



EX-TS335-20Y

- Metal enclosure
- Ex-Zone 1 and 21
- 40,5 mm x 76 mm x 38 mm
- 1 Cable entry M 20 x 1.5
- Mounting details to EN 50041
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	EX-TS335-20Y
	101211816
EAN (European Article Number)	4030661448763
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
IECEX

Explosion protection

EN 60079-0
EN 60079-1
EN 60079-31
EN 60079-7
EN 60947-5-1
1
21
2D
2G
⊕ II 2G Ex d e IIC T6 Gb
⊕ II 2D Ex tb IIIC T80°C Db

General data

Product name	EX-T 335 plunger S BG-GS-ET-15
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Housing construction form	Norm construction design
	B
Enclosure material	Zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	320 g

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	Plunger
Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	7 J
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
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	1 mm ²
	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Height of sensor	103.5 mm
Length of sensor	38 mm
Width of sensor	40.5 mm

Ambient conditions

	IP65
Ambient temperature, minimum	-20 °C

Ambient temperature, maximum (Cable section 1mm²) +50 °C

Ambient temperature, maximum (Cable section 2.5mm²) +55 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage 4 kV

Electrical data

Thermal test current 5 A
Switching element Normally open contact (NO)
Switching principle Slow action
Bounce duration, maximum 3 ms
Switching frequency 1,800 /h

Notes

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

Ordering code

Product type description:

EX-T(1) 335-(2)Y(3)-(4)-(5)

(1)

S Plunger S
R Roller plunger R
H Roller lever H
10H Rod lever 10H
7H Roller lever 7H
7H-2138 Roller lever 7H for position switches with safety function
1K Offset roller lever 1K
3K Angle roller lever 3K

(2)

11 1 NO contacts/1 NC contact
02 2 NC contact
20 2 NO contacts (not suitable for safety applications)

(3)

UE Slow action with overlapping contacts
without Slow action with staggered contacts

(4)

2138 Roller lever 7H for position switches with safety function

(5)

RMS Roller made from brass

Pictures

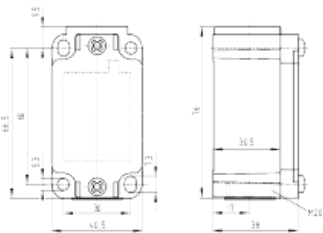
Photo/Product/Catalogue



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

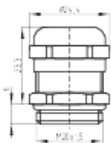
Dimension/Product/Basic



ID: k-335g01

| 126,8 kB | .jpg | 352.778 x 248.708 mm - 1000 x 705
Pixel - 72 dpi
| 4,1 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi
| 27,9 kB | .cdr |

Dimension/Product/Basic

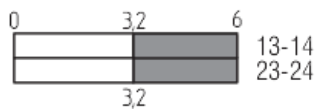


ID: 1xzm1g07

| 2,5 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi
| 46,3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

Diagramm/Product/Travel

ID: ks335s04



| 19,5 kB | .cdr |

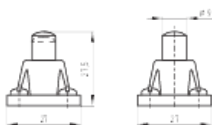
| 38,6 kB | .jpg | 352.778 x 109.714 mm - 1000 x 311

Pixel - 72 dpi

| 1,5 kB | .png | 74.083 x 22.931 mm - 210 x 65 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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