DATASHEET



EX-Z4VH 355-02Z-3G/D

Data

Ordering data

Product type description	EX-Z4VH 355-02Z-3G/D
Article number (order number)	101208072
EAN (European Article Number)	4030661373331
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN IEC 60079-15 EN 60079-31
Explosion protection zones	2 22
Explosion protection category	3G 3D

Explosion protection designation	II 3G Ex nC IIC T5 Gc X II 3D Ex tc IIIC T90°C Dc X
Manufacturer declaration	ATEX Zone 2 and 22

General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to EN 50041	A
Housing material	Light alloy die-casting
Housing coating material	painted
Lever material	Metal film
Gross weight	345 g

General data - Features

Safety functions	Yes
Number of safety contacts	2

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B_{10D} Normally-closed contact (NC)	20,000,000 Operations

Mechanical data

Actuating element	Roller lever
Roller material	Plastic

Mechanical life, minimum	30,000,000 Operations
Impact energy, maximum	1 J
Actuating speed, maximum	2.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed
Actuating torque, minimum	0.3 Nm

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	0.75 mm²
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Length of sensor	60.6 mm
Width of sensor	40.5 mm
Height of sensor	134 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature	-20 ... +60 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	1 A
Switching element	Opener (NC)
Switching principle	Snap action
Switching frequency	5,000 /h
Switchover time, maximum	2 ms
Material of the contacts, electrical	Silver

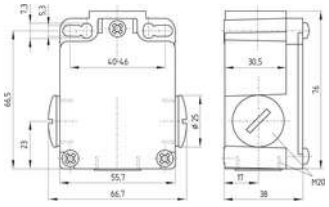
Pictures

Product picture (catalogue individual photo)



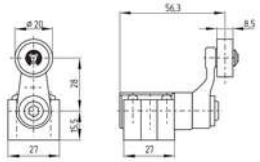
ID: k355hf01
| 469.8 kB | .jpg | 208.844 x 338.667 mm - 592 x 960 px - 72 dpi
| 80.7 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi
| 56.4 kB | .jpg | 76.2 x 123.472 mm - 216 x 350 px - 72 dpi

Dimensional drawing basic component



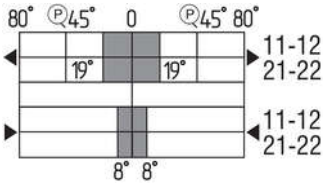
ID: k-355g01
| 30.4 kB | .cdr |
| 4.4 kB | .png | 74.083 x 45.156 mm - 210 x 128 px - 72 dpi
| 133.4 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612 px - 72 dpi

Dimensional drawing actuator



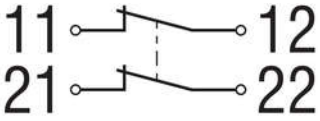
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| 65.6 kB | .cdr |
| 4.1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi
| 84.5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Switch travel diagram



ID: kh335s06
| 27.6 kB | .cdr |
| 2.7 kB | .png | 74.083 x 41.275 mm - 210 x 117 px - 72 dpi
| 95.0 kB | .jpg | 352.778 x 196.497 mm - 1000 x 557 px - 72 dpi

Diagram



ID: k2o--k01
| 48.8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355 px - 72 dpi
| 2.3 kB | .png | 74.083 x 26.458 mm - 210 x 75 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.
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