



INDUSTRIKOMPONENTER A/S
En anerkendt partner i Mobil Energi

WIRENØDSTOPSSYSTEMER LRS



For mere specifikke oplysninger om disse produkter, og
hvordan de kan dække dine behov, ring venligst

INDUSTRIKOMPONENTER A/S

Energivej 33 DK-2750 Ballerup

Tlf: +45 5672 0000 Fax: +45 5672 0005

www.industrikomponenter.dk



INDUSTRIKOMPONENTER A/S
En anerkendt partner i Mobil Energi

WIRENØDSTOPSSYSTEMER LRS

ANVENDELSE

Pull-rope emergency stop switches type LRS are used in accordance with the requirements of EN 620 as well as BGI 710 and in conformity with DIN EN ISO 13850 as emergency stop devices as supplementary safety measures on conveyor belt systems. The pull rope is tensioned on one side of the actuating shaft.

The devices are suitable primarily for indoor use and applications where the ambient temperature varies only in a small range.

With the pull-rope-system functionally aligned, the emergency stop signal can be triggered over a distance of 20m.

Pull rope emergency stop switches type LRS comply with Machinery Directive 2006/42/EC. The device must only be used in electrical control circuits.

The LRS aluminum housing offers space for one (1) switching element with different contact configurations for each variant of LRS. Taking into consideration the safety data and maintenance recommendations, the pull-rope emergency stop switch type LRS can be used in safety circuits in accordance with DIN EN ISO 1384 up to Performance Level e (PLe)

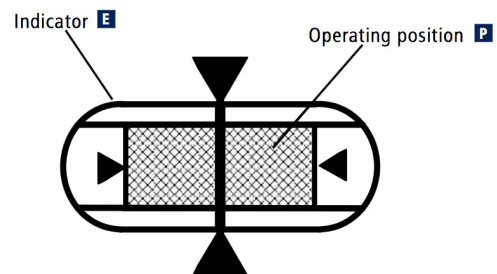
FUNKTION

The emergency stop signal can be activated by pulling or breaking of the pull wire or by pushing the red emergency stop button when the switch is correctly adjusted. An indicator (E) helps to find the correct operating position (P) for a proper work. The contacts are actuated by a spring supported cam disc (snap action function) at the same time.

The emergency stop signal is performed with positive-making normally closed (NC) contacts in accordance with the closed circuit principle.

After the emergency stop function is triggered, the switching mechanism is locked in the shut-off position "0". The blue reset knob can only be moved to switching position "1", when the actuating shaft is back in operating position.

In position "1", the switching contacts are reactivated and the conveyor belt is prepared for start up the belt conveyor but shall not cause the start up.



Note: Resetting the pull-rope emergency stop switch must not cause the conveyor system to start up.

TEKNISKE DATA

Betegnelse	Wirenødstopssystem type LRS Nødstop med låsestop
Aktivering	Bidirectional; spring-loaded ("snap action")
Enhed overholder	EN ISO 13850, EN/IEC 60947-5-5, EN/IEC 60947-5-1; UL 508
Egnet til	Kontroludstyr i overensstemmelse af EN/IEC 60204
FUNKTION	
Kabinet	Aluminium gul; RAL 1004
Installation position	Any
Montering	4 hjuler til M5 skruer
Wire længde	Up til 20 m
Vægt	0,7 kg
Actuation force	< 125 N

INDUSTRIKOMPONENTER A/S

Energivej 33 DK-2750 Ballerup

Tlf: +45 5672 0000 Fax: +45 5672 0005

www.industrikomponenter.dk



INDUSTRIKOMPONENTER A/S
En anerkendt partner i Mobil Energi

WIRENØDSTOPSSYSTEMER LRS

TEKNISKE DATA (Cont'd)

Elektrisk system	
Omstillingsanlæg	Up to 4 contacts; cam operated positive-opening switches
Kabelindføring	Threaded holes 3 x M20 x 1,5 mm with 2x dummy screws, 1 x dummy plug
Brydeevne	AC-15: 240 V / 3 A; DC-13: 24 V / 2 A
Connection cross section	1 mm ² til 2,5 mm ²
Protective conductor connection	In the casing; M4
Nominal isolering spænding U_i	AC 500 V
Rated impulse withstand voltage U_{imp}	2,5 kV, degree of pollution III
Konventionel termisk strøm I_{th}	10 A
Contact reliability	10 millioner switching operations
Omgivelsestemperatur i overensstemmelse med DIN EN 60947-5-5	
Tilladt omgivelsestemperatur	-25 °C til +70 °C
Tætningsgrad	IP 66 (EN 60529)
Sikkerhedsdata i overensstemmelse med DIN EN ISO 13849 og EN 61062:	
Safety functions	Nødstop inkl. låsestop, Manual reset
Usable in risk zones	Op til PLe (depending on customer application (DIN EN ISO 13849))
B10d-value	10.000 aktiveringer

SELECTION TABLE

Switch Type	NO	NC
LRS004	2	1
LRS022	2	2
LRS031	3	1

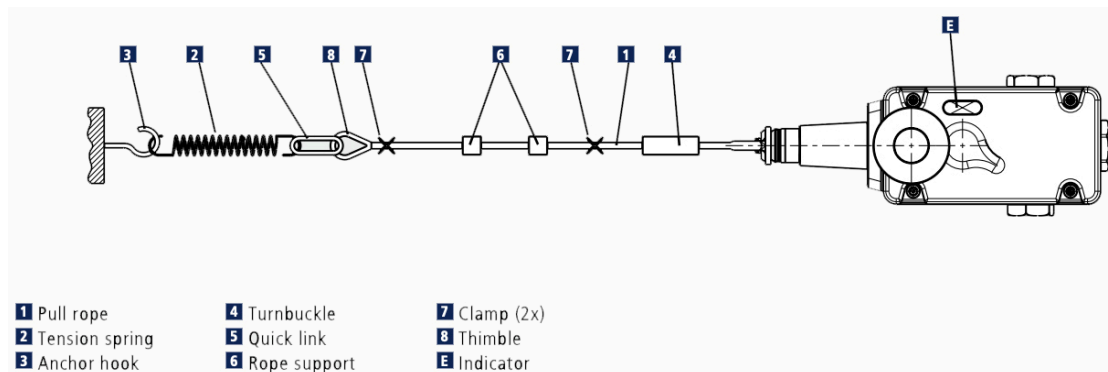
MONTERING

Pull-rope emergency stop switches of types LRS are each fastened to the substructure in installation position with 4 M5 screws.

Electrical connection is performed with the device open directly on the screw joints of the microswitch contact block, using a cable gland M20 x 1,5 with minimum IP66 protection class, which is not included in the delivery.

The pull rope is connected to the actuating shaft and the external spring (2) and has to be tensioned with spring (2) and turnbuckle (4) till the operating position is reached.

MONTERINGSDIAGRAM



INDUSTRIKOMPONENTER A/S

Energivej 33 DK-2750 Ballerup

Tlf: +45 5672 0000 Fax: +45 5672 0005

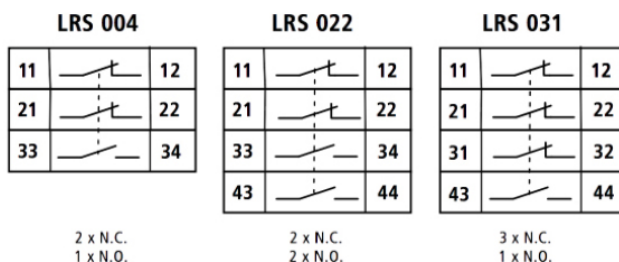
www.industrikomponenter.dk



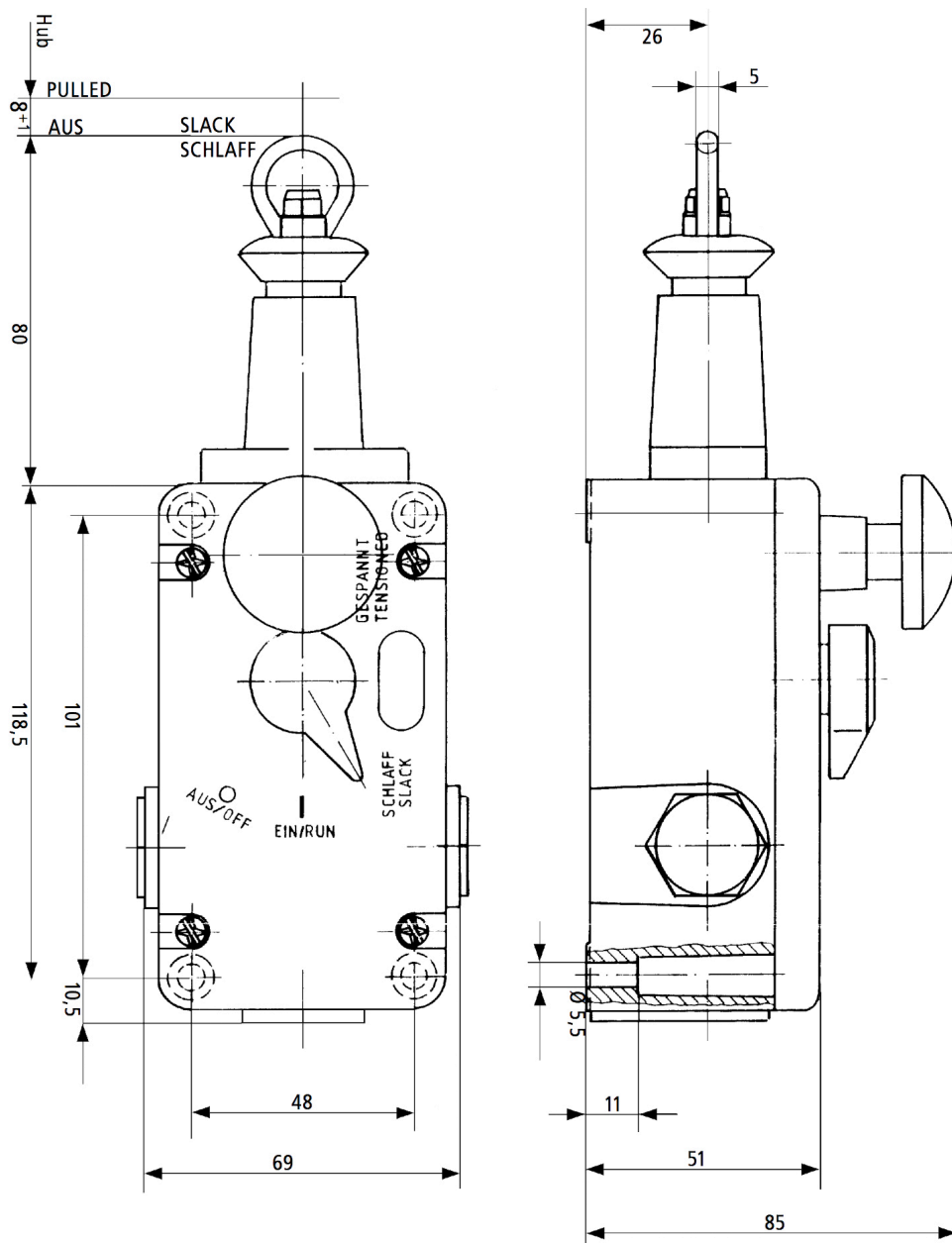
INDUSTRIKOMPONENTER A/S
En anerkendt partner i Mobil Energi

WIRENØDSTOPSSYSTEMER LRS

CONNECTION DIAGRAM



DIMENSIONER



INDUSTRIKOMPONENTER A/S

Energivej 33 DK-2750 Ballerup

Tlf: +45 5672 0000 Fax: +45 5672 0005

www.industrikomponenter.dk