

Rope-operated emergency stop switch

LHwa-25/4

Installation, Operation and Maintenance Instructions



Principle: Before any work shall be carried out it has to be checked that the whole line is circuit-free, isolated and any specific and general security instruction has been fulfilled.

Rope-operated emergency stop switches of this type are provided to be installed between two rope ends.

The switch is being actuated by pulling manually at the pull rope. To fulfill the standard EN 60947 (automatic emergency stop at rope rupture) the switch is being actuated by the force of one of two externally mounted and pre-tensioned springs (not part of this switch). The switch latches itself when actuated and may be released manually, only, at the blue reset lever.

Mounting: Fix on a plane, stable console with two suitable screws at the wholes of the foot. The lever of the switch should be in neutral, released position in right angle to the pull rope, therefore the lever is 4 x 90° replaceable. Fix both pull ropes, left and right, at their one end by suitable rope clips to the bolt of the switch lever, their second, external, end to fulfill standard EN 60947 to the end of a suitable spring (e.g. our preloading spring SPF). The other side of this spring should be fixed to a fix point, e.g. the frame of the conveyor. Thereafter you have to pre-tension these springs, strong enough that one of both ropes actuates the switch when the other rope is completely relaxed. The rope should be guided by aid of suitable accessories (such as rope loops SH out of our accessory programme) at least any 5 meters.

Technical Data

meet standards	DIN EN 60947 / EN 0418 / UVV-VBG10
rope travel for actuation	35 mm
rope force for actuation	75 N
thread of cable gland	1 x M 25x1,5
contacts	2 NO contacts and 2 NC contacts
current rates	230VAC 5,5kW / 380VAC 9,5kW / 500V 12,5kW
type of protection	IP 65
housing material	cast-iron
housing colours	yellow RAL 1003 or red RAL 3000
weight	15 kg
fixing	2 long holes for M10-screws
installation position	any
operating temperature	-40°C up to +85°C
storing temperatur	-50°C up to +85°C

Electrical installation: Open the little quadratic lid by loosening the four lid screws. Behind this lid are the terminal strips, a wiring scheme is printed on. The cable duct is M 25x1,5 threaded. If attached, we can not guarantee for the 100% tightening of the cable gland in connection with your plants cable. After connection to your demands put on the lid again and tighten screws.

Check: Please check any electrical and mechanical function after completion of installation.

Maintenance: There is no need of any maintenance works for Dittelbach & Kerzler rope-operated emergency switches due to proven construction and high material quality.

