kiepe.INDUSTRY

EMERGENCY STOP SWITCH

LRS 0xx

 # 93.046 690.0xx



- Robust Stainless-Steel Housing
- Single-Side Pull Rope Installation up to 1x75m
- Adjustment Display
- Integrated Slack-Line Detection
- Safety Device according to Machine Directive

Function

The Kiepe LRS 0xx is a compact pull rope emergency stop switch with integrated slack-line detection and latching. With one movement, an emergency stop signal can be triggered by pulling or relaxing the pull rope over a distance up to 75m. An adjustment display in the cover makes it easy to check the operating position. In this position, the switch can be reset via the reset lever.

Special Features

The xx is not only a pull-wire emergency switch, but can also be used as a machine emergency stop in exposed places on the machine due to its added emergency stop mushroom head button. For a proper function, it requires pre-tensioning to reach its working position. And the LRS 0xx has CE, UL and UKCA Certification.

Equipment

Equipped with positive opening safety contacts auxiliary contacts, the LRS 0xx is used in safety control circuits in accordance with the Machinery Directive. The Kiepe device is equipped with an adjustment display, the enclosure contains three thread holes for more flexibility in cable installation for a continuous wiring. Additionally, high-quality, precision-fit components for ripcord installation can be ordered from Kiepe.

Application area

The emergency stop device has been developed for installation in electrical safety circuits in stationary belt conveyors for bulk material. Due to its compact designand integrated Maschine E-Stop it is used at short conveyors with affiliated control platform f. ex. in the sand, gavel, cement industry or conditioned industrial automation. Depending on the temperature variation in the area of application, it can protect distances of up to 75 m service-reduced.



Product Data

Classification	Pull Rope Emergency Stop Device with Manual Reset and Latching with integrated Slack-line and Wire-Break Detection, Emergency Stop Button; Safety Device
Safety Functions	Emergency Stop Slack-Line, Wire-Break-Detection
Safety Classification DIN EN ISO 13849-1 DIN EN IEC 62061	Depending on System Architecture* up to PLd up to SIL2
Standards	EN ISO 13850, EN ISO 13849-1, EN (IEC) 60947-5-5, EN IEC 63000, UL File E 312822
Certificates	CE, cULus, UKCA
Pull Rope Installation Length (with Spring XL Nr. 580.00.50.01.01)	Depending on Temperature Variation
Temperature Variation **40°C**	20 m
Temperature Variation **25°C**	30 m
Temperature Variation **17°C**	45 m
Enclosure Material	Aluminum, painted yellow
Enclosure Protection	IP 66
Ambient Temperature Range	-25° C ... +70° C
Enclosure Fixation	4 x M5
Cable Entries	3 x M20 x 1.5 mm
Weight	0.6 kg

Contact System	Cam Switch
Contact Principle	Positive break EN 60947-5-1 K
Contact Material	Silver (Ag)
Contact Terminals	Screw
Connecting Capacity	max. 2.5 mm^2
Utilisation Category AC-15	AC 240 V / 3 A (A600) AC 120 V / 6 A (A600)
Utilisation Category DC-13	DC 24 V / 2 A
Conventional Thermal Current I_{th}	10 A
Rated Insulation Voltage U_i	600 V
Rated Impulse Withstand Voltage U_{imp}	6 kV
Overvoltage Category / Altitude	II / 2000m
Pollution Degree	3
Conditional Short-Circuit Current I_q	1000 A
Short Circuit Protection Device	6 A gG
B10d service life value DC-13: 24 V / 1 A	> 100.000 Operations*

* As per DIN EN ISO 13849-1, the likelihood of faults increases if pull-rope emergency stop switches are connected in series. This could reduce the area of Performance Level (PL) application.

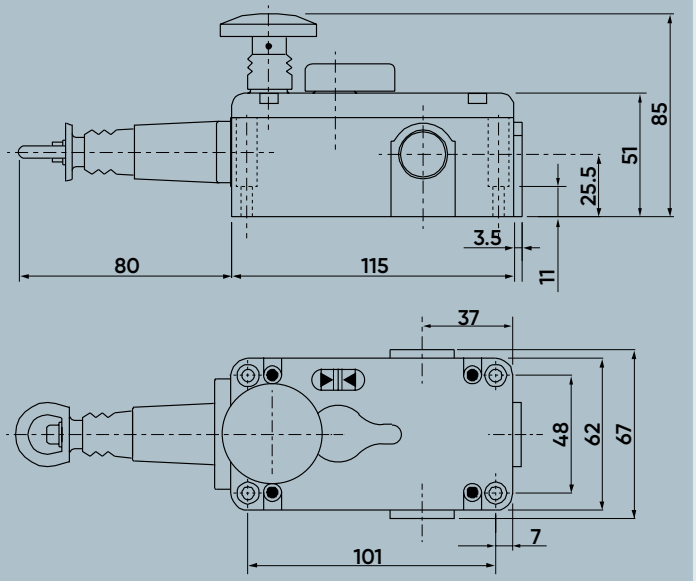
Scope of Delivery

1x Dummy Plug, 2x Screw Plugs

Variants

Type	Order-No	Contacts NC	NO	E-Stop Button
LRS 004	93.046 690.004	2	1	x
LRS 022	93.046 690.022	2	2	x
LRS 031	93.046 690.031	3	1	x

Dimensions



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Adjustment Display



The setting display is located inside the LRS 0xx and is protected by the cover. It is visible through a small viewing window on the outside of the housing and is used for trouble-free installation and checking of the correct ripcord pretension and operating position.

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Technical changes and errors reserved. Figures similar.