## Explosion Proof Non Contact Safety Interlock Switches

![CM1-Ex Switch](image1.png)

**CM1-Ex**

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Body Housing</th>
<th>Cable Length 6mm O/D</th>
<th>Circuits</th>
<th>Electrical Rating Normally Closed Circuits (Actuator Present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>901101</td>
<td>CM1-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>1NC</td>
<td>230V.ac / 24Vdc 2A. Max. Internally Fused</td>
</tr>
<tr>
<td>901102</td>
<td>CM1-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>1NC</td>
<td></td>
</tr>
</tbody>
</table>

![CM2-Ex Switch](image2.png)

**CM2-Ex**

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Body Housing</th>
<th>Cable Length 6mm O/D</th>
<th>Circuits</th>
<th>Electrical Rating Normally Closed Circuits (Actuator Present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>902103</td>
<td>CM2-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>1NC</td>
<td>230V.ac / 24Vdc 1A. Max. Internally Fused</td>
</tr>
<tr>
<td>902104</td>
<td>CM2-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>1NC</td>
<td></td>
</tr>
<tr>
<td>902105</td>
<td>CM2-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>2NC 1NO</td>
<td>230V.ac / 24Vdc 0.6A. Max. Internally Fused</td>
</tr>
<tr>
<td>902106</td>
<td>CM2-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>2NC 1NO</td>
<td>230V.ac / 24Vdc 200mA Max.</td>
</tr>
</tbody>
</table>

*Product is fully encapsulated which is considered to provide Ingress Protection to at least IP67*
**Technical and Safety Specification:**

- **Standards:** IEC/EN 60079-0, IEC/EN 60079-18, EN1088, IEC 947-5-3, EN 802-04-1, ISO 13849-1, EN2061, EN 954-1, UL508
- **Safety Classification and Reliability Data:**
  - Mechanical Reliability B10d
  - EN 954-1
  - EN 802-04-1
  - ISO 13849-1
  - Safety Data - Annual Usage
  - PFHd: 2.52 x 10^5
  - Proof Test Interval (Life): 47 years
  - MTTFd: 470 years

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Zones 1, 2, 22, 22</th>
<th>Body Housing</th>
<th>Cable Length 6mm O/D</th>
<th>Circuits</th>
<th>Electrical Rating Normally Closed Circuits (Actuator Present)</th>
<th>Electrical Rating Normally Open Circuits (Actuator Present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>903101</td>
<td>CM3-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>2NC 1NO</td>
<td>230V ac / 24Vdc 0.6A, Max. Internally Fused</td>
<td>230V ac / 24Vdc 200mA, Max.</td>
<td></td>
</tr>
<tr>
<td>903102</td>
<td>CM3-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>2NC 1NO</td>
<td>230V ac / 24Vdc 0.6A, Max. Internally Fused</td>
<td>230V ac / 24Vdc 200mA, Max.</td>
<td></td>
</tr>
</tbody>
</table>

- Contact release time: <3ms
- Initial contact resistance: <500 milliohm
- Minimum switched current: 10V, dc: 1mA
- Insulation Resistance: 100 Mohms
- Recommended setting gap: 5mm
- Switching Distance: (Target to target)
  - Sar: 10mm, Close
  - Open: 22mm
- Approach speed: 200mm/min. to 1000mm/s.
- Temperature Range: -30°C / +60°C (or +60°C at 24°C)
- Enclosure Protection: IP67
- Shock Resistance: IEC 68-2-27
- Vibration Resistance: 11ms
- 30g
- 10-55 Hz
- Cable Type: 6mm O.D.
- Mounting Position: Any
- Approval Body: BASEEFA, UK

*Product is fully encapsulated which is considered to provide Ingress Protection to at least IP67*
Explosion Proof Non Contact Safety Interlock Switches

II 2G Ex mb IIC T6 Gb  II 2D Ex mb IIIC T80 Db IP67*  Zones 1, 21, 2, 22  Gas and Dust

LM-Ex

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Zones 1,21,2,22</th>
<th>Body Housing</th>
<th>Cable Length 6mm O/D</th>
<th>Circuits</th>
<th>Electrical Rating Normally Closed Circuits (Actuator Present)</th>
<th>Electrical Rating Normally Open Circuits (Actuator Present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>904101</td>
<td>LM-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>2NC 1NO</td>
<td>230V.ac / 24Vdc 0.6A, Max. Internally Fused</td>
<td>230V.ac / 24Vdc 200mA, Max.</td>
<td></td>
</tr>
<tr>
<td>904102</td>
<td>LM-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>2NC 1NO</td>
<td>230V.ac / 24Vdc 0.6A, Max. Internally Fused</td>
<td>230V.ac / 24Vdc 200mA, Max.</td>
<td></td>
</tr>
</tbody>
</table>

* Product is fully encapsulated which is considered to provide Ingress Protection to at least IP67

Technical and Safety Specification:

- Standards: IEC/EN 60079-0  IEC/EN 60079-18  EN1098  IEC61508  EN 60079-1  ISO 13849-1  EN60204-1  UL508
- Safety Classification and Reliability Data:
  - Mechanical Reliability B10d: 3.3 x 10^6 operations at 100mA load up to Category 4 with Safety Relay
  - EN 60941: up to SIL3 depending upon system architecture
  - EN 62061: 2 cycles per hour / 24 hours per day / 365 days
  - PPFD: 2.52 x 10^{-4}
  - Safety Data - Annual Usage: 5 years
  - Proof Test Interval (Life): 47 years
  - MTTF: 470 years

- Contact release time: <2ms
- Initial contact resistance: <500 milliohm
- Minimum switched current: 10V, dc 1mA
- Insulation Resistance: 100 Mohms
- Recommended setting gap: 5mm
- Switching Distance: Sao 10mm Close
- Sar 22mm Open
- Approach speed: 200m/min. to 1000m/min.
- Temperature Range: -20 / +80C. (or +60C at 2A)
- Endurance Protection: IP67
- Shock Resistance: IEC 68-2-6 11ms 30g
- Vibration Resistance: IEC 68-2-6 10-55 Hz. 1mm
- Cable Type: 6mm O.D.
- Mounting: Any
- Approval Body: BASEEFA  UK
Explosion Proof Non Contact Safety Interlock Switches

**WM1-Ex**
Stainless Steel housing - Supplied fitted with Stainless Steel Flexible conduit

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Body Housing</th>
<th>Cable / Conduit Length 10mm O/D</th>
<th>Circuits</th>
<th>Electrical Rating Normally Closed Circuits (Actuator present)</th>
<th>Electrical Rating Normally Open Circuit (Actuator present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>900101</td>
<td>WM1-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>2NC 1NO</td>
<td>230V ac / 24Vdc 0.8A. Max. Internally fused</td>
<td>230V ac / 24Vdc 200mA. Max.</td>
</tr>
<tr>
<td>900102</td>
<td>WM1-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>2NC 1NO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WM2-Ex**

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Body Housing</th>
<th>Cable Length 6mm O/D</th>
<th>Circuits</th>
<th>Electrical Rating Normally Closed Circuits (Actuator present)</th>
<th>Electrical Rating Normally Open Circuit (Actuator present)</th>
</tr>
</thead>
<tbody>
<tr>
<td>900201</td>
<td>WM2-Ex</td>
<td>S / Steel</td>
<td>5M</td>
<td>2NC 1NO</td>
<td>230V ac / 24Vdc 3A. Max. Internally fused</td>
<td>230V ac / 24Vdc 200mA. Max.</td>
</tr>
<tr>
<td>900202</td>
<td>WM2-Ex</td>
<td>S / Steel</td>
<td>10M</td>
<td>2NC 1NO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Product is fully encapsulated which is considered to provide Ingress Protection to at least IP67
Explosion Proof Non Contact Safety Interlock Switches

II 2G Ex mb IIC T6 Gb  II 2D Ex mb IIC T80 Db IP67*

Zones 1, 21, 2, 22 Gas and Dust

RM-Ex

Stainless Steel 316  M30 x 1.5mm threaded body

| Sales Number | Type | Zones | Body Housing | Cable Length | Circuits | Electrical Rating \n|---------------|------|--------|--------------|-------------|---------|---------------------|
| 905101        | RM-Ex| 1,2,21,22 | S / Steel | 5M | 2NC 1NO | Normally Closed Circuits \nRed/Blue NC \nWhite/Black NC | 230V.ac / 24Vdc \n0.6A, Max. \nInternally fused |
| 905102        | RM-Ex| 1,2,21,22 | S / Steel | 10M | 2NC 1NO | Normally Closed Circuits \nOrange/Brown NO | 230V.ac / 24Vdc \n200mA, Max. |

Technical and Safety Specification:

- Standards:
  - IEC/EN 60079-0
  - IEC/EN 60079-18
  - EN1088
  - IEC 947-5-3
  - EN 60204-1
  - ISO 13634-1
  - EN 602061
  - EN 954-1
  - UL508

- Safety Classification and Reliability Data:
  - Mechanical Reliability 810d
  - EN 954-1
  - ISO 13634-1
  - EN 602061
  - Safety Data - Annual Usage
  - PFHd
  - 3.3 x 10^8 operations at 100mA load
  - up to Category 4 with Safety Relay
  - up to PLe depending upon system architecture
  - up to SIL3 depending upon system architecture
  - 8 cycles per hour / 24 hours per day / 365 days
  - 2.52 x 10^4

- Safety Data - Life (LiFe)
- Proof Test Interval (LiFe)
- 47 years

- Contact release time
- Initial contact resistance
- Minimum switched current
- Insulation Resistance
- Recommended setting gap
- Switching Distance:
  - (Target to target)
  - Approach speed
  - Temperature Range
  - Enclosure Protection
  - Shock Resistance
  - Vibration Resistance
  - Cable Type
  - Mounting Position
  - Approval Body

- Contact release time: <2ms
- Initial contact resistance: <500 million
- Minimum switched current: 10V, 1mA
- Insulation Resistance: 100 Mohms
- Recommended setting gap: 5mm
- Switching Distance (Target to target):
- Approach speed: 22mm Open
- Temperature Range: 200mm/min. to 1000mm/s.
- Enclosure Protection: IP67
- Shock Resistance: IEC 68-2-7
- Vibration Resistance: IEC 68-2-6
- Cable Type: 6mm O.D.
- Mounting Position: Any
- Approval Body: BASEEFA UK

* Product is fully encapsulated which is considered to provide Ingress Protection to at least IP67
Explosion Proof Emergency Stop Switches

(P) versions include button protection shroud and padlock holes for lock off.

ESL-SS(P)-Ex

ESL-SS-Ex

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>232015</td>
<td>ESL-SS(P)-Ex</td>
<td>1NC 1NO</td>
</tr>
<tr>
<td>232016</td>
<td>ESL-SS(P)-Ex</td>
<td>2NC</td>
</tr>
<tr>
<td>232030</td>
<td>ESL-SS(P)-Ex</td>
<td>2NC 2NO</td>
</tr>
<tr>
<td>232007</td>
<td>ESL-SS-Ex</td>
<td>1NC 1NO</td>
</tr>
<tr>
<td>232008</td>
<td>ESL-SS-Ex</td>
<td>2NC</td>
</tr>
<tr>
<td>232009</td>
<td>ESL-SS-Ex</td>
<td>2NC 2NO</td>
</tr>
</tbody>
</table>

All switches are pre-wired with 3m. length of cabling through the cable glands as shown. Other lengths and cable exits available upon request.

Ex d IIC T6 (-20≤Ta≤+60°C) Gb

Ex tb IIIC T85C (-20≤Ta≤+60°C) Db

Standards:
IEC/EN 60079-0  IEC/EN 60079-1
EN1088  IEC 60947-5-1  EN 60204-1
ISO 13849-1  EN62061  EN 954-1  UL 508

Safety Classification and Reliability Data:
Mechanical Reliability B10d
EN 954-1
ISO 13849-1
EN 62061
Safety Data - Annual Usage
8 cycles per hour / 24 hours per day / 365 days
PfHd <1.0 x 10^6
Proof Test Interval (Life) MTTfd 21 years

Enclosure Protection
Operating Temperature
Vibration
Classification
Rated Voltage
Rated Current
Cable length
IP69K  IP67
-20°C +60°C
IEC 99-3-4; 10-55Hz+1Hz
Excursion: 0.35mm, 1 octave/min
Ex d IIC T6 (-20≤Ta≤+60°C) Gb
Ex tb IIIC T85C (-20≤Ta≤+60°C) Db
250V a.c.
2 Pole 4A ac 4 Pole 2.5A ac
3m.
Explosion Proof Emergency Stop Switches

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

Zone 1, 2, 21, 22 environments. (Gas and Dust)

GLES-Ex

GLES-SS-Ex

<table>
<thead>
<tr>
<th>Sales Number</th>
<th>Type</th>
<th>Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>146003</td>
<td>GLES-Ex</td>
<td>1NC 1NO</td>
</tr>
<tr>
<td>146004</td>
<td>GLES-Ex</td>
<td>3NC 1NO</td>
</tr>
<tr>
<td>146005</td>
<td>GLES-Ex</td>
<td>2NC</td>
</tr>
<tr>
<td>146006</td>
<td>GLES-Ex</td>
<td>2NC 2NO</td>
</tr>
<tr>
<td>147003</td>
<td>GLES-SS-Ex</td>
<td>1NC 1NO</td>
</tr>
<tr>
<td>147004</td>
<td>GLES-SS-Ex</td>
<td>3NC 1NO</td>
</tr>
<tr>
<td>147005</td>
<td>GLES-SS-Ex</td>
<td>2NC</td>
</tr>
<tr>
<td>147006</td>
<td>GLES-SS-Ex</td>
<td>2NC 2NO</td>
</tr>
</tbody>
</table>

All switches are pre-wired with 3m. length of cabling through the cable glands as shown. Other lengths and cable exits available upon request.

All Dimensions in mm

HEAVY DUTY EMERGENCY STOP

Standards:
- IEC/EN 60079-0
- IEC/EN 60079-1
- EN1088 IEC 60079-5-1
- EN 60335-1
- ISO 13849-1
- EN 50204-1
- UL508

Safety Classification and Reliability Data:
- Mechanical Reliability B10d
  - EN 954-1
  - ISO 13849-1
  - EN 62061
- Safety Data - Annual Usage
  - 8 cycles per hour / 24 hours per day / 365 days
- PPhO
  - 1.5 x 10^6 operations at 100mA load
- Proof Test Interval (Ltf)
  - 21 years
- MTTFd
  - 214 years

Enclosure Protection: IP69K, IP67
Operating Temperature: -20°C to +60°C
Vibration: IEC 68-2-6, 10-55Hz, ±1Hz
Classification: Ex d IIC T6 (-20°C ≤ Ta ≤ +60°C) Gb
Ex tb IIIC T85C (-20°C ≤ Ta ≤ +60°C) Db
Rated Voltage: 250V a.c.
Rated Current: 4 Pole 2.5A a.c.
Cable Length: 3m.
Explosion Proof Emergency Stop Switches

Rope Pull Emergency Stop Switches
Zones 1 and 2  Zones 21 and 22  Gas and Dust  IP67

GLHL-Ex  GLHD-Ex  GLHR-Ex

GLHD-SS-Ex  GLHL-SS-Ex  GLS-Ex  GLS-SS-Ex

All switches are pre-wired with 3m. length of cabling through the cable glands as shown. Other lengths and cable exits available upon request.

Sales Number  Type  Contacts
141003  GLHD-Ex  1NC 1NO
141014  GLHL-Ex  1NC 1NO
141017  GLHD-Ex  2NC
141016  GLHL-Ex  2NC 2NO
141007  GLHL-Ex  1NC 1NO
141015  GLHL-Ex  3NC 1NO
141019  GLHL-Ex  2NC
141020  GLHL-Ex  2NC 2NO
141011  GLHR-Ex  1NC 1NO
141016  GLHR-Ex  3NC 1NO
141021  GLHR-Ex  2NC
141022  GLHR-Ex  2NC 2NO
145003  GLHD-SS-Ex  1NC 1NO
145014  GLHD-SS-Ex  3NC 1NO
145017  GLHD-SS-Ex  2NC
145016  GLHD-SS-Ex  2NC 2NO
145007  GLHL-SS-Ex  1NC 1NO
145015  GLHL-SS-Ex  3NC 1NO
145010  GLHL-SS-Ex  2NC
145020  GLHL-SS-Ex  2NC 2NO
145011  GLHR-SS-Ex  1NC 1NO
145016  GLHR-SS-Ex  3NC 1NO
145021  GLHR-SS-Ex  2NC
145022  GLHR-SS-Ex  2NC 2NO
142025  GLS-Ex  1NC 1NO
142028  GLS-Ex  2NC
142030  GLS-Ex  2NC 2NO
144025  GLSS-SS-Ex  1NC 1NO
144026  GLSS-SS-Ex  2NC
144030  GLS-SS-Ex  2NC 2NO

Enclosure Protection  Operating Temperature  Vibration  Classification
IP69K  IP67  -20° to +60°C  IEC 60068-2-6 10-50Hz±1Hz

Exposure: 0.33mm, 1 cycle/min
Excl IIC T6 (-20°C to +60°C) Gb
Ex tII 2BGC (-20°C to +60°C) Db
250V a.c.

Rated Voltage  Rated Current  Cable length
2 Pole 4A ac  4 Pole 2.5A ac  3m.
Kobra - Explosion Proof Tongue Interlock Switches

Tongue Interlock Switches for use in Hazardous Areas.
ATEX approved contact blocks. Gas and Dust (Zones 1, 2, 21, 22)

Functional Safety up to PLe ISO13849-1
IP69K suitable for harsh environments

Tongue Interlock Safety Switches for use in Hazardous Areas – positively operated ATEX Certified contact blocks.
For use in hazardous areas IECEx and ATEX EEEx d IIC T6. (Gas and Dust).
These switches conform to harmonized standards IEC/EN 60079-0 and IEC/EN 60079-1.
Suitable for European Zones 1, 2, and 21, 22. Designed for Petro-chemical and food applications where explosive atmospheres are present.

Ex d IIC T6 (-20°C to +60°C) Gb
Ex tb IIIc T85C (-20°C to +60°C) Db

Application:
IDEM ATEX approved Tongue operated Safety Interlock switches are designed to fit to the leading edge of sliding, hinged or lift off machine guards to provide positively operated switching contacts and provide a tamper resistant, not easily defeatable key mechanism.
They are designed to provide robust position interlock detection for moving guards within areas which have an explosion risk atmosphere.
Depending upon the risk assessment for the application, they can be used independently to provide positive interlocking to IEC 60947-5-1 or they can be used in combination with any dual channel safety monitoring relays to provide functional safety up to PLe ISO 13849-1 or SIL3 EN62061.

Operation:
The switch is rigidly mounted to the frame of the guard or machine. The actuator is fitted to the moving part (frame) of the guard and is aligned to the switch entry aperture. The actuator profile is designed to match a cam mechanism within the switch head and provides a positively operated not easily defeatable interlock switch. When the actuator is inserted into the switch the safety contacts close and allow the machine start circuit to be enabled. When the actuator is withdrawn from the switch the safety contacts are positively opened and the machine circuit is broken. The internal contact blocks are robust, fully encapsulated and pre-wired.

Features:
High Power Switching up to 230V.ac 4A.
1NC 1NO or 2NC or 2NC 2NO
High tolerance to guard misalignment

Enclosure Protected to IP67 and IP69K
Conformance to IEC 60947-5-1 Positively operated
Rotatable heads to give up to 8 actuator entry positions
Resistant to high temperature hosing and detergent washdown
Choice of actuators to suit mounting conditions and alignment

2 enclosure shapes are available providing Plastic, Die cast painted or Stainless Steel
High temperature stability up to 60°C.
Resistance to many organic and inorganic chemicals

www.idemsafty.com
Kobra - Explosion Proof Tongue Interlock Switches

**KP-Ex**

Polyester Housing
Zones 1 and 2
Zones 21 and 22
Gas and Dust IP67

Sales Number  | Type   | Pre-wired | Contacts |
-------------|--------|-----------|----------|
200016       | Kobra KP-Ex | 3m, 4 core | 1NC 1NO  |
200019       | Kobra KP-Ex | 3m, 4 core | 2NC      |
200026       | Kobra KP-Ex | 3m, 8 core  | 2NC 2NO  |
Stainless Steel Head Version
Add SS to Sales Part Number

**K-SS-Ex**

Stainless Steel 316 Housing
Zones 1 and 2
Zones 21 and 22
Gas and Dust IP67

Sales Number  | Type       | Pre-wired | Contacts |
-------------|------------|-----------|----------|
208016       | Kobra K-SS-Ex | 3m, 4 core | 1NC 1NO  |
208019       | Kobra K-SS-Ex | 3m, 4 core | 2NC      |
208026       | Kobra K-SS-Ex | 3m, 8 core  | 2NC 2NO  |
Add Actuator code to part number:
A-Standard, F-Flat, PF-Plastic Flexible, HF-Heavy Flexible, HFH-Heavy Flexible Stainless Steel

**KM-Ex**

Die Cast Housing
(Painted Red)
Zones 1 and 2
Zones 21 and 22
Gas and Dust IP67

Sales Number  | Type   | Pre-wired | Contacts |
-------------|--------|-----------|----------|
203016       | Kobra KM-Ex | 3m, 4 core | 1NC 1NO  |
203019       | Kobra KM-Ex | 3m, 4 core | 2NC      |
203026       | Kobra KM-Ex | 3m, 8 core  | 2NC 2NO  |
Stainless Steel Head Version
Add SS to Sales Part Number

**KM-SS-Ex**

Stainless Steel 316 Housing
Zones 1 and 2
Zones 21 and 22
Gas and Dust IP67

Sales Number  | Type       | Pre-wired | Contacts |
-------------|------------|-----------|----------|
204016       | Kobra KM-SS-Ex | 3m, 4 core | 1NC 1NO  |
204019       | Kobra KM-SS-Ex | 3m, 4 core | 2NC      |
204026       | Kobra KM-SS-Ex | 3m, 8 core  | 2NC 2NO  |
Add Actuator code to part number:
A-Standard, F-Flat, PF-Plastic Flexible, HF-Heavy Flexible, HFH-Heavy Flexible Stainless Steel

Standards
IEC/EN 60079-0  IEC/EN 60079-1
EN1088  IEC 60947-5-1  EN 60204-1
ISO 13849-1  EN62061  EN 954-1  UL508

Safety Classification and Reliability Data:
Mechanical Reliability B10d 2.5 x 10^6 operations at 100mA load
up to Category 4 with Safety Relay
up to PLe depending upon system architecture
Safety Data - Annual Usage 8 cycles per hour / 24 hours per day / 365 days
PPHd 3.54 x 10^4
Proof Test Interval (Life) 35 years
MTTFd 356 years

Travel for Positive Opening 8mm
Actuator entry minimum radius 175mm Standard
Enclosure Protection IP66K IP67
-30°C +40°C
Vibration IEC 68-2-6, 10.5Hz+1Hz,
Excursion: 0.35mm, 1 octave/min
Ex d IIC T85°C (-20°C to +80°C)
Db
Rated Voltage 250V a.c.
Rated Current 2 Pole 4A.ac  4 Pole 2.5A.ac
Cable length 3m.