



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

230001

ES-P Knockout M20 1/2"NPT '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

### TECHNICAL DATA

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

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

