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IDEM STAINLESS STEEL IP69K GRAB WIRE SAFETY ROPE SWITCH GLS-SS

144001
GLS-SS M20 '3NC 1NO'



- Up to 80m using just one switch
- Many possible contact arrangements
- Bi - colour LED
- Integrated emergency stop button

PRODUCT DESCRIPTION

The GLS-SS is general duty safety rope pull switch designed to protect long conveyor lengths up to 100m.
The Stainless Steel 316 housings are designed specifically to withstand the harsh environments found in the food and pharmaceutical industries. The fixing holes are under the cover of the switch to prevent food trap areas and will survive chemical and detergent washdown by providing all stainless steel parts and robust IP67 and IP69K sealing by ysing integral bellows and gaskets.
An easily visible bi-colour LED is available to show switch status from a distance and they have a choice of 3 pole, 4 pole or explosion proof contact blocks to ensure flexibility with all modern control applications.
Shorter rope spans up to 80m can be achieved by using just one switch therefore making a cost-effective solution and also reducing electrical wiring runs.

TECHNICAL DATA

Annual usage	8 cycles per hour/24 hours per day/365 days
Approvals	EN60947-5-5, ISO 13850, ISO 13849-1, EN62061, EN60947-5-1, UL 508
Conduit entry	3 x M20
Contact type	EN60947-5-1 double break type Zb, snap action up to 4NC (positive break) 2NO (auxiliary)
Contacts	3NC 1NO
Housing material	Stainless steel 316
Integrated emergency stop button	No
Integrated LED indication	No
IP class	IP69K, IP67
Material contacts	Silver
Mechanical reliability B10d	1.5 x 10^6 operations at 100mA load

Mounting	4 x M5
MTTFd	214 years
Operating temperature	-25°C +80°C
PFHd	<1.0 x 10^{-7}
PL	upp till Ple
Rope span	Up to 100m (2 switches) 80m (1 switch)
Rope tension device	IDEM tensioner/gripper (quick fixing)
Rope type	4.00mm outside diameter. Steel inner - PVC sheath
Short circuit overload protection	Fuse externally 10A(FF)
SIL	upp till SIL3
Tension force (typical mid setting)	130 N
Termination	Clamp up to 2.5mm² conductors
Thermal current (Ith)	10 A
Typical operating force (rope pulled)	<125N <300m deflection
Weight	1810 g











