IDEM KM Interlock switches are designed to provide position interlock detection for medium to heavy duty moving guards. They have robust die-cast housings and are designed to fit to the leading edge of sliding, hinged or lift off machine guards. They provide a forced disconnect of the safety contacts at the withdrawal of the actuator and have an anti-tamper mechanism. The rotatable heads have dual actuator entry positions to give up to 8 different entry positions. For extra durability, Flexible Actuators and Stainless Steel head versions are available. Contact blocks are replaceable with optional explosion proof versions. High holding force versions are available for applications where vibration can be a nuisance.

FEATURES:
- The head can be rotated to give 8 actuator entry positions.
- Designed with a removable lid to fit replaceable contact blocks.
- Flexible actuators are available and the KM is available with a Stainless Steel head.

FUNCTIONAL SPECIFICATIONS:
- Positive Break Contacts to EN60947-5-1
- High Functional Safety to ISO13849-1
- 3 pole, 4 pole or Explosion Proof Contact Blocks
- Stainless Steel Head version available
- Connects to most Safety Relays to give up to PLe Cat.4

Industry Standard Fitting:
- 118mm long 40mm wide 30mm fixing

CONTACT BLOCK OPTIONS:

DIMENSIONS:
- PROOF ENTRY
- Maximum Approach/Withdrawal Speed
- 2.5 x 10^6 operations at 100mA load
- Up to PLe depending upon system architecture
- Up to SIL3 depending upon system architecture
- 8 cycles per hour/24 hours per day/365 days
- 3.44 x 10^6
- Proof Test Interval (Life) 35 years
- MTTFd
- Thermal Current (Ith) 5A
- Rated Insulation/Withstand Voltages 500Vac/2500Vac
- 8mm
- Travel for Positive Opening 175mm Standard 100mm Flexible
- Body Material
- Head Material
- Enclosure Protection
- IEC 60884-1
- IP67
- 25C +80C
- Die Cast (Painted Red) or Stainless Steel 316
- Various (See Sales Number)
- 4 x M5
KOBRA - Tongue Operated Switch (Metal) Type: KM

CONTACT OPERATION AT WITHDRAWAL OF ACTUATOR

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<tr>
<th></th>
<th>2NC 1NO</th>
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ACCESSORIES (see p70-75)

Maintenance Lockout Actuator

Fits to switch aperture during maintenance and provides multiple padlock holes.

Chained Actuator

Flat Actuator supplied with 300mm (12") chain. Can be used where poor alignment exists and provides manual insertion of actuator by operator.

GBA-1 Gate Bolt

Shown fitted with KM Tongue Switch.

APPLICATION EXAMPLE

For all IDEM switches the normally closed (NC) circuits are closed when the guard is closed actuator inserted.

SALES NUMBER | CONTACTS | M20 | 1/2” NPT | QC M23 | QC M12 |
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Ordering example: Kobra KM M20 2NC 1NO with Heavy Duty Flexible Actuator:

Sales Number: 203001-HF

Gold Plated Contacts available for low power circuits (5V 5mA).

Add GC to Sales Number e.g. 203001-A-GC

Also available with 3NO Contacts for use as indication purposes only. Please contact us for further information.