machine interface

EROUND

Single buttons



E2 PU, E2 PL

Double, triple, quadruple buttons



E2 PD, E2 PT, E2 PQ

Selector switches



E2 SE, E2 SL, E2 SC

Emergency stop buttons



E2 PE

Luminous discs



VE DL

Indicator lights



E2 IL, E6 IL

Joysticks



E2 MA

USB sockets RJ45 Sockets



E2 USB, E2 RJ45

Potentiometers



E6 DM

Buzzers



E6 IS

Single and double contact blocks



E2 CP, E2 CF

LED unit



E2 LP, E2 LF

Protected contact blocks



FR, FK, FX

Housings



ES, EA

Foot switches



PA, PX, PC



pizzato





General Catalogue  
Detection



General Catalogue  
HMI



General Catalogue  
Safety



Lift General  
Catalogue



Website  
[www.pizzato.com](http://www.pizzato.com)



**Pizzato Elettrica s.r.l.** via Torino, 1 - 36063 Marostica (VI) Italy  
Phone: +39 0424 470 930  
E-mail: [info@pizzato.com](mailto:info@pizzato.com)  
Website: [www.pizzato.com](http://www.pizzato.com)

Any information or application example, connection diagrams included, described in this document are to be intended as purely descriptive. The choice and application of the products in conformity with the standards, in order to avoid damage to persons or goods, is the user's responsibility. The drawings and data contained in this document are not binding and we reserve the right, in order to improve the quality of our products, to modify them at any time without prior notice. All rights to the contents of this publication are reserved in accordance with current legislation on the protection of intellectual property. The reproduction, publication, distribution and modification, total or partial, of all or part of the original material contained therein (including, but not limited to, texts, images, graphics), whether on paper or in electronic form, are expressly prohibited without written permission from Pizzato Elettrica Srl. All rights reserved. © 2020 Copyright Pizzato Elettrica.

ZE BRC17A20-ENG

