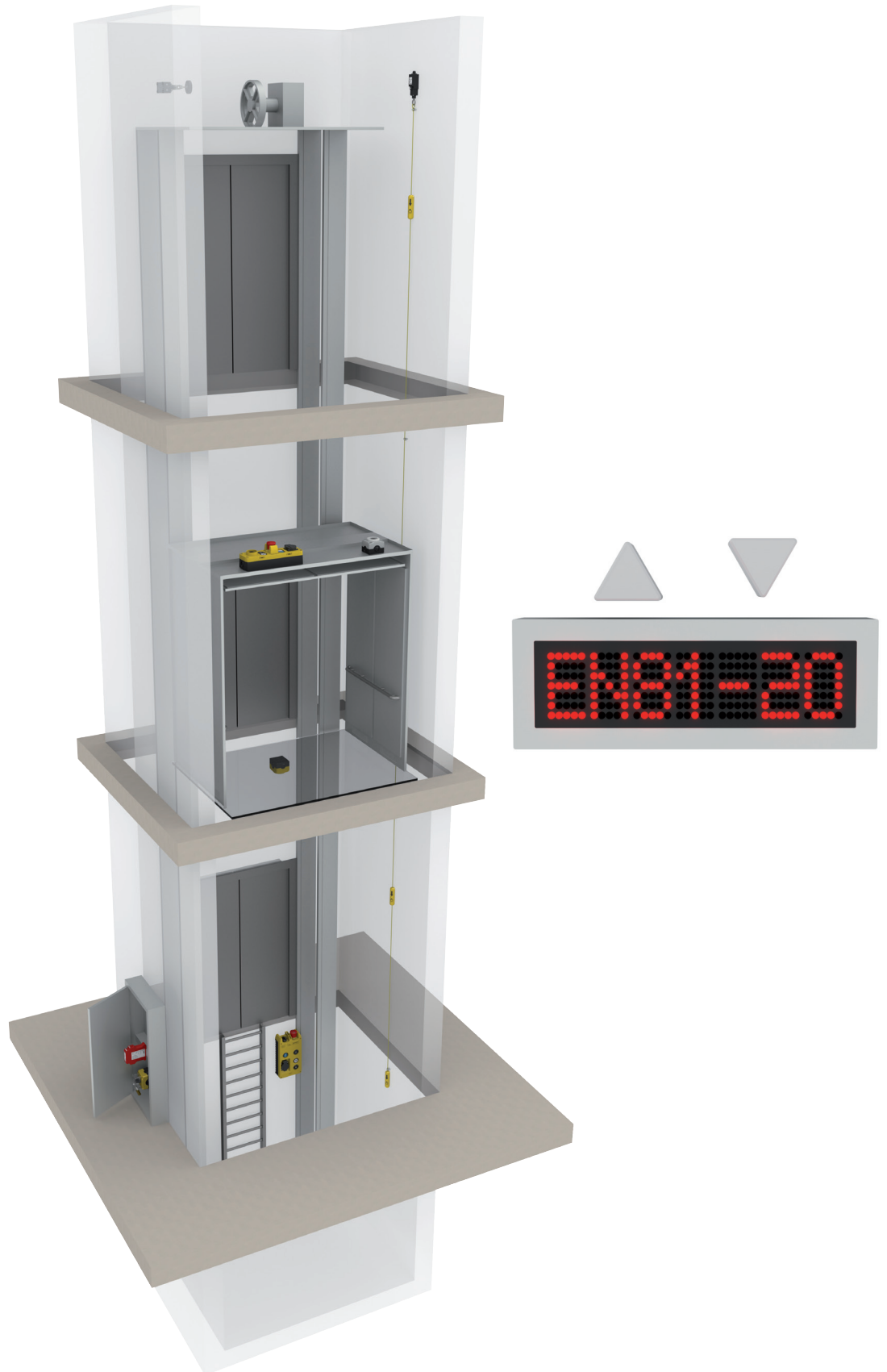


Lift Devices according to EN 81-20/50



Introduction

EN 81-20 and EN 81-50 are the European Standards for lift in force since 01 September 2017.

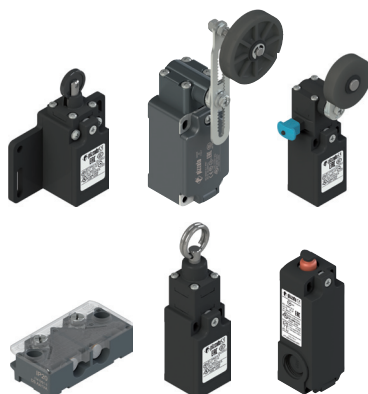
While EN 81-20 formulates the safety rules for the construction and installation of both electric and hydraulic elevators, EN 81-50 describes design rules, calculations, examinations and tests of lift components.

Pizzato Elettrica lift product range comply with the Lift standards and is ready to offer detailed solutions that will specifically satisfy our customer requirements.

POSITION SWITCHES

Safety contacts in compliance with EN 81-20 5.11.2.2.1

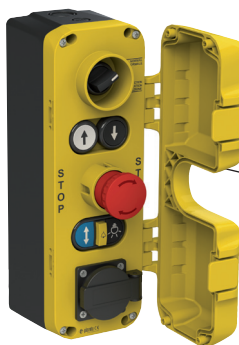
- According to EN 60947-5-1 Annex K
- Protection degree higher than IP4x (EN 60529)
- Mechanical durability higher than 10^6 operating cycles



TOP OF CAR INSPECTION BOXES

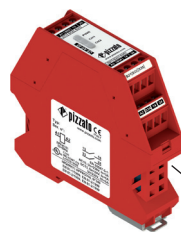
To facilitate inspection and maintenance, a readily operable inspection control station shall be permanently installed on the car roof (EN 81-20 5.12.1.5)

- Inspection Operation Switch which satisfies the requirements for electric safety devices (EN 81-20 5.11.2)
- Direction push buttons "UP" and "DOWN" protected against accidental operation with the direction of the movement clearly indicated
- Stopping device in conformity with EN 81-20 5.12.1.11 (E-STOP button according to EN 60947-5-5)
- Push button "RUN" protected against accidental operation



SAFETY MODULES FOR LIFT SAFETY CONTROL

- Control of levelling and relevelevelling according to 5.12.1.4 of EN 81-20:2014
- Detection of the uncontrolled movement of the car and activation of a stopping element according to 5.6.7.7 of EN 81-20:2014
- Monitoring of correct lifting or dropping of the machine brake according to 5.6.7.3 of EN 81-20:2014
- Detection of the uncontrolled movement of the car during levelling operation with doors open and activation of a stopping element according to 5.6.7.7 of EN 81-20:2014



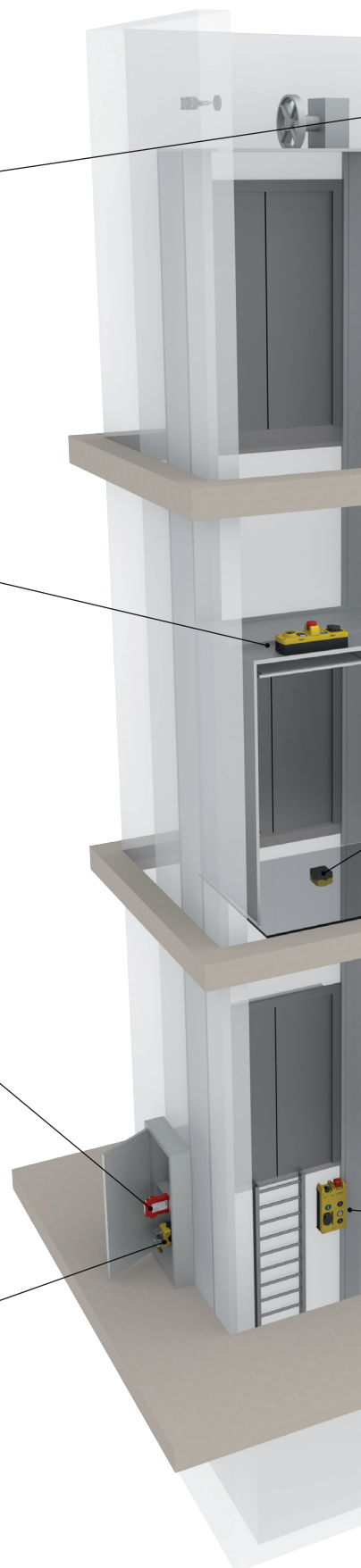
BYPASS DEVICE

For maintenance of contacts of the landing door, car door and door locking a bypass device shall be provided in the control panel or emergency and test panel (5.12.1.8.1)

The device(s) shall be a switch protected against unintended use by mechanically movable means permanently installed, or a plug socket combination which shall satisfy the requirements for electric safety devices according 5.11.2 (5.12.1.8.2)

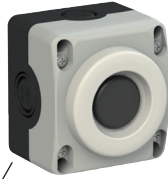
The landing and car door bypass devices shall be identifiable by the word "BYPASS" written on or near to them. In addition, the contacts to be bypassed shall be indicated with the identifiers according to the electrical diagrams (5.12.1.8.3)

- Mobile click cover for protection against unintended use
- Device-locking possible through padlocks
- The lockable protection can be installed on Pizzato's EL series control stations or on any electric panel with appropriate holes



EMERGENCY LIGHT

There shall be emergency lights with an automatically rechargeable emergency supply, which is capable of ensuring a lighting intensity of at least 5 lux for 1h (EN 81-20 5.4.10.4)



- This light shall come on automatically upon failure of the normal lighting supply
- High visibility luminous disc
- IP54 or IP67 protection degree according to IEC 60529

SIGNALLING UNIT

An audible signal at the car and a flashing light under the car shall be activated during movement (EN 81-20 5.12.1.8, ref. G)



- High visibility flashing luminous disc or LED unit (blinking frequency 1 Hz), yellow or white light
- Alarm buzzer with minimum sound level of 55dB (A) at 1 meter distance
- Continuous or pulse alarm tone available
- IP54 or IP67 or IP69K protection degree according to IEC 60529
- Laser marking

PIT INSPECTION BOXES

There shall be in the PIT a stopping device(s), a permanently installed inspection control station, a socket outlet and a means to switch the well lighting (EN 81-20 5.2.1.5.1)



- Widest and versatile combination of covers
- Sturdiness design
- IP54 or IP65 or IP67 protection degree according to IEC 60529
- Customized socket
- Laser marking
- Availability of the EL AC holder
- Take up a minimal amount of space (60 mm) for the EL AD range



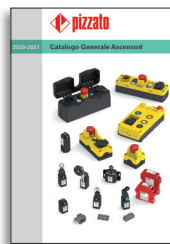
General Catalogue
Detection



General Catalogue
HMI



General Catalogue
Safety



General Catalogue
Lift



Website
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
Website: 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. © 2022 Copyright Pizzato Elettrica.

ZE FGL21A22-ENG



8 018851 576140