



TS335-20Z-M20

- Metal enclosure
- 66,7 mm x 76 mm x 38 mm
- 1 Cable entry M 20 x 1.5
- 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°

Data

Ordering data

	TS 335-20Z
	101082519
EAN (European Article Number)	4030661063911
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	T 335 plunger S T 355 plunger S
Housing construction form	Norm construction design B
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	180 g

General data - Features

Number of auxiliary contacts	2
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Safety appraisal

BG-GS-ET-15
ISO 13849-1
EN 60947-5-1

Mission Time

20 Year(s)

Mechanical data

Actuating element	Plunger
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
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	38 mm
Width of sensor	40.5 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	4 A

Switching element	Normally open contact (NO)
Switching principle	Slow action
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Notes

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

NPT

ST

ST-2310

Cable entry M20

Cable entry NPT 1/2"

M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

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

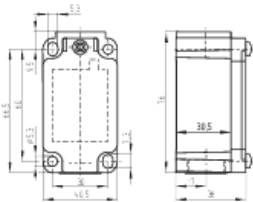


ID: k335sf01

| 156,7 kB | .png | 74.083 x 166.511 mm - 210 x 472
Pixel - 72 dpi

| 454,9 kB | .jpg | 136.172 x 306.211 mm - 386 x 868
Pixel - 72 dpi

Dimension/Product/Basic



ID: 1-335g01

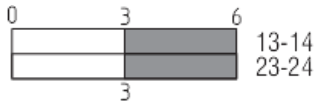
| 105,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi

| 4,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 96,7 kB | .cdr |

Diagramm/Product/Travel

ID: kr335s10



| 1,4 kB | .png | 74.083 x 22.225 mm - 210 x 63 Pixel - 72 dpi

| 23,4 kB | .cdr |

| 33,9 kB | .jpg | 352.778 x 105.128 mm - 1000 x 298 Pixel - 72 dpi

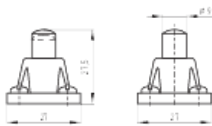
Graphic/Product/Contact



ID: k--2sk01

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

Dimension/Product/Actuator



ID: 1s336g01

| 2,7 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel - 72 dpi

| 48,9 kB | .cdr |

| 52,6 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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