



## Ex position switch Ex ES 97 DS-11 -60°C Material number: 1336789

### Features/Options:

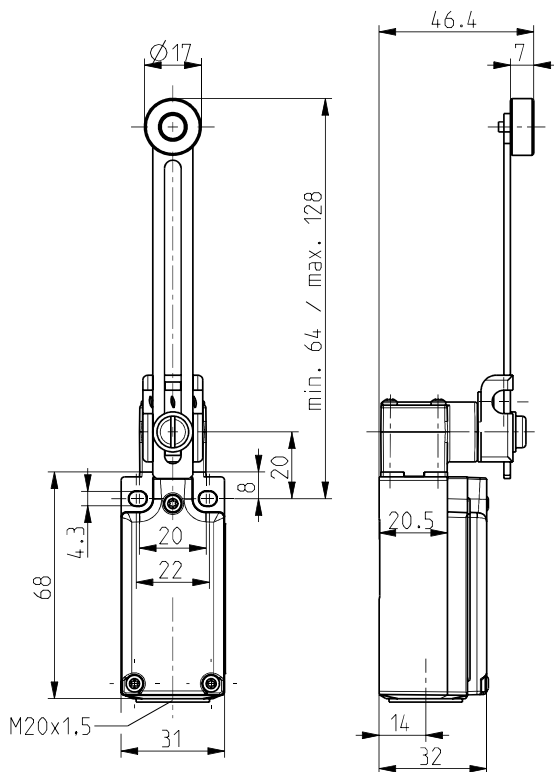
- Ex zone 1 and 21
- Thermoplastic enclosure
- Cold-resistant down to -60 °C
- High degree of protection IP 66 / IP 67 / IP 69
- Design to EN 50047

### Notes

- 1 Ex"e" cable gland M20x1.5 included in delivery

- Wiring compartment
- Double insulated
- Actuator: Adjustable rocking lever DS
- N.B.: Please state required approvals for Russia, Brazil and North America with your order!

### Dimensions



### Technical data

Standards	EN 60947-5-1; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
Enclosure	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Cover	glass-fibre reinforced, shock-proof thermoset material, self-extinguishing UL 94-V0
Switch insert	Type 8080/1-1
Degree of protection	IP 66 to EN 60079-0 + IEC/EN 60529 (... -60 °C) IP 67 to EN 60079-0 + IEC/EN 60529 (... -20 °C) IP 67 / IP 69 to IEC/EN 60529 IP 69K to ISO 20653
Contact material	Silver, nickel-plated
Switching system	slow action
Switching elements	1 NC/1 NO contact, type Zb
Connection	screw connection terminals, min. 0,75 mm <sup>2</sup> AWG 18, max. 1,5 mm <sup>2</sup> AWG 16, incl. conductor ferrules
Cable entry	M20 x 1,5; screwing depth max. 9 mm; use only Ex approved and certified cable glands with min. degree of protection IP 66 and suitable for the specified ambient temperature range
Utilisation category	AC-15
I <sub>e</sub>	max. 2 A or 4 A <input type="checkbox"/>
U <sub>e</sub>	max. 500 VAC, max. 250 VAC for unequal potential
Mechanical life	> 1 million operations
Impact energy	max. 7 J



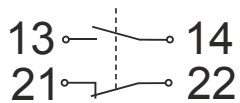
Ex position switch  
Ex ES 97 DS-11 -60°C  
Material number: 1336789

## Technical data

Temperature class	T6
Ambient temperature	-60 °C ... +55 °C max. 4 A, +60 °C max. 2 A
Max. fuse rating	6 A gG/gN fuse
Ex marking	⊕ II 2G Ex db eb IIC T6 Gb, ⊕ II 2D Ex tb IIIC T80 °C Db IECEX Ex db eb IIC T6 Gb, Ex tb IIIC T80 °C Db
Approvals	BVS 16 ATEX E 052 IECEX BVS 16.0052



## Contact diagram



## Switching diagram

