



T4S 255-02ZH

- 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

	T4S 255-02ZH
	101174915
eCl@ss number, Version 9.0	27-27-26-01

General data

Product name	T 255 plunger with central mounting 4S
	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

Safety functions	Yes
Number of safety contacts	2

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

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

Actuating element	Plunger
Mechanical life, minimum	20,000,000 Operations
Actuating force, minimum	9 N
Positive break force, minimum	19 N
Actuating speed, minimum	60 mm/min
Actuating speed, maximum	1 m/s
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

Switching element

Switching principle

Switching frequency

1 A

Opener (NC)

Slow action with staggered contacts

5,000 /h

Pictures

Photo/Product/Catalogue



ID: k255sf02

| 874,1 kB | .jpg | 338.667 x 533.047 mm - 960 x 1511

Pixel - 72 dpi

| 72,9 kB | .png | 74.083 x 116.417 mm - 210 x 330

Pixel - 72 dpi

Diagramm/Product/Travel



ID: kr235s13

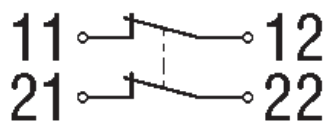
| 1,5 kB | .png | 74.083 x 23.283 mm - 210 x 66 Pixel -
72 dpi

| 37,9 kB | .jpg | 352.778 x 111.478 mm - 1000 x 316

Pixel - 72 dpi

| 16,5 kB | .cdr |

Graphic/Product/Contact

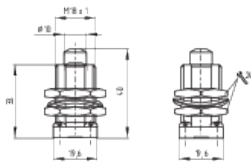


ID: k2o--k01

| 48,8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355
Pixel - 72 dpi

| 1,4 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel -
72 dpi

Dimension/Product/Actuator



ID: 1s236g02

| 7,5 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 133,3 kB | .cdr |

| 82,3 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
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.

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