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IDEM SERIES Z EMERGENCY STOP BUTTON

ESL(L)-SS-Z, ESL(LP)-SS-Z, ES-P-Z

232301-Z
ESL(LP)-SS-Z Z-Range 2 OSSD 1 Auxiliary M12-QC 8-Pole 250mm Flying Lead



- Can Add multiple buttons in series
- LED Indicator
- Stainless steel or polyester housing

PRODUCT DESCRIPTION

IDEM's Emergency Stop Stations with OSSD outputs (Z-Range) include three primary models: the ES-P-Z (plastic housing), and the ESL-SS-Z (L) and ESL-SS-Z (LP) in rugged 316 stainless steel. Each unit features dual OSSD (output) safety channels alongside a PNP auxiliary output, integrated via an 8-pole M12 quick-connect 250 mm flying lead. The robust OSSD design enables pulsed signaling, ensuring instant fault detection, while the built-in bi-colour LED on the lid enhances visibility and quick diagnostics. For the stainless-steel versions, they're rated IP69K, ideal for high-pressure washdowns, while the plastic ES-P-Z achieves IP67 protection. The sturdy lid-trip mechanism prevents tampering by opening the safety contacts if the lid is removed.
These stations are tailored for emergency shutdowns on heavy machinery, conveyors, industrial lines, and washdown environments. Their dual-channel OSSD output allows them to integrate into SIL 3/PLe safety systems, supporting up to 30 devices in series with continuous self-testing and immediate fault reaction, minimising downtime and boosting safety. The stainless-steel variants withstand harsh conditions, while simple LED diagnostics and M12 quick-connect wiring streamline installation and maintenance. Thanks to their saline-resistant build and tamper safeguards, they're ideal where reliability, hygiene, and compliance to ISO 13850 and IEC 60947-5-5 are paramount.

TECHNICAL DATA

ATEX approved	No
Cable length	0.25 m
Conduit entry	Złącze M12, 8-pin
Contact rating max	24Vdc 0.2A
Contacts	2 x OSSD, PNP
Housing material	Stainless steel 316
Integrated LED indication	Yes
IP class	IP69K
Minimum current	1mA
Operating temperature	-25°C +50°C
PL	e acc. EN ISO13849-1
Safety category	4

SIL	3 acc. IEC62061