



T4R 255-20Z

- Metal enclosure
- 63 mm x 63,5 mm x 30 mm
- 3 cable entries M 20 x 1.5
- Mounting details to EN 50047
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	T4R 255-20Z
	101174912
eCl@ss number, Version 9.0	27-27-06-01

General data

Product name	T 255 roller plunger with central mounting 4R
	IEC 60947-5-1
	ISO 13849-1
	BG-GS-ET-15
Housing construction form	Norm construction design
Enclosure material	Zink
Enclosure coating material	painted
Material of the contacts, electrical	Silver

General data - Features

Number of auxiliary contacts	2
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Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Mechanical data

Actuating element	Roller plunger
Mechanical life, minimum	20,000,000 Operations
Actuating force, minimum	9 N
Positive break force, minimum	19 N
Actuating speed, minimum	120 mm/min
Actuating speed, maximum	1 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

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	103.5 mm
Length of sensor	30 mm
Width of sensor	63 mm

Ambient conditions

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

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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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	1 A
Switching element	Normally open contact (NO)

Switching principle
Switching frequency

Creep circuit element
5,000 /h

Notes

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

Pictures

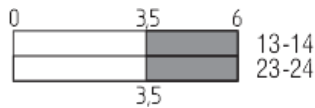
Photo/Product/Catalogue



ID: k255rf03

| 805,1 kB | .jpg | 338.667 x 536.222 mm - 960 x 1520
Pixel - 72 dpi
| 70,3 kB | .png | 74.083 x 117.122 mm - 210 x 332
Pixel - 72 dpi

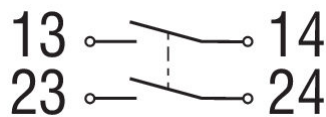
Diagramm/Product/Travel



ID: kr235s10

| 1,6 kB | .png | 74.083 x 22.578 mm - 210 x 64 Pixel -
72 dpi
| 23,4 kB | .cdr |
| 36,8 kB | .jpg | 352.778 x 106.892 mm - 1000 x 303
Pixel - 72 dpi

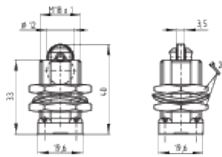
Graphic/Product/Contact



ID: k--2sk01

| 51,9 kB | .jpg | 352.778 x 135.819 mm - 1000 x 385
Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1r236g02

| 8,5 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 169,4 kB | .cdr |

| 90,5 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 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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