

# single side actuation **Pullcord Switch** LHPEw-10/x-BS



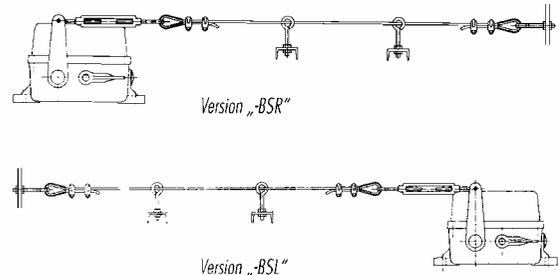
## Installation and operating instructions

**Principle:** Before any work shall be carried out it has to be checked that the circuits are isolated and any specific and general security instruction has been fulfilled.

Rope operated emergency stop switches of this type are provided to be installed at the end of 1 rope end. Length of the rope should not extend 40 m. To install a pullcord switch between 2 ropes our switch LHPEw-10/x-B is suitable.

The switch is being manually actuated by pulling the rope. In the case that the pullcord should be broken the switch actuates automatically. There is no need of separate pretensioning springs installed within the rope. The switch latches itself if actuated and can be released manually by lifting the blue lever.

**Mounting:** The mounting position is free. Fix the switch on a plane, stable console by 2 suitable screws M10 within the 2 forked feet. The pullcord should be guided and suspended in one line without any deviation at least any 5m or shorter by e.g. eyelets (e.g. SH... out of our accessories e.g. to be fixed at the structure of the conveyor). Fix one end of the rope to a fix end point (e.g. structure of the conveyor), the other end to the switch lever's bolt via suitable accessories (such as rope clips SKL and turnbuckle SPS out of our accessory programme). Switches with suffix .....BSL are for rope mounting to the left, .....BSR for rope mounting to the right (compare to the sketch). Release the



switch by lifting the blue lever. Upon releasing the pullcord must be shortened in that way, that the actuation lever stands upright (like in the sketch right beside). This is the neutral position of the switch. Check: Pulling on the rope should effect actuation and latching of the switch. Release by the blue lever.

**Electrical installation:** Open lid by loosening the four screws. Inside are 1 or 2 micro switches. Each contact is marked with its function. Two M25 threaded wholes are for cable inlet (for sealing use cable glands like our type KV-M25K). Wire the contacts and earthing according to your requirements. Class II completely isolated switches need no earthing (can be identified by 2 concentric squares on the type plate). Afterwards put on the cover again and tighten screws with a torque of 3 Nm. Tighten the cable glands according to the instructions of the manufacturer, however, at a maximum torque of 6 Nm.

**Check:** Before putting into service and thereafter in regular intervals check any electrical and mechanical function.

**Maintenance:** There is no need for any maintenance works for DUK pullcord switches due to proven construction and high material quality.

### Technical Data

Conforms to standards	EN 60947 / EN 60204 / EN60529
Max. length of pullcord	40 meter
Rope travel	34 mm
Rope tension for actuation	> 40 N
Cable inlet	2x M25 threaded hole
Protection	IP 67
Contacts	All simultaneously actuating, self-cleaning, also adapted for low currents
Rating	400 VAC 6A / 230 VAC 8A / 24 VDC 10A / 80 VDC 3A
Housing material	coloured glass fibre reinforced polyester (LHPEw-10/x-BSx) or cast iron (LHMEw-10/x-BSx)
Housing colour	Yellow RAL 1003 or red RAL 3000
Weight	LHPEw-10/x-BS 2.0 kg LHMEw-10/x-BS 5.6 kg
Fixing	2 forked feet 11mm for M10-screws
Operating temperature	- 40°C up to + 85°C

