

IDEM - TONGUE INTERLOCK SAFETY SWITCHES – KP

KP

200013F
 KP M20 '4NC' - flat actuator

- 4 Actuator entry positions with a rotatable head
- 3 pole or 4 pole contact blocks
- 3 conduit entries
- 52mm x 98mm 40mm fixing
- IP67 ingress protection rating



PRODUCT DESCRIPTION

Features

IDEM KP Interlock switches are designed to provide position interlock detection for moving guards. They 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 not easily defeatable mechanism. The head can be rotated to give 4 actuator entry positions. For extra durability, Flexible Actuators and Stainless Steel head versions are available.



Contact blocks are replaceable with optional explosion proof versions. They are sealed to IP67 and survive most wash down solutions due to the high specification materials.

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: 52mm wide 98mm long 40mm fixing

TECHNICAL DATA

Actuator	Flat
Annual usage	8 cycles per day/24 hours per day/365 days
Approvals	ISO 14119, EN60947-5-1, EN60204-1, ISO 13849-1, EN62061, UL 508
ATEX approved	No
Conduit entry	M20
Contacts	4NC

Head material	Polyester
Housing material	Polyester
IP class	IP67
Maximum approach / withdrawal speed	600 mm/s
Mechanical reliability B10d	2.5 x 10 ⁶ operations at 100mA load
Mounting	2 x M5
MTTFd	356 years
Operating temperature	-25..80°C
PFHd	3.44 x 10 ⁻⁸
PL	e acc. ISO13849-1
Rated insulation voltage	500V ac
SIL	3 acc. EN62061
Thermal current (I_{th})	5 A
Withstand voltage	2500V ac





