SCHMERSAL
THE DNA OF SAFETY

T3K336-11Z

- **Double-insulated**
- **Design to EN 50041**
- **Thermoplastic enclosure**
- **1 Cable entry 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 336-11Z
	101084111
EAN (European Article Number)	4030661045559
eCl@ss number, Version 9.0	27-27-26-01
Approval - Standards	
	cULus CCC EAC
General data	
Product name	336 angle roller lever 3K
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	120 g
General data - Features	
Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	1

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	53 mm
Ambient conditions	
	IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C
Ambient conditions - Insulation value	
Rated impulse withstand voltage	6 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	Creep circuit element
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Ordering code

Product type description:

(1)(2) 336-(3)Z(4)-(5)-(6)-(7)

(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)

11 1 NO contacts/1 NC contact

02 2 NC contact

20 2 NO contacts, (switches with 2 NO contacts are not suitable for safety applications)

01/01 1 NC contact left / 1 NC contact right

(4)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(5)

without Cable entry M20

NPT Cable entry NPT 1/2"

ST M12 connector with A-coding

ST-2310 M12 connector with B-coding

(6)

2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

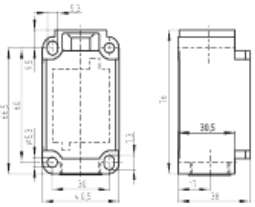
Pictures

Photo/Product/Catalogue

ID: k336kf02

| 97,8 kB | .png | 74.083 x 139.347 mm - 210 x 395 Pixel - 72 dpi
| 466,1 kB | .jpg | 186.972 x 351.719 mm - 530 x 997 Pixel - 72 dpi

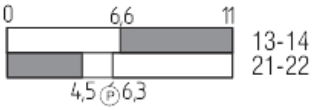
Dimension/Product/Basic



ID: 1-336g01

| 51,4 kB | .cdr |
| 107,0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi
| 4,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

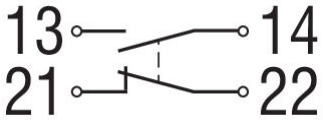
Diagramm/Product/Travel



ID: kk335s06

| 1,8 kB | .png | 74.083 x 23.636 mm - 210 x 67 Pixel - 72 dpi
| 24,7 kB | .cdr |
| 42,5 kB | .jpg | 352.778 x 111.831 mm - 1000 x 317 Pixel - 72 dpi

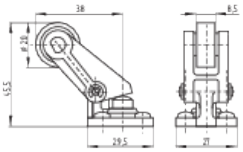
Graphic/Product/Contact



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 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