



Ex position switch with safety function

Ex 355 4VH 1Ö/1S

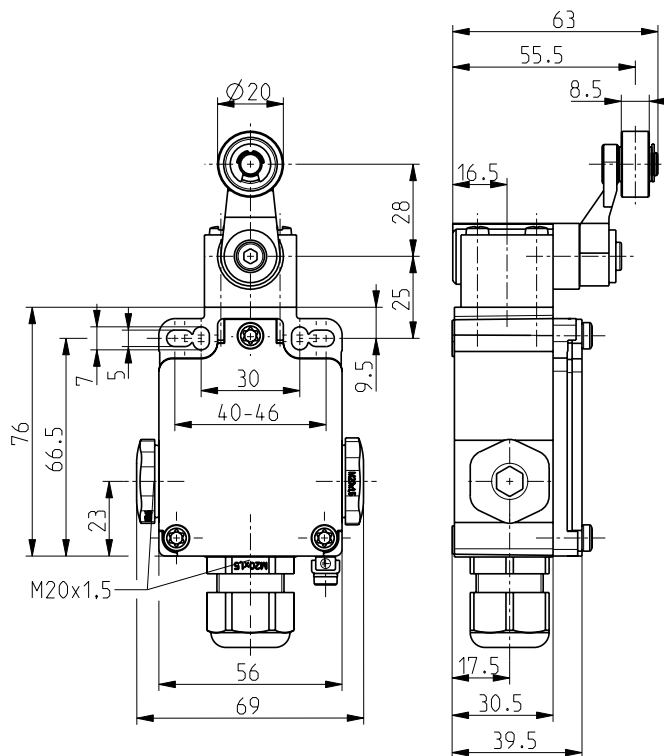
Article no.: 1179156 (old article no.: 92021301)

Product features



- Ex zone 1 and 21
- Metal enclosure
- Mounting and switching details to EN 50041
- Wiring compartment
- 3 cable entries
- Actuator: Rocking lever 4VH
- Actuator type A to EN 50041
- Actuating speed max. 2.5 m/s with a vertical actuating angle of 30°
- Wear-resistant plastic roller
- Lever angle adjustable in 10° steps
- Actuator can be repositioned by 4 x 90°
- Attention: Please state required international approvals with your order!

Dimensions



Technical data

Applied standards

EN 60947-5-1, EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN 60079-31, EN ISO 13849-1, EN ISO 14119

Enclosure

zinc die-cast, enamel finish

Switch type

type 1

Coding level

no coding

Degree of protection

IP67 (IEC/EN 60529)

B_{10d} (10 % load)

2 million

T_M

max. 20 years

Contact material

silver

Switching system

slow action, positive break NC contacts ⊖

Switching elements

1 NC/1 NO contact, type Zb

Connection

screw connection terminals

Cable cross-section

max. 1.5 mm² (incl. conductor ferrules)

Cable entry

3 x M20 x 1.5 (incl. 1 cable gland)

Clamping range

7 ... 12 mm

Rated impulse withstand voltage U_{imp}

4 kV

Rated insulation voltage U_i

250 V

Conventional thermal current I_{the}

6 A

Rated operating current/voltage I_e/U_e

6 A/250 VAC; 0.25 A/230 VDC

Errors and omissions excepted.



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Technical data (contd.)

Utilisation category

AC-15; DC-13

Short-circuit protection

6 A gG/gN fuse

Ambient temperature

T6: -20 °C ... +40 °C;

T5: -20 °C ... +60 °C

Mechanical life

> 1 million operations

Operation cycles

max. 1800/h

Repeat accuracy of switching points

± 0.1 mm

Contact opening

max. 2 x 3.5 mm

Impact energy

max. 7 J

Ex marking

Ⓔ II 2G Ex db e IIC T6/T5 Gb,

Ⓔ II 2D Ex tb IIIC T80 °C/T95 °C Db

IECEX Ex db e IIC T6/T5 Gb,

Ex tb IIIC T80 °C/T95 °C Db

Approvals

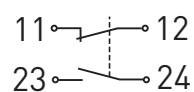
BVS 04 ATEX E 126

IECEX BVS 07.0013

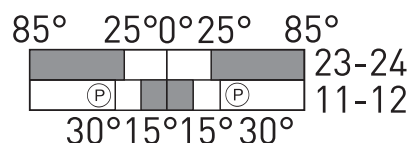
Weight

536 g

Contact diagram



Switching diagram



Ⓟ Positive break travel/angle