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

231007
ES-SS(P) M20 '3NC'




- 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

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|---|---|
| **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 |
| **Conduit entry** | M20 |
| **Contact type** | EN60947-5-1 double break type Zb Snap Action up to 3NC (positive break) 1NO (auxiliary |
| **Contacts** | 3NC |
| **Housing material** | Stainless steel 316 |
| **Integrated LED indication** | No |
| **IP class** | IP69K |
| **Material contacts** | Silver |
| **Mechanical reliability B10d** | $2.5x10^6$ 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 $10^{-7}$ |
| **Rated insulation voltage** | 500V |
| **Short circuit overload protection** | Fuse externally 10A(FF) |
| **Thermal current (Ith)** | 10 A |
| **Withstand voltage** | 2500V |

