SCHMERSAL
THE DNA OF SAFETY

T3K 355-03Z

- **Metal enclosure**
- **66,7 mm x 76 mm x 38 mm**

- **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°**
- **Actuation from bottom parallel to the switch,**
  therefore only suitable for small housings.

Data

Ordering data	
	T3K 355-03Z
	101148285
EAN (European Article Number)	4030661146096
eCl@ss number, Version 9.0	27-27-26-01
Approval - Standards	
	cULus CCC EAC
General data	
Product name	T 355 angle roller lever 3K
Housing construction form	Norm construction design
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	270 g

General data - Features	
Safety functions	Yes
Number of safety contacts	3
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	Angle roller lever
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note (Switchover time)	Switchover time in accordance with actuating speed
Mechanical data - Connection technique	
Terminal Connector	Screw connection
	0.75 mm²
	2.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Mechanical data - Dimensions	
Height of sensor	121.5 mm
Length of sensor	38 mm
Width of sensor	66.7 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	Opener (NC)
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

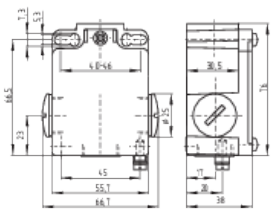
Pictures

Photo/Product/Catalogue

ID: k355kf02

| 85,5 kB | .png | 74.083 x 122.061 mm - 210 x 346 Pixel - 72 dpi
| 565,7 kB | .jpg | 201.083 x 331.964 mm - 570 x 941 Pixel - 72 dpi

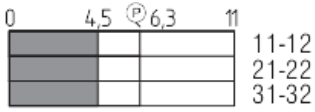
Dimension/Product/Basic



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 |

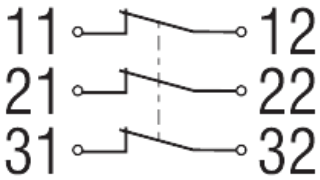
Diagramm/Product/Travel



ID: kk335s29

| 49,9 kB | .jpg | 352.778 x 119.592 mm - 1000 x 339 Pixel - 72 dpi
| 25,9 kB | .cdr |
| 1,8 kB | .png | 74.083 x 25.047 mm - 210 x 71 Pixel - 72 dpi

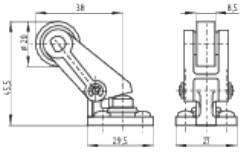
Graphic/Product/Contact



ID: k3o3sk01

| 82,7 kB | .jpg | 352.778 x 191.558 mm - 1000 x 543 Pixel - 72 dpi
| 18,9 kB | .cdr |
| 2,4 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel - 72 dpi
| 6,7 kB | .png | 50.038 x 27.178 mm - 591 x 321 Pixel - 300 dpi
| 2,4 kB | .jpg | 33.161 x 17.992 mm - 94 x 51 Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1k336g02

| 60,3 kB | .cdr |
| 8,9 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 94,1 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi