

Explosionproof auxiliary switches, potential free, adjustable connectable to EX-VENT actuators. - tested acc. to ATEX

EXC-HSV

**List 6.5
EX-COMP**

APPLICATION

EXC-HSV External, explosionproof auxiliary switches for endposition-indication in the control system. The auxiliary switches are to be mounted and adjusted according to the adjustment guide. The switches are explosionproof in accordance with "flameproof enclosure" and dust ignition proof. Installation in hazardous areas zone 1, 2, 21, 22. The electrical connection must be made with an II2G/D EEx-e terminal box.

TECHNICAL DATA

Type	EXC-HSV			
Voltage	250 VAC	30 VAC	250 VDC	30 VDC
Current (resistive)	5 A	7 A	0,4 A	7 A
Current (inductive)	3 A	5 A	0,03 A	5 A
Operation	open/close, potential free			
Mechanical life-span	> 2 x 10 ⁶			
Electrical life-span	in dependence on current			
Ambient temperature	-20... 40 °C			
Housing material	steel, zinc-plated			
Switch material	thermoplast			
Indication	CE Nr. 0032			
Permission	tested acc. to directive 94/9/EC (ATEX)			
Certificate	PTB 00 ATEX 1093 X / IBEXU 01 ATEX 1007 X			
Explosionproof	Ⓜ II2G EEx d IIC T6 bzw. T5, CENELEC EN 50014/ EN 50018 Ⓜ II2D IP66 T80°C, CENELEC EN 50281-1-1			
Prot. in acc. with EN60529	IP66			
Electrical connection	1 m cable, for connection an II2G/D EEx e terminal box is required			

Included aux. switches, (2 pieces)
Installation area hazardous areas zone 1, 2, 21, 22

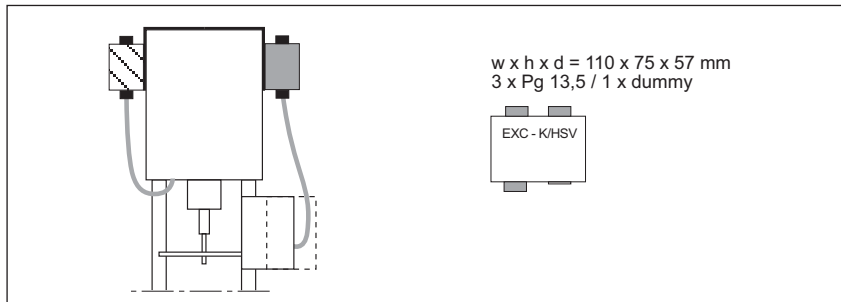
Ⓜ II2G EEx d IIC T6
 Zone 1, 2
 Ⓜ II2D IP66 T80°C
 Zone 21, 22



ACCESSORIES

EXC-K/HSV EEx e terminal box

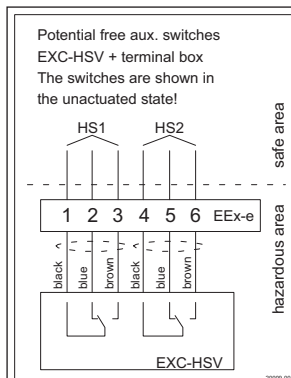
DIMENSIONS



ATTENTION

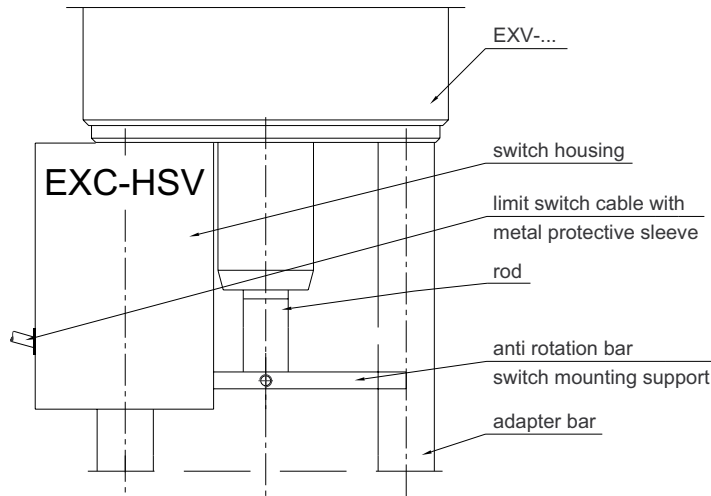
- The cable of the switch must be installed in a fixed position and protected against mechanical damage.
- For installation, use and maintenance the official standards and rules must be applied.
- The mounting of the auxiliary switches at the Ex-valve actuator can only take place in the factory!**
- After installation all components must fulfil the protection class IP65 acc. EN60529.

ELECTRICAL CONNECTION

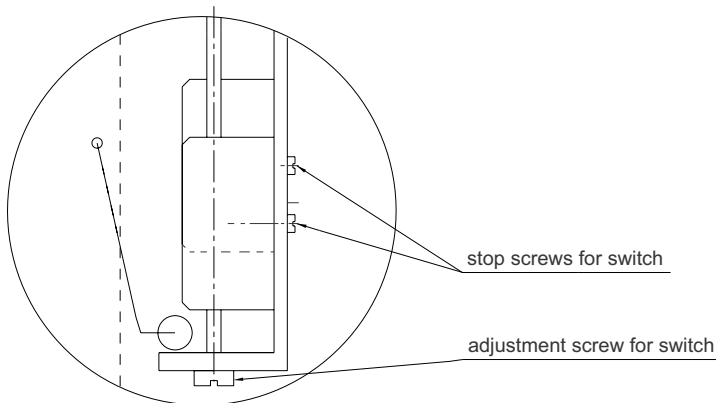
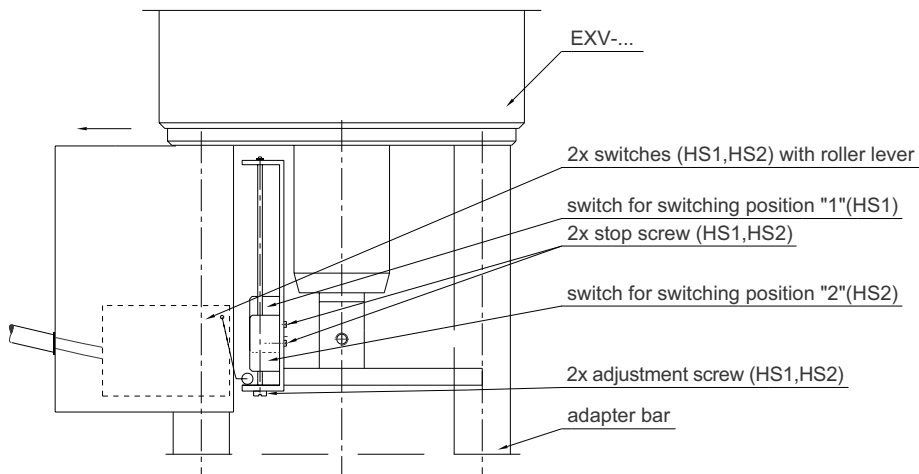


subject to change

1



2



A) Adjust the auxiliary switches only with the actuator mounted on the valve.

B)

1. Remove the switch housing locking screw M3x8 and pull out each switch approx. 15 - 20 mm, until the switches are accessible.

2. Drive the actuator rod into switching position "1".

3. Remove the stop screw M3 on the switch for switching position "1" (switch HS1) and turn the adjustment screw until the switch HS1 is switching (the lever has to be pushed).

4. Secure the switch with the M3 stop screw.

5. To check the correct switching point, drive the actuator rod out of switching position "1". Then drive the actuator back, to control the correct switching point (if necessary you have to re-adjust).

6. Drive the actuator rod into switching position "2"

7. Remove the stop screw M3 on the switch for switching position "2" (switch HS2) and turn the adjustment screw until the switch HS2 is switching (the lever has to be pushed).

8. Secure the switch with the M3 stop screw.

9. To check the correct switching point, drive the actuator rod out of switching position "2". Then drive the actuator back, to control the correct switching point (if necessary you have to re-adjust).

10. Fix the switch housing with the screw M3x8.

Info: The switch positions "1" and "2" are the positions, in which the respective switch actuates in accordance with your desire.