

Heavy Duty Emergency Stops: ESL-SS (4 pole)

DESCRIPTION & FEATURES:

IDEM ESL-SS Standard Duty Emergency Stop Switches have been designed to provide robust emergency stop protection for machines or exposed conveyors, and are suitable for use within virtually all industry sectors.

- Stainless Steel 316 (IP69K) can be high pressure hosed with detergents at high temperature.
- Conformance to ISO13850, EN60947-5-1 and EN60947-5-5.
- A special lid safety trip mechanism means that the safety contacts will open if the lid is removed.
- Button protection shroud versions with padlock holes for "Lock Off" in maintenance situations.
- Optional 2-colour LED.



TYPE: ESL-SS(LP)
Stainless Steel 316
with 2-Colour LED
and Protection
Shroud



TYPE: ESL-SS (Stainless Steel 316)



TYPE: ESL-SS(P) Stainless Steel 316
with Protection Shroud and Padlock Holes



TYPE: ESL-SS(L) Stainless Steel 316
with 2-Colour LED

SALES NUMBER	TYPE	CONDUIT ENTRY	CONTACTS
232001	ESL-SS	M20	2NC 2NO
232002	ESL-SS	1/2"NPT	2NC 2NO
232003	ESL-SS	M20	3NC 1NO
232004	ESL-SS	1/2"NPT	3NC 1NO
232005	ESL-SS	M20	4NC
232006	ESL-SS	1/2"NPT	4NC

Replacement Lid quote Sales Number: 232100

SALES NUMBER	TYPE	CONDUIT ENTRY	CONTACTS
232009	ESL-SS(P)	M20	2NC 2NO
232010	ESL-SS(P)	1/2"NPT	2NC 2NO
232011	ESL-SS(P)	M20	3NC 1NO
232012	ESL-SS(P)	1/2"NPT	3NC 1NO
232013	ESL-SS(P)	M20	4NC
232014	ESL-SS(P)	1/2"NPT	4NC

Replacement Lid quote Sales Number: 232101

SALES NUMBER	TYPE	CONDUIT ENTRY	CONTACTS
232017	ESL-SS(L)	M20	2NC 2NO
232018	ESL-SS(L)	1/2"NPT	2NC 2NO
232019	ESL-SS(L)	M20	3NC 1NO
232020	ESL-SS(L)	1/2"NPT	3NC 1NO
232021	ESL-SS(L)	M20	4NC
232022	ESL-SS(L)	1/2"NPT	4NC
232023	ESL-SS(LP)	M20	2NC 2NO
232024	ESL-SS(LP)	1/2"NPT	2NC 2NO
232025	ESL-SS(LP)	M20	3NC 1NO
232026	ESL-SS(LP)	1/2"NPT	3NC 1NO
232027	ESL-SS(LP)	M20	4NC
232028	ESL-SS(LP)	1/2"NPT	4NC

Gold Plated Contacts available for low power circuits (5V 5mA). Add GC to Part Number e.g. 232001-GC

EXPLOSION PROOF MODELS ALSO AVAILABLE.
PLEASE SEE PAGES 228 and 229.



Exd IIC T6 (-20 ≤ Ta ≤ +60C) Gb Ex tb IIIC T85C (-20 ≤ Ta ≤ +60C) Db

Standards: EN60947-5-1 EN60947-5-5 EN62061
UL 60947-5-1 ISO13850 ISO13849-1

Safety Classification and Reliability Data:

Mechanical Reliability B10d	1.5 x 10 ⁶ operations at 100mA load
ISO13849-1	Up to PLe depending upon system architecture
EN62061	Up to SIL3 depending upon system architecture
Safety Data – Annual Usage	8 cycles per hour/24 hours per day/365 days
	MTTFd 214 years
Enclosure/Cover Material	Stainless Steel 316
IP Rating	IP67 IP69K
Mounting	4 x M4
Mounting Position	Any
Conduit Entries	3 x M20 or 3 x 1/2" NPT (by Sales Number)
Tongue Settings	Mounting M4 4.0Nm Lid T20 Torx M4 1.5Nm Terminals 1.0Nm
Ambient Temperature	-25C +80C
Vibration Resistance	10-500Hz 0.35mm
Shock Resistance	11ms 15g
Weight	1060g to 1190g
Contact Type	EN60947-5-1 double break type Zb Snap Action up to 4NC (positive break) 2NO (Auxiliary)

Contact Material Silver
Termination Clamp up to 2.5mm² conductors
Rating Utilisation category AC15

Operational Rating 240V 3A

Thermal Current (Ith) 10A

Rated Insulation Voltage (U) 500V

Withstand Voltage (Uimp) 2500V

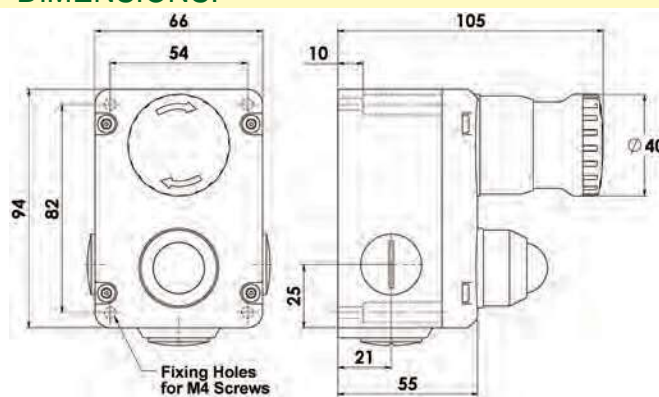
Short Circuit Overload Protection Fuse externally 10A(FF)

IDEM recommend their
Stainless Steel 316 Gland
with this switch.



S/STEEL 316 GLAND	SALES NUMBER
M20	140120
1/2" NPT	140121

DIMENSIONS:



TYPE: ESL-SS(L)