DATASHEET



T4VH 355-11Z-M20

- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 66,7 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Mounting details to EN 50041
- Switching points to EN 50041

Data

Ordering data

Product type description	T4VH 355-11Z-M20
Article number (order number)	151174059
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

General data

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	310 g

General data - Features

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

Safety classification

Standards	EN IEC 60947-5-1
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 lifetime, minimum	30,000,000 Operations
Actuating force, minimum	17 N
Actuating speed, maximum	2.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note (Switchover time)	Switchover time in accordance with actuating speed
Actuating torque, minimum	0.3 Nm

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.75 mm²
Cable section, maximum	2.5 mm²

Note	All indications including the conductor ferrules.

Mechanical data - connector side B

Connector typ	Female connector

Mechanical data - Dimensions

Length of sensor	60.6 mm
Width of sensor	66.7 mm
Height of sensor	129.5 mm

Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC 500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current	1,000 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	1 NO contact, 1 NC contacts
Switching principle	Slow action
Bounce duration, maximum	2 ms

Maximale Schalthäufigkeit	5,000 /h
Material of the contacts, electrical	Silver

Ordering code

Product type description:
(1)(2) 3(3)-(4)Z(5)-(6)-(7)-(8)-(9)

(1)

Z	Snap action
T	Slow action

(2)

S	Plunger S
R	Roller plunger R
H	Roller lever H
10H	Rod lever 10H
7H	Roller lever 7H
1K	Offset roller lever 1K
3K	Angle roller lever 3K
RMS	Brass roller
4V.	Basic device for roller lever (without actuator)

(3)

335	slim design
355	large design

(4)

11	1 NO contact/1 NC contact
02	2 NC contact
20	2 NO contacts (not suitable for safety applications)
01/01	1 NC contact left / 1 NC contact right
12	1 NO contact/2 NC contacts
03	3 NC contact

(5)

H	Slow action with staggered contacts
UE	Slow action with overlapping contacts
2272	2272 Special roller bolt with collar
1183	with aluminium rod
1699-1	Exterior stainless steel bolts and clamp

(6)

G24	with LED

(7)

1	Cable entry M20
M20	Cable entry M20
NPT	Cable entry NPT 1/2"
ST	M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)
ST-2310	M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

(8)

2138	Roller lever 7H for position switches with safety function

(9)

1637	Gold-plated contacts

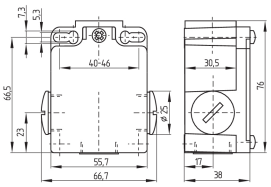
Pictures

Product picture (catalogue individual photo)



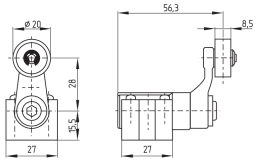
ID: k355hf01
| 834,6 kB | .jpg | 352.778 x 571.853 mm - 1000 x 1621 px - 72 dpi
| 100,3 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi
| 100,3 kB | .png | 74.083 x 119.944 mm - 210 x 340 px - 72 dpi
| 44,8 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

Dimensional drawing basic component



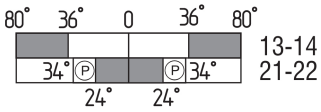
ID: 1-355g01
| 154,0 kB | .cdr |
| 9,3 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 115,6 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Dimensional drawing actuator



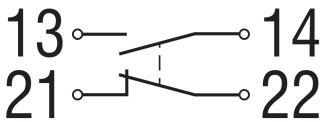
ID: 1h336g01
| 65,6 kB | .cdr |
| 4,1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi
| 84,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

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

Diagram



ID: k1o1sk01
| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi
| 2,6 kB | .png | 74.083 x 29.986 mm - 210 x 85 px - 72 dpi