

Emergency stop EStrongZ



Approvals:



Application:

- To stop a machine or a process

Features:

- Compact and robust
- Universal installation
- Stainless steel
- LED status indication (optional)
- 2NO + 2NC
- EX version

Switch operational description

The EStrongZ is an emergency stop designed to provide a robust unit in exposed and severe environments. Perfect for industries that have special demands.

The contact block configuration is a 2NC and 2NO and the emergency stop is mounted with 4 x M4 screws from the inside.

The EStrongZ has a special lid that is mechanical linked to the emergency stop safety mechanism. This means that the safety contacts will open if the lid is removed. An optional feature gives the EStrongZ a two colour LED that can be seen easily from a distance.

Material

The EStrongZ is available in a total rugged stainless steel 316 body, developed for applications such as food processing and chemical industry. With a double seal lid gasket and seals, the EStrongZ has an IP69K enclosure protection and therefore can be high pressure hosed with detergent at high temperature.

Explosion Proof version (X)

EStrongZ also exist in versions with certified explosion proof contact block (X-versions). EStrongZX have a stainless steel body and can be used in European Zone 1, 2, 21, 22 environments (Gas and Dust). Preassembled with 3 meter cable.

Regulations and Standards

The EStrongZ is designed and approved in accordance to relevant standards. Examples of relevant standards are IEC/EN 60947-5-1, IEC/EN 60947-5-5, EN 62061, UL 508, EN ISO 13850 and EN ISO 13849-1.

Technical data – EStrongZ series

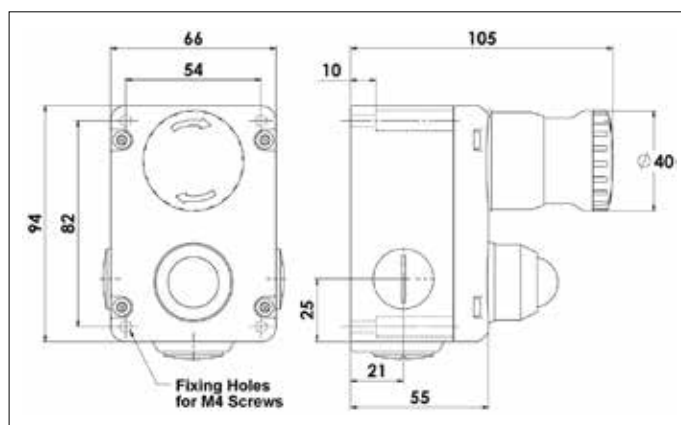
Article number	
EStrongZ	2TLA050220R0020
EStrongZ (LED)	2TLA050220R0222
EStrongZX	2TLA050220R0025
Level of Safety	
EN ISO 13849-1	Up to PL e/Cat. 4 depending upon system architecture
EN 62061	Up to SIL3 depending upon system architecture
Safety data	
Mechanical reliability B_{10d}	1.5×10^6 operations at 100mA load 21 years
Proof test interval (life) MTTF _d	214 years (8 cycles per hour/24 hours per day/365 days)
Torque settings	Mounting M5 4.0Nm, Lid T20 Torx M4 1.5Nm, Terminals 1.0Nm
Termination	Clamp up to 2.5 mm ² conductors
Short circuit overload protection	Fuse externally 10A (FF)
Rated insulation/withstand voltages	500VAC / 2500VAC
Utilisation category	AC15 A300 3A
Shock resistance	15 g 11 ms
Thermal current (Ith)	10A
Conduit entries	3 x M20
Enclosure classification	IP67 and IP69K
Operating temperature	-25°C to +80°C
Weight	820 g
Contact type	IEC/EN 60947-5-1 double break typ Zb snap action
Contact material	Silver
Enclosure / Cover	Stainless steel 316
Mounting position	Any
Mounting bolts	4 x M4
Explosion Proof version (X)	
Classification Ex d IIC T6	(-20°C ≤ Ta ≤ +60°C) Gb Ex tb IIIC T85°C (-20°C ≤ Ta ≤ +60°C) Db
Rated Voltage	250V AC/DC
Rated Current	2 pole 4A 4 pole 2.5A



EStrongZ (LED)



EStrongZ



Dimensions EStrongZ (LED)