



EEx-d auxilliary switches, adaptable to ExMax actuators size S and M
2 potential free contacts, adjustable on site.

Type	Technical data	Insatllation area
ExSwitch	Explosion proof, auxilliary switches with 2 adjustable contacts, potential free, adaptable to all ExMax-actuators size S and M	Zone 1, 2, 21, 22

Views

ExSwitch

Dimension in mm

View inside

Wiring diagram

Adaptation to actuator

Description

ExSwitch are adaptable auxilliary switches for use in hazardous areas for end and interim position indication.
 ExSwitch have 2 potential free contacts installed in an housing which can be fitted direct to ExMax actuators size S and M. Both contacts are adjustable. Adjustment during operation is possible.
 ExSwitch are delivered with cable of approx. 1 m. For electrical connection inside hazardous areas a special EEx-e terminal box is required (see accessories type ExBox).

Explosion proof

Approval in acc. to ATEX	PTB 00 ATEX 1093 X, RL 94/9/EG (ATEX) IBExU 01 ATEX 1007 X
Use in zone 1 and 2	IIG EEx d II T6 for gas, mists and vapours
Use in zone 21 and 22	IIG T80°C IP66 for dust
IP-protection	IP 66 in acc. with EN 60529

Electrical data

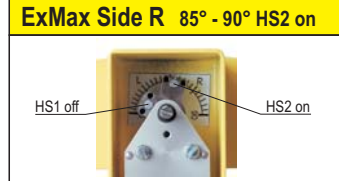
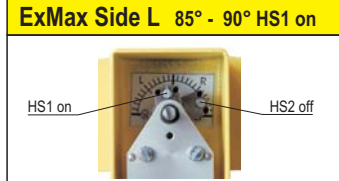
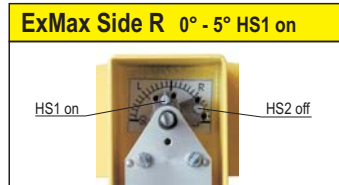
Voltage	30 V	250V	400 V
Ohmic at AC	7 A	5 A	3 A
Inductive at AC $\cos \varphi = 0,6$	5 A	3 A	2 A
Ohmic at DC	7 A	0,4 A	
Inductive at DC $L/R = 3\mu s$	5 A	0,03 A	

Technische Daten

Type	ExSwitch
Adaptable to actuator	type ExMax -.. size S and M
Function	2 explosion proof auxilliary switches,potential free contact
Max. current AC/DC	see electrical data
Mechanical life	2 x10 ⁶ switch cycles
Cable connection	1 cable for each switch, approx. 1 m cable length, 3 x 0,75 mm ² , cable diameter ~ Ø 7,2 mm
Ambient temperature	-40...+40°C
Housing material	Steel, painted for housing, thermoplast for switches
Delivery	1 housing with 2 integral EEx-d switches, incl. mechanical linkage to ExMax actuators size S, 4 screws, 1 adjustment bow, position indicator

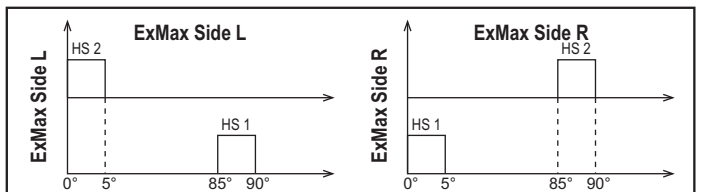
Mounting and adjsutment

- Mounting and adjustment**
- Put the mechanical linkage into the squared connection of the actuator
 - Mount the ExSwitch to the actuator and fix it with the screws
 - Wire the actuator (EEx-e terminal box requested!)
 - Open the ExSwitch 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.



Accessories (optional)

ExBox-...	Terminal box EEx-e
Aux-Kit 1	6 EEx-e terminals for DIN rail mounting inside ExBox 1 EEx-e duplex-cable gland M20 for ExBox 1 EEx-e cable gland M20 (Ø 6 to 12mm) for ExBox



D.ZEM-01.03-SM-en-ExSwitch