

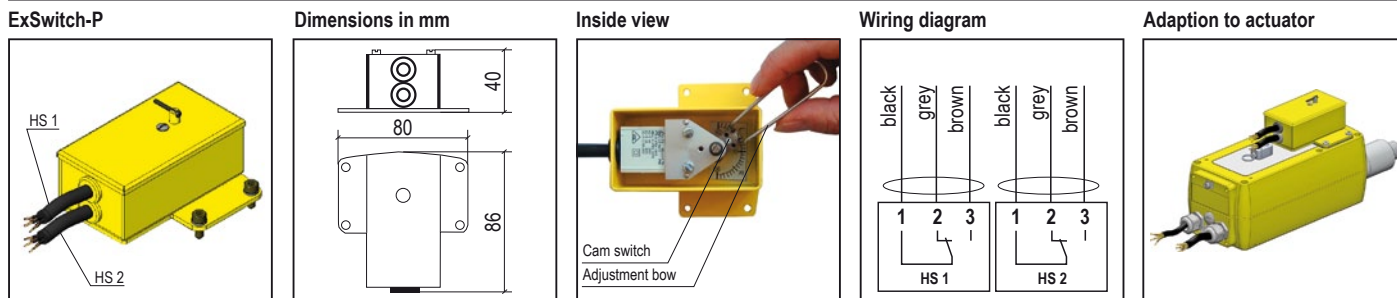


ExSwitch-P Ex-d auxilliary switch, retrofit

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

Type	Technical data	Installation area
ExSwitch-P	Explosion proof, auxilliary switch with 2 adjustable contacts, potential free	Zone 1, 2, 21, 22
... - CT	Housing in „Amercoat“ marine painting	

Product views



Description

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

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

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

Explosion proof

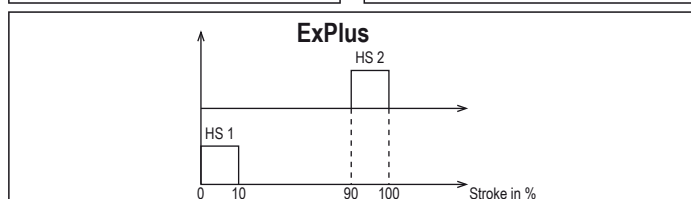
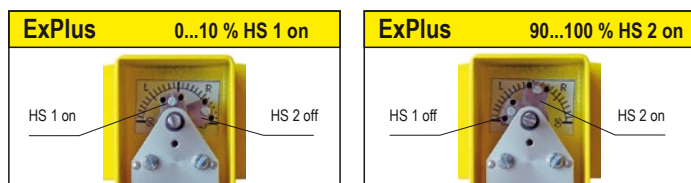
ATEX	PTB 00 ATEX 1093 X
	IBExU 01 ATEX 1007 X
Use in zone 1 and 2	II2G Ex d IIC T6 for gas, mists and vapours
Use in zone 21 and 22	II2D IP66 T80°C for dust
IP protection switch	IP66 in acc. with EN 60529
IP protection housing	IP43 in acc. with EN 60529

Mounting and adjustment

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

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



Technical data

Adaption to actuator	direct mounting to the actuator
Function	2 explosion proof auxilliary switches with potential free contacts
Max. current AC/DC	24 VAC/DC, 3 A – 240 VAC, 0,5 A
	min. 5 V, 4 mA
Mechanical life	2 × 10 ⁶ switch cycles
Cable connection	1 cable for each switch, approx. 1 m cable length, 3 × 0,75 mm ² , cable diameter ~ Ø 7,2 mm
Ambient temperature	-50...+60 °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 Ex-d switches inclusive squared connection (mechanical linkage to ExPlus linear actuators), 4 screws, 1 adjustment bow for adjustment of switching position, position indicator

Accessories

ExBox-SW	Terminal box Ex-e
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Subject to change!

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