

IDEM'S Next Generation Stainless Steel Switches

Designed to satisfy Food, Beverage, Pharmaceutical & Chemical Industries



Safety Switches from IDEM

Designed and manufactured in the UK

For latest new products please visit our website.



www.idemsafety.com

NEW for 2009

IP69K Fully Stainless Steel Safety Switches from IDEM

Designed for Food and Beverage applications where long mechanical life, resistance to food contamination and high pressure cleaning is required.
Suitable for CIP cleaning Fully Stainless Steel Housing and fittings - IP69K and IP67
Tested 80C. and 100 bar chemical wash down

Mechanical Interlock Switches



HYGIECAM K-SS

Universal fitting - established footprint suitable for most general applications
60 mm wide 100 mm long
Replaceable contact blocks
Head can be rotated to give 4 actuator entry positions
Standard or Flexible actuators

| | | |
|----------------------|----------------------|----------------|
| Standards | IEC 947-5-1 | UL508 |
| Enclosures | Stainless Steel 316 | |
| Enclosure protection | IP69K IP67 | |
| Fittings | Stainless Steel 316 | |
| Ambient Temperature | -25C. 80 C. | |
| Mechanical Life | 2,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO | 3NC/1NO |
| | 2NC/2NO | 4NC |



HYGIECAM KM-SS

Slim fitting suitable for all industry applications. Mirror surface finish
40 mm wide 118 mm long
Head will rotate without removal to protect the head assembly and prevent tampering.
Offers 8 actuator entry positions
Standard or Flexible actuators
ATEX Explosion Proof versions

| | | |
|------------------------|----------------------|-------------------|
| Standards | IEC 947-5-1 | UL508 |
| Enclosures | Stainless Steel 316 | |
| Enclosure protection | IP69K IP67 | |
| Fittings | Stainless Steel 316 | |
| Ambient Temperature | -25C. 80 C. | |
| Mechanical Life | 2,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO | 3NC/1NO |
| | 2NC/2NO | 4NC |
| Explosion proof blocks | 1NC/1NO | 2NC pre-wired 3m. |

Mechanical Interlock Switch with Guard Locking – 2500N

Mirror polished finish – Stainless Steel 316



HYGIELOCK KL3-SS

Provides Guard Locking up to 2500N.
Power solenoid to unlock
Choice of 24V 110V 230V operation
Slim 48mm wide fitting 180mm long
The fixing holes are under the cover of the switch to prevent food trap areas
Suitable for all industry applications
2 LED'S provide independent diagnostics of solenoid and lock status
Standard or Flexible actuators

| | | |
|----------------------|----------------------|----------------|
| Standards | IEC 947-5-1 | UL508 |
| Enclosures | Stainless Steel 316 | |
| Enclosure protection | IP69K IP67 | |
| Fittings | Stainless Steel 316 | |
| Ambient Temperature | -25C. 60 C. | |
| Mechanical Life | 2,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact arrangements | 4NC | 1NO |
| | 2500N. | (250Kg) |
| Holding Force | Solenoid status | |
| LED 1 | Actuator lock Status | |
| LED 2 | | |

Guardian Line Series – Grab Wire Safety Rope Switches



HYGIEROPE GLHD-SS

The GLHD-SS is a Stainless Steel Heavy Duty Rope Pull switch designed to protect long conveyors up to 250m. with one switch. Longer lengths can be protected by connecting switches together
The fixing holes are under the cover of the switch to prevent food trap areas
ATEX Explosion proof versions

| | | |
|-------------------------|----------------------------|----------------|
| Enclosure / Cover | Stainless Steel 316 | |
| External Parts | Stainless Steel 316 | |
| IP Rating | IP69K IP67 | |
| Ambient Temperature | -25C. 80 C. | |
| Typical Operating Force | < 125N. < 300mm Deflection | |
| Mechanical Life | 1,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 4NC/2NO | |
| | 1NC/1NO | pre-wired 3m. |
| Explosion proof blocks | 2NC | pre-wired 3m. |
| | 3NC/1NO | pre-wired 3m. |
| | 2NC/2NO | pre-wired 3m. |



HYGIEROPE GLS-SS

The GLS-SS is a Stainless Steel version General Duty switch designed to protect conveyor lengths up to 100m.
The fixing holes are under the cover of the switch to prevent food trap areas
LED 2 colour status indication
ATEX Explosion proof versions

| | | |
|-------------------------|----------------------------|----------------|
| Enclosure / Cover | Stainless Steel 316 | |
| External Parts | Stainless Steel 316 | |
| IP Rating | IP69K IP67 | |
| Ambient Temperature | -25C. 80 C. | |
| Typical Operating Force | < 125N. < 300mm Deflection | |
| Mechanical Life | 1,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 3NC/1NO | 2NC/2NO 4NC |
| | 1NC/1NO | pre-wired 3m. |
| Explosion proof blocks | 2NC | pre-wired 3m. |



UK Head Office: Idem Safety Switches Ltd, Unit E9, Moss industrial Estate, St. Helens Road, Leigh, Lancashire, WN7 3PT, UK.
Tel: + 44 - (0) 1942 - 261000 Fax: + 44 - (0) 1942 - 676293
E-mail: sales@idemsafety.com

USA Sales Office : 3909 - Washington Blvd. 204, Fremont, CA 94538
Tel: 510 - 445 - 0751 Fax: 510 - 445 - 1573
E-mail: salesusa@idemsafety.com

NEW for 2009

IP69K Fully Stainless Steel Non Contact Safety Switches from IDEM

HYGIENIC - Non Contact Interlock Switches

Industry established universal fittings - suitable for all applications
 Robust - designed for long life, withstands Mechanical Shock and Vibration – High temperature 105C.
 Rear mounting hole versions, completely free from food trap areas. Suitable for CIP and SIP high-pressure hose cleaning – IP69K

Mirror polished finish – Stainless Steel 316

HYGIECODE Line
Coded Actuation with LED

HYGIEMAG Line
Magnetic Actuation - High Power



SMC

Small Stainless Steel Hygienic fitting
 Compact 50mm long - 22mm fixing hole centre
 2NC 1NO circuits
 High tolerance to guard misalignment

Magnetic sensing 12mm
 Coded sensing 14mm



SMC-F

Small Stainless Steel Hygienic with rear fixing holes
 Compact 50mm long - 22mm fixing from rear
 No food trap areas visible from the front after installation
 2NC 1NO circuits
 High tolerance to guard misalignment

Magnetic sensing 12mm
 Coded sensing 14mm



CMC

Compact Stainless Steel Hygienic fitting
 Slim fitting 20mm wide - suitable for all industry applications.
 Easy to install within narrow frame structures
 2NC 1NO circuits

Magnetic sensing 14mm
 Coded sensing 14mm



CMC-F

Compact Stainless Steel Hygienic with rear fixing holes
 Slim fitting 20mm wide - suitable for all industry applications
 Rear mounting holes, no food trap areas visible from the front after installation.
 Easy to install within narrow frame structures
 2NC 1NO circuits

Magnetic sensing 14mm
 Coded sensing 14mm



LMC

All available in cable lengths 2m, 5m, 10m, or M12 Quick connect flying lead



SMR



SMR-F



CMR



CMR-F



WMR

HYGIECODE Line

| | | |
|----------------------|----------------------|-------|
| Standards | IEC 947-5-3 | UL508 |
| Enclosures | Stainless Steel 316 | |
| Enclosure protection | IP69K IP67 | |
| Sensing | 14 – 16mm typical | |
| Misalignment | 6mm in any direction | |
| Ambient Temperature | -25C. 105 C. | |
| Mechanical Life | 3,300,000 operations | |
| Operational Rating | 24V, 200mA | |
| Circuits | 2NC 1NO or 2NC | |
| LED | Indication of 2NC | |

HYGIEMAG Line

| | | |
|----------------------|--|-------|
| Standards | IEC 947-5-3 | UL508 |
| Enclosures | Stainless Steel 316 | |
| Enclosure protection | IP69K IP67 | |
| Sensing | 12 – 14 mm typical | |
| Misalignment | 8mm in any direction | |
| Ambient Temperature | -25C. 105 C. | |
| Mechanical Life | 3,300,000 operations | |
| Operational Rating | 240V, 1A. Standard Duty | |
| Circuits | 240V, 2A. Heavy Duty 2NC 1NO or 2NC | |

Wide fitting Stainless Steel Hygienic fitting

Wide 'industry' fitting' suitable for all applications.
 Robust - easy to install
 High Power switching 2A.

Magnetic sensing 14mm
 Coded sensing 14mm



Tongue Interlock Safety Switches



IDIS - 1

Compact yet robust fitting suitable for all small guard applications.
Withstands environments where high humidity or hose down is required
Suitable for Food Processing and Petro-Chemical Industries

| | | |
|----------------------|-----------------------|----------------|
| Standards | IEC 947-5-1 | UL508 |
| Enclosure | UL approved polyester | |
| Enclosure protection | IP67 | |
| Ambient Temperature | -25C. 80 C. | |
| Mechanical Life | 2,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO | 3NC |
| | 1NC/1NO | Snap action |



KOBRA - KP

Universal fitting - established footprint suitable for most general applications
High specification materials
Withstands environments where high humidity or hose down is required.
Suitable for Food Processing and Petro-Chemical Industries
Robust - designed for long life

| | | |
|------------------------|-----------------------|-------------------|
| Standards | IEC 947-5-1 | UL508 |
| Enclosure | UL approved polyester | |
| Enclosure protection | IP67 | |
| Head Cover | UL approved polyester | |
| Ambient Temperature | -25C. 80 C. | |
| Mechanical Life | 2,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO | 3NC/1NO |
| | 2NC/2NO | 4NC |
| Explosion proof blocks | 1NC/1NO | 2NC pre-wired 3m. |



Explosion proof version



KOBRA - KM

Robust die cast housing
Slim fitting suitable for all industry applications.
Designed to fit to applications where impact resistance is required
Available with Stainless Steel Head and Flexible actuator to provide durable long life
8 Head positions – head will rotate without removal to protect the head assembly and prevent tampering

| | | |
|------------------------|-----------------------|-------------------|
| Standards | IEC 947-5-1 | UL508 |
| Enclosure | Die-cast –painted red | |
| Head Cover | Die-cast –painted red | |
| Enclosure protection | IP67 | |
| Ambient Temperature | -25C. 80 C. | |
| Mechanical Life | 2,500,000 operations | |
| Operational Rating | AC15 | A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO | 3NC/1NO |
| | 2NC/2NO | 4NC |
| Explosion proof blocks | 1NC/1NO | 2NC pre-wired 3m. |



Explosion proof version



SEZYLOCK-KLP

Compact Locking switch suitable for medium to heavy duty guards
Provides 2NC safety contacts and 1NO auxiliary contact plus LED diagnostics to suit all modern applications.
Designed for tough applications where high IP rating and durable enclosures are required
Ideal for Food and Pharmaceutical applications due to Stainless Steel head and high specification plastic body
8 Head positions

Plastic Guard Locking Switches - 2000N

| | |
|----------------------------|-----------------------------------|
| Solenoid Voltage | 24V ac/dc or 110V. ac or 230V. ac |
| Utilization Category | AC15 A300 240V. 3A. |
| Case Material | UL approved polyester |
| Head material | Stainless Steel 316 |
| | LED 1 Solenoid energised |
| | 24V.dc LED 2 Guard Locked |
| Enclosure Protection | IP67 |
| Operating Temperature | -25°C to 60°C |
| Mechanical Life Expectancy | 2,500,000 |
| Safety contacts | 2NC |
| Auxiliary contact | 1NO |



SAMLOCK-KLM

Die Cast Locking Switch offering Heavy Duty Guard Locking up to 2500N.
Provides 4NC safety contacts and 1NO auxiliary contact plus LED diagnostics to suit all modern applications
Designed for tough applications where high IP rating, durable enclosures are required.
The 3 conduit entries and 40mm fixing provide maximum flexibility to install to all applications
High specification IP67 seal is designed to survive frequent washdown and give long life

Metal Guard Locking Switches - 2500N

| | |
|----------------------------|-----------------------------------|
| Solenoid Voltage | 24V ac/dc or 110V. ac or 230V. ac |
| Utilization Category | AC15 A300 240V. 3A. |
| Case Material | Die-cast –painted red |
| Head material | Die-cast –painted red |
| | LED 1 Solenoid energised |
| | 24V.dc LED 2 Guard Locked |
| Enclosure Protection | IP67 |
| Operating Temperature | -25°C to 60°C |
| Mechanical Life Expectancy | 2,500,000 |
| Safety contacts | 4NC |
| Auxiliary contact | 1NO |



UK Head Office: Idem Safety Switches Ltd, Unit E9, Moss industrial Estate, St.Helens Road, Leigh, Lancashire, WN7 3PT,UK.
Tel: + 44 - (0) 1942 - 261000 Fax: + 44 - (0) 1942 - 676293
E-mail: sales@idemsafety.com

USA Sales Office : 3909 - Washington Blvd. 204, Fremont, CA 94538
Tel: 510 - 445 - 0751 Fax: 510 - 445 - 1573
E-mail: salesusa@idemsafety.com

Non Contact Safety Switches



SCR-2

Power Supply 24V.dc
 Safety Category Up to Cat. 4 EN 954-1 PLe ISO13849-1
 Switch Inputs 2 x Dual Channel NC/NC
 Outputs 2NC Relay
 Activation Manual or Automatic
 Operational Rating AC12 250V.ac 6A.
 DC13 24V.dc 2A.

The SCR-2 and SCR-3 are all purpose Safety Monitoring Relays that ensure the quick and safe deactivation of the moving parts of a machine in case of danger. Applications include single and dual channel Emergency Stop circuits or dual channel safety guard monitoring using Tongue switches or Non Contact Switches.



SCR-3

Power Supply 24V.ac/dc 110V.ac 230V.ac
 Safety Category Up to Cat. 4 EN 954-1 PLe ISO13849-1
 Switch Inputs 2 x Dual Channel NC/NC
 Outputs 3NC 1NO Relay
 Activation Manual or Automatic
 Operational Rating AC12 250V.ac 6A.
 DC13 24V.dc 2A.

Manual or Automatic reset

Standards: EN 60204-1, EN954-1, ISO13849-1
 Stop Category: 0
 Single or Dual Channel input
 Force guided safety output contacts
 22mm Din Rail Mounting



SCR-4-TD

Power Supply 24V.ac/dc
 Safety Category Up to Cat. 4 EN 954-1 PLe ISO13849-1
 Switch Inputs 2 x Dual Channel NC/NC
 Outputs 3NC Instant 1NC Delayed 1-30s.
 2NC Instant 2NC Delayed 1-30s.
 1NC Instant 3NC Delayed 1-30s.
 (by part number)
 Activation Manual or Automatic
 Operational Rating AC12 250V.ac 6A.
 DC13 24V.dc 2A.

The SCR-4-TD is an all purpose Safety Monitoring relay providing a combination of instant and variable delayed contacts, (adjustable 1-30s).

This may be useful for applications that rely on PLC control to provide an initial controlled shutdown but ultimately requires a delayed opening of a safety circuit.

Application is the same as SCR-2 and SCR-3, either Dual or Single channel input, and can be configured for Auto or Manual start.



SEU-1

Power Supply 24V.ac/dc 110V.ac 230V.ac
 Switch Inputs 2 x Dual Channel NC/NC
 Outputs 3NC 1NO Relay
 Activation From SCR2 / 3
 Operational Rating AC12 250V.ac 6A.
 DC13 24V.dc 2A.

The SEU-1 is an expansion unit which offers 3 additional NC Safety Output Contacts. An existing system using SCR-2 or SCR-3 can be expanded modularly. The safety actuation is achieved from the basic SCR-2 or SCR-3 relay.



SEU-TD-1

Power Supply 24V.ac/dc 110V.ac 230V.ac
 Switch Inputs 2 x Dual Channel NC/NC
 Outputs 3NC 1NO Relay (delayed)
 Activation From SCR2 / 3
 Time Delay 1-30s. Variable
 Operational Rating AC12 250V.ac 6A.
 DC13 24V.dc 2A.

The SEU-TD-1 is an expansion unit which can be used with an existing system using SCR-2 or SCR-3 to allow delayed shutdown or timing to a safety application. Time Delay is variable 1-30s. The safety actuation is achieved from the basic SCR-2 or SCR-3 relay.

Modus - Plug and Expand Safety Control Modules



The MODUS 'Plug and Expand' relay system is ideal for the prevention of dangerous states at small, middle and large installations.

For these applications you often have several emergency stop or interlock switches which supervise different parts of the machine. In some cases of danger you have to stop only one part of the installation while the other functions can continue. Grouping can be achieved by a simple connection wire between modules.

The Master Module (44mm wide) is a complete safety monitoring relay with 2 dual - channel input contacts and 3 force guided safety output contacts.

Expansion is possible at anytime by adding (plugging) either additional input modules (for connection of extra switches) or additional output modules (for the addition of output switching circuits) – 22.5mm wide.

Modus grows according to your installation - just insert a new input or output module the system is self-configuring with no programming and the highest safety category EN954-1 Cat. 4 and SIL3 EN61508 is maintained at all times.



UK Head Office: Idem Safety Switches Ltd, Unit E9, Moss industrial Estate, St.Helens Road, Leigh, Lancashire, WN7 3PT,UK.
 Tel: + 44 - (0) 1942 - 261000 Fax: + 44 - (0) 1942 - 676293
 E-mail: sales@idemsafety.com

USA Sales Office : 3909 - Washington Blvd. 204, Fremont CA 94538
 Tel: 510 - 445 - 0751 Fax: 510 - 445 - 1573
 E-mail: salesusa@idemsafety.com

SCR Series - Safety Relays

MAGNETIC ACTUATION – HIGH POWER



CODED ACTUATION and LED

High specification components providing up to 2A, 230V. switching
 2NC 1NO circuits for use in all popular control applications – internally fused
 Satisfies up to EN 954-1 Cat.4 and ISO13849-1 PLe with safety module
 Satisfies IEC947-5-3 PDF-S PDF-D

2NC 1NO electronic circuits for use in all popular control applications
 LED indication on all switches
 Satisfies up to EN 954-1 Cat.4 and ISO13849-1 PLe with safety module
 Satisfies IEC 947-5-3 PDF-S

Specified up to 80C. but designed to work up to 100C.

All switches will operate with most safety relays to provide up to: PLe (ISO 13849-1) SIL3 (EN62061) Cat.4 (EN954-1)

Hygienic
Screw Caps



MPR



SPR



CPR



LPR



WPR

Miniature Plastic fitting

Compact fitting suitable for all small guard applications
 Cable exit Left or Right
 Hygienic screw cap covers ensure suitability for Food Processing washdown.
 Cost effective interlock solution
 Magnetic sensing 12mm
 Coded sensing 10mm

Small Plastic fitting

Universal fitting - established footprint
 suitable for most general applications
 Withstands environments where high humidity or hose down is required.
 Magnetic sensing 12mm
 Coded sensing 14mm

Compact Plastic fitting

Slim fitting suitable for all industry applications.
 Easy to install within narrow frame structures
 Magnetic sensing 14mm
 Coded sensing 14mm

Euro fitting

Popular European fitting suitable for all industry applications.
 Narrow fitting for flush mounting
 Unique Long Life High Power switching
 Magnetic sensing 12mm
 Coded sensing 14mm

Wide Industry fitting

Wide Robust polyester housing, established footprint fitting
 Designed to fit to medium to large guards.
 High Power switching up to 2A.
 Wide 14mm sensing, high tolerance to misalignment



MPC



SPC



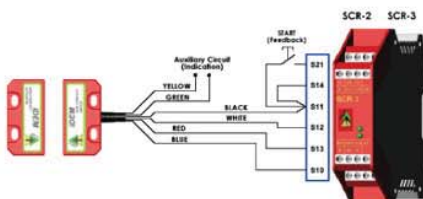
CPC



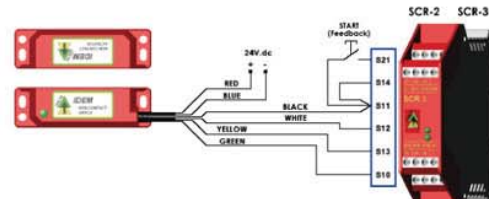
LPC



KPC



When used in combination with Dual Channel Safety Modules they can be used to provide up to Category 4 to EN 954-1 and PLe ISO13849-1.



UK Head Office: Idem Safety Switches Ltd, Unit E9, Moss industrial Estate, St. Helens Road, Leigh, Lancashire, WN7 3PT, UK.
 Tel: +44 - (0) 1942 - 261000 Fax: +44 - (0) 1942 - 676293
 E-mail: sales@idemsafety.com

USA Sales Office: 3909 - Washington Blvd. 204, Fremont, CA 94538
 Tel: 510 - 445 - 0751 Fax: 510 - 445 - 1573
 E-mail: salesusa@idemsafety.com

Guardian Line Series-Grab Wire Safety Rope Switches



GLHD

The GLHD is a Heavy Duty switch designed to protect long conveyor lengths up to 250m.

The metal housings are robust to survive indoor or outdoor use

Lengths over 2 Km can be achieved with less than 20 switches

A two colour LED ensures switch status can be seen easily from a distance.

Steady Green – Run Flashing Red - Stop

Shorter rope spans up to 200m. can be achieved by using just one switch therefore making a cost effective solution and also reducing electrical wiring runs

| | |
|-------------------------|--|
| Enclosure / Cover | Die-Cast – Painted Yellow |
| External Parts | Stainless Steel |
| IP Rating | IP67 |
| Ambient Temperature | -25C. 80 C. |
| Typical Operating Force | < 125N. < 300mm Deflection |
| Mechanical Life | 1,500,000 operations |
| Operational Rating | AC15 A300 240V. 3A. |
| Contact Arrangements | 4NC 2NO |
| Explosion proof blocks | 1NC/1NO pre-wired 3m. 2NC pre-wired 3m. 3NC/1NO pre-wired 3m. 2NC/2NO pre-wired 3m. |



GLH - L

The GLH-L is a Heavy Duty switch designed to protect long conveyor lengths where protection is required up to 125m. using two switches or up to 100m. using a single switch.

They are available Left or Right hand and can be used to compliment the GLHD versions at each end of the rope span.

| | |
|-------------------------|--|
| Enclosure / Cover | Die-Cast – Painted Yellow |
| External Parts | Stainless Steel |
| IP Rating | IP67 |
| Ambient Temperature | -25C. 80 C. |
| Typical Operating Force | < 125N. < 300mm Deflection |
| Mechanical Life | 1,500,000 operations |
| Operational Rating | AC15 A300 240V. 3A. |
| Contact Arrangements | 4NC 2NO |
| Explosion proof blocks | 1NC/1NO pre-wired 3m. 2NC pre-wired 3m. 3NC/1NO pre-wired 3m. 2NC/2NO pre-wired 3m. |



GLH - R

The GLH-R is a Heavy Duty switch designed to protect long conveyor lengths where protection is required up to 125m. using two switches or up to 100m. using a single switch.

They are available Left or Right hand and can be used to compliment the GLHD versions at each end of the rope span.

| | |
|-------------------------|--|
| Enclosure / Cover | Die-Cast – Painted Yellow |
| External Parts | Stainless Steel |
| IP Rating | IP67 |
| Ambient Temperature | -25C. 80 C. |
| Typical Operating Force | < 125N. < 300mm Deflection |
| Mechanical Life | 1,500,000 operations |
| Operational Rating | AC15 A300 240V. 3A. |
| Contact Arrangements | 4NC 2NO |
| Explosion proof blocks | 1NC/1NO pre-wired 3m. 2NC pre-wired 3m. 3NC/1NO pre-wired 3m. 2NC/2NO pre-wired 3m. |



GLS

The GLS a General Duty switch designed to protect conveyor lengths where protection is required up to 80m. using two switches or up to 60m. using a single switch

They are supplied with a mushroom type Emergency Stop button which can be fitted to the side of the switch to offer an extra traditional Emergency Stop function close to the switch, or can be fitted later after installation without any extra wiring.

| | |
|-------------------------|--|
| Enclosure / Cover | Die-Cast – Painted Yellow |
| External Parts | Stainless Steel |
| IP Rating | IP67 |
| Ambient Temperature | -25C. 80 C. |
| Typical Operating Force | < 125N. < 300mm Deflection |
| Mechanical Life | 1,500,000 operations |
| Operational Rating | AC15 A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO 3NC/1NO 2NC/2NO 4NC |
| Explosion proof blocks | 1NC/1NO pre-wired 3m. 2NC pre-wired 3m. |



GLM

The GLM a compact Mini Duty switch designed to protect short conveyor lengths where protection is required up to 50m. using two switches or up to 30m. using a single switch.

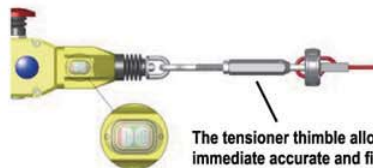
They provide reliable, cost effective safety solutions for conveyor systems and can be enhanced by adding external mushroom type E Stop at the switch or two colour LED available to show switch status.

| | |
|-------------------------|--------------------------------|
| Enclosure / Cover | Die-Cast – Painted Yellow |
| External Parts | Stainless Steel |
| IP Rating | IP67 |
| Ambient Temperature | -25C. 80 C. |
| Typical Operating Force | < 125N. < 300mm Deflection |
| Mechanical Life | 1,500,000 operations |
| Operational Rating | AC15 A300 240V. 3A. |
| Contact Arrangements | 2NC/1NO 3NC/1NO 2NC/2NO 4NC |

Reliable connectivity:

Tensioning of rope is achieved by the use of IDEM's new patented Tensioner / Gripper accessory.

Traditional clamp systems are difficult to tension and adjust and frequent re-tensioning or maintenance is often required.



The tensioner thimble allows immediate accurate and final tensioning of the rope, whilst viewing the tension marker through the viewing window on the switch.



For systems up to 50m. a Quick Link clamp is provided at one end for easy connection to either a Safety Spring or Switch eyebolt.



UK Head Office: Idem Safety Switches Ltd, Unit E9, Moss industrial Estate, St.Helens Road, Leigh, Lancashire, WN7 3PT,UK.
Tel: + 44 - (0) 1942 - 261000 Fax: + 44 - (0) 1942 - 676293
E-mail: sales@idemsafety.com

USA Sales Office : 3909 - Washington Blvd. 204, Fremont, CA 94538
Tel: 510 - 445 - 0751 Fax: 510 - 445 - 1573
E-mail: salesusa@idemsafety.com

Explosion Proof Versions



GLHD-Ex



GLS-Ex



KM-Ex



K-SS-EX



KP-Ex

Safety Limit Switches - Type LSPS EN 50047 - Plastic Body



IEC947-5-1 EN50047 Polyester Housing IP67 AC15 A300 240V. 3A. -25°C Max 80°C High Mechanical Life 10,000,000
 Rotary or Linear action 2NC 1NO - 3NC or 1NC 1NO Snap Block M20 or 1/2" NPT Conduit entry

Safety Limit Switches - Metal Body & Plastic Body



IEC947-5-1 IP67 AC15 A300 240V. 3A. -25 C Max 80 C High Mechanical Life 5,000,000
 Rotary or Linear action 2NC 1NO or 1NC 1NO Snap Block Side or bottom cable exit

Hinge Interlock Safety Switch - Type IDIS - 2



Compact Hinge Interlock switch designed to provide robust position interlock detection for hinged guard doors. The steel actuator is designed to fix easily to the guard door frame and provide a positively operated interlock mechanism. Universal fitting-can be operated through 180 degrees

Standards IEC 947-5-1 UL508
 Enclosure UL approved polyester
 IP67
 Ambient Temperature -25C. 80 C.

Mechanical Life 2,500,000 operations
 Operational Rating AC15 A300 240V. 3A.
 Contact Arrangements 2NC/1NO 3NC
 1NC/1NO Snap action

Emergency Stop Switches - Types ES-P ES-SS GLES GLES-SS

IEC947-5-1 ISO13850 EN418



ES-P (Plastic)

IP67 2 Conduit Entries
 3NC or 2NC 1NO contacts



ES-SS (Stainless Steel)

IP69K High Temperature Hose proof
 2 or 3 Conduit Entries
 3 or 4 pole contacts 2NC 1NO 2NC 2NO or 3NC 1NO
 Optional 2 colour LED
 ATEX Explosion Proof versions



ESL-SS



GLES (Die Cast Painted Yellow)

4 Conduit Entries 4NC 2NO contacts
 2 colour LED IP67 / IP69K (S/Steel)
 ATEX Explosion Proof versions



GLES-SS (Stainless Steel 316)

If you are interested in distributing our Products, please email us direct.
 Medi Motasham Managing Director medi@idemsafety.com



UK Head Office: Idem Safety Switches Ltd, Unit E9, Moss industrial Estate, St.Helens Road, Leigh, Lancashire, WN7 3PT,UK.
 Tel: + 44 - (0) 1942 - 261000 Fax: + 44 - (0) 1942 - 676293
 E-mail: sales@idemsafety.com

USA Sales Office : 3909 - Washington Blvd. 204, Fremont CA 94538
 Tel: 510 - 445 - 0751 Fax: 510 - 445 - 1573
 E-mail: salesusa@idemsafety.com