



T4V7H 355-12Z

- **Metal enclosure**
- **66,7 mm x 76 mm x 38 mm**
- **only for positioning tasks**
- **Mounting details to EN 50041**
- **Switching points to EN 50041**
- **3 cable entries lateral M 20 x 1.5**
- **Wide range of alternative actuators**
- **Good resistance to oil and petroleum spirit**
- **Actuator heads can be repositioned by 4 x 90°**

Data

Ordering data

	T4V7H 355-12Z
	101173081
EAN (European Article Number)	4030661302027
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	T 355 roller lever 7H
Housing construction form	Norm construction design
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	335 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

	BG-GS-ET-15 ISO 13849-1 EN 60947-5-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
-----------------------------------	-----------------------

Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	30,000,000 Operations
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

Terminal Connector	Screw connection 0.75 mm ² 2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of sensor	183 mm
Length of sensor	57.3 mm
Width of sensor	40.5 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
---------------------------------	------

Electrical data

Thermal test current	10 A
Required rated short-circuit current to EN 60947-5-1	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	NO contact, NC contact
Switching principle	Slow action
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Ordering code

Product type description:

(1)(2) 3(3)5-(4)Z(5)-(6)-(7)-(8)-(9)

(1)

Z Snap action

T Slow action (not available for AF/S)

(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

(3)

3 slim design

5 large design

(4)

11 1 NO contacts/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

(6)

G24 with LED

(7)

without 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

Photo/Product/Catalogue



ID: k355hf02

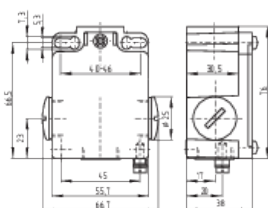
| 483,4 kB | .jpg | 188.383 x 369.358 mm - 534 x 1047

Pixel - 72 dpi

| 98,9 kB | .png | 74.083 x 144.992 mm - 210 x 411

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1x355g01

| 10,6 kB | .png | 74.083 x 51.506 mm - 210 x 146

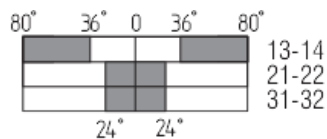
Pixel - 72 dpi

| 132,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 32,9 kB | .cdr |

Diagramm/Product/Travel



ID: kh335s22

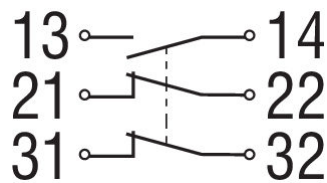
| 66,1 kB | .jpg | 352.778 x 142.522 mm - 1000 x 404

Pixel - 72 dpi

| 25,9 kB | .cdr |

| 2,1 kB | .png | 74.083 x 29.986 mm - 210 x 85 Pixel -
72 dpi

Graphic/Product/Contact

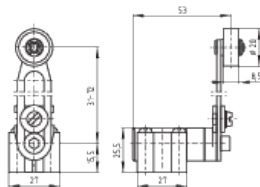


ID: k2o1sk02

| 18,4 kB | .cdr |

| 82,3 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548
Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1h355g02

| 30,2 kB | .cdr |

| 104,9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

| 9,6 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 562021-01-31T05:06:56+01:000501Europe/BerlinSun, 31 Jan 2021 05:06:56

+010056amSunday.31am31Europe/BerlinCET0601Europe/BerlinJanuary2021Sun, 31 Jan 2021 05:06:56

+010001am31