



# IDEM EMERGENCY STOP (E-STOP) SWITCHES ES-P & ES-SS

230001  
ES-P Knockout M20 1/2NPT '2NC 1NO'

- Stainless steel IP69K
- High temperature wash down
- 2 or 3 conduit entries
- 3 or 4 pole contacts
- 2NC 1NO; 2NC 2NO; or 3NC 1NO



## Product description

IDEM ES-P and ES-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.

- Plastic bodies (IP67) or Stainless Steel 316 (IP69K)
- 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 - this provides an extra degree of anti-tamper
- Button protection shroud versions with padlock holes to enable "Lock Off" in maintenance situations
- 3 pole contact blocks provide positively operated switch contacts

## Specifications

Annual usage	8 cycles per hour/24 hours per day/365 days
Approvals	UL 508, EN60947-5-1, EN60947-5-5, EN62061, ISO 13850, ISO 13849-1
Atex approved	No
Central Material	Polyester
Conduit entry	M20/1/2"NPT
Contact Type	EN60947-5-1 double break type Zb Snap Action up to 3NC (positive break) 1NO (auxiliary)
Contacts	2NC 1NO
Integrated LED indication	No
IP Class	IP67

Materials Contacts	Silver
Mechanical reliability B10d	2.5x10 <sup>6</sup> operations at 100mA load
Mounting	4 x M4
MTTFd	214 years
Number of poles	3
Operating temperature	-25°C +80°C
Operational rating	240V 3A
PFHd	<1.0 x 10 <sup>-7</sup>
Rated insulation voltage	500V
Short circuit overload protection	Fuse externally 10A(FF)
Thermal current (Ith)	10
Withstand voltage	2500V

