

Z4S 255-02Z



- 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°
- Snap action with constant contact pressure up to switching point

Data

Ordering data

Z4S 255-02Z

101174990

eCl@ss number, Version 9.0

27-27-26-01

General data

Product name	Z 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

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

10 mm/min

Actuating speed, maximum

1 m/s

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

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

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	Opener (NC)
Switching principle	Snap switch element
Bounce duration, maximum	3 ms
Switching frequency	5,000 /h
Switchover time, minimum	5.5 ms

Pictures

Photo/Product/Catalogue

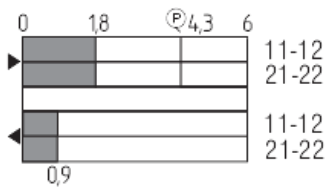


ID: k255sf02

| 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



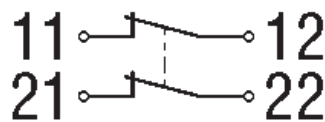
ID: kr235s11

| 2,2 kB | .png | 74.083 x 41.628 mm - 210 x 118 Pixel - 72 dpi

| 26,7 kB | .cdr |

| 71,1 kB | .jpg | 352.778 x 197.908 mm - 1000 x 561 Pixel - 72 dpi

Graphic/Product/Contact

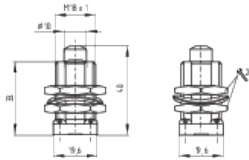


ID: k2o--k01

| 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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