

Pullcord switch

LHP_{xW-xx/x-B}

LHM_{xW-xx/x-B}



DITTELBACH UND KERZLER

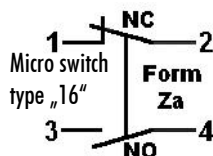
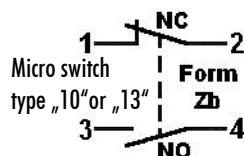
Installation and operating instructions

Principle: Before any work shall be shure that the circuits are isolated from the mains and check that any security instruction has been fulfilled.

Rope operated emergency stop switches of this type are provided to be installed between two rope ends. Length of the ropes should not extend on none of both sides 50 m. The switch is being actuated by pulling the rope out of one possible direction. For fulfillment of the demands of European standard EN 60947 (automatic emergency stop in the case of a rope rupture) the switch should be actuated also by the force of one of two externally mounted and pre-tensioned springs (not part of this switch). The switch latches itself and can be released manually by lifting the blue lever.

Mounting: The mounitng position is free. Fix the switch on a plane, stable console with two suitable screws M10 (max. 11mm diameter) at the 2 slotted feet. Fix end of ropes to the switch at the fork bolt via suitable accessories (such as eyelets SKA and rope clips SKL out of our accessory programme), whereby the other ends of the ropes are to be mounted at the preload springs (for fulfillment of EN 60947 and DIN EN 418) (e.g. type SPF out of our accessories) or direct at fixed points. The rope should be guided and suspensioned by aid of suitable accessories (such as rope loops SH out of our accessory programme) at least any 4,5 meters. There should be no deviation within the line of the rope.

Electrical installation: Open lid by loosening the 4 slotted screws. Inside are up to 4 micro switches. Each is equipped with 4 terminals. Each terminal is marked with a number. Terminals suffixed 1 and 2 indicate a NC-contact, terminals 3 and 4 indicate a NO-contact.



Two M25-threaded holes are for cable inlet. For adapting to the NPTF system adaptors can be used. Wire the contacts according to your requirements. The switch must be earthed (grounded). LHP is equipped with an earthing screw inside the housing, LHM inside as well as outside. Afterwards put on the cover again and tighten screws with a torque of 3 Nm. Tight the cable glands according to the instructions of the manufacturer, maximum torque of 6 Nm.

Check: Please check any electrical and mechanical function after completion of installation. Exchange every damaged or malfunctioning switch

Maintenance: DUK-pullcord switches are maintenance-free

Technical Data

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|----------------------------------|--|
| Conformity to standards | EN 60 947 / EN 60954 / EN 60204 DIN EN 292 / UVV-VBG10 / EN60529 DIN EN 418 if equipped with 2 springs |
| Rope travel for actuation | approx. 35 mm |
| Rope force for actuation | approx. 40 N |
| Cable entry | 2 x M25 |
| Protection | IP 67 / acc at least COF-CSA-ENC 3 |
| Housing | FRP (type LHP ...), Cast iron (type LHM.....) |
| Colours | yellow RAL 1003 or red RAL 3000 |
| Weight | 2,3 kg (LHP.....) 5,9 kg (LHM.....) |
| Mounting | position free at 2 slotted holes for screws M10 (max. 11mm diameter) |
| Ambient temperature | -40°C up to +85°C |

