DATASHEET



EX-T4VH 355-11Z-3G/D

Data

Ordering data

Product type description	EX-T4VH 355-11Z-3G/D
Article number (order number)	101193946
EAN (European Article Number)	4030661357737
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

Approvals - Standards

Certificates	cULus

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	377 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1 2
Number of safety contacts	1

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
Note (Switchover time)	Switchover time in accordance with actuating speed
Actuating torque, minimum	0.3 Nm 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	NO contact, NC contact Normally open contact (NO)
Switching principle	Slow action
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h
Switchover time, maximum	2 ms
Material of the contacts, electrical	Silver

Note

Note (General)	Switch with 2 NO contacts are not for security tasks

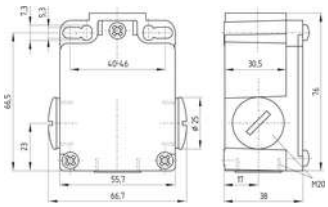
Pictures

Product picture (catalogue individual photo)



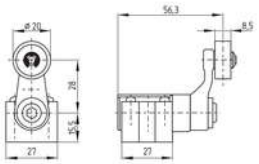
ID: k355hf01
| 469.8 kB | .jpg | 208.844 x 338.667 mm - 592 x 960 px - 72 dpi
| 80.7 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi
| 56.4 kB | .jpg | 76.2 x 123.472 mm - 216 x 350 px - 72 dpi

Dimensional drawing basic component



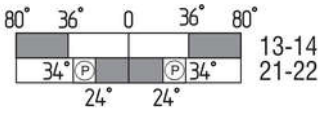
ID: k-355g01
| 30.4 kB | .cdr |
| 4.4 kB | .png | 74.083 x 45.156 mm - 210 x 128 px - 72 dpi
| 133.4 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612 px - 72 dpi

Dimensional drawing actuator



ID: 1h336g01
| 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: kh335s05
| 25.4 kB | .cdr |
| 2.4 kB | .png | 74.083 x 24.342 mm - 210 x 69 px - 72 dpi
| 66.9 kB | .jpg | 352.778 x 116.064 mm - 1000 x 329 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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