

RedSwitch-P Auxilliary switch, retrofit

2 potential free contacts, adjustable on site, adaptable to **RedPlus** linear actuators

Type	Technical data	Installation area
RedSwitch-P	Auxilliary switch with 2 adjustable contacts, potential free	Zone 2, 22
... - CT	Housing in „Amercoat“ marine painting	

Product views

RedSwitch-P	Dimensions in mm	Inside view	Wiring diagram	Adaption to actuator

Description

RedSwitch-P are adaptable auxilliary switches for use in hazardous areas for end and interim position indication.

RedSwitch-P have 2 potential free contacts installed in a housing which can be fitted directly to RedPlus linear actuators. Both contacts are adjustable. Adjustment during operation is possible.

RedSwitch-P are delivered with a cable of approx. 1 m. For electrical connection inside hazardous areas, a special terminal box is required (see accessories RedBox).

Approval

ATEX manufacturer's declaration	I13G EEx nC IIT6
Use in zone 2 and 22	I13D IP 67 T80°C
IP protection switch	IP67 in acc. with EN 60529
IP protection housing	IP43 in acc. with EN 60529

Mounting and adjustment

- Put the mechanical linkage into the squared connection of the actuator.
- Mount the RedSwitch to the actuator and fix it with the 4 screws.
- Wire the actuator (terminal box required!).
- Drive actuator to lower end position.
- Open the RedSwitch-P and adjust each switch with the adjustment bow. You have to open the screw to turn the cam switch, afterwards tighten the screw.
- Make a mechanical check that the switches are working in the required position.
- Lock the enclosure.

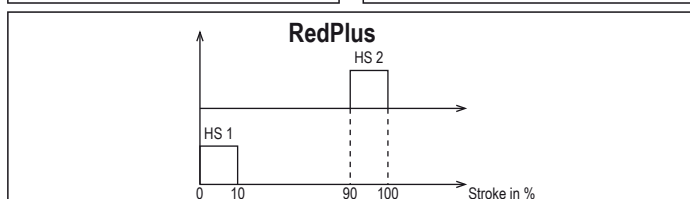
Technical data

Adaption to actuator	direct mounting to the actuator
Function	2 auxilliary switches with potential free contacts
Max. current AC/DC	24 VAC/DC, 3 A – 240 VAC, 0,5 A min. 4 V, 1 mA
Mechanical life	2 × 10 ⁶ switch cycles
Cable connection	1 cable for each switch, approx. 1 m cable length, 3 × 0,5 mm ² , cable diameter ~ Ø 4,5 mm
Ambient temperature	-40...+40 °C
Accuracy	< 5°
Switch hysteresis	approx. 5 %
Housing material	Steel, painted
Housing material Switch	Plastic, Thermoplast
Material Switch	Changeover contacts silver, gold-plated
Delivery	1 housing with 2 integral switches inclusive squared connection (mechanical linkage to RedPlus linear actuators), 4 screws, 1 adjustment bow for adjustment of switching position, position indicator

Settings depending on position of lifting rod

Lifting rod out –	Drive shaft rotates clockwise (switch area L):
HS 1 (top)	– switches from 1–2 to 1–3
HS 2 (bottom)	– switches from 1–3 to 1–2
Lifting rod in –	Drive shaft rotates counterclockwise (switch area R):
HS 1 (top)	– switches from 1–3 to 1–2
HS 2 (bottom)	– switches from 1–2 to 1–3

RedPlus 0...10 % HS 1 on	RedPlus 90...100 % HS 2 on



Accessories

RedBox-SW	Terminal box
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