

EX-TR335-11YUE

- **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-TR335-11YUE
	101212081
EAN (European Article Number)	4030661448718
eCl@ss number, Version 9.0	27-27-26-01
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
	Ⓔx II 2G Ex d e IIC T6 Gb Ⓔx II 2D Ex tb IIIC T80°C Db
General data	
Product name	EX-T 335 roller plunger _R
	BG-GS-ET-15

Housing construction form	Norm construction design
	C
Enclosure material	Zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	320 g
General data - Features	
Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	1
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	Roller 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 (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
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 mm²
	2.5 mm²
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	116.6 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	NO contact, NC contact
Switching principle	Slow action with overlapping contacts
Bounce duration, maximum	3 ms
Switching frequency	1,800 /h
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

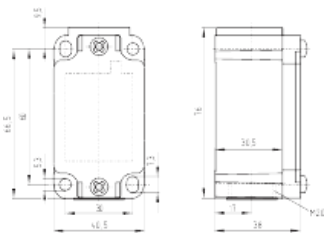
Photo/Product/Catalogue



ID: k335rf01

| 488,3 kB | .jpg | 137.583 x 342.194 mm - 390 x 970 Pixel - 72 dpi
| 167,3 kB | .png | 74.083 x 184.15 mm - 210 x 522 Pixel - 72 dpi

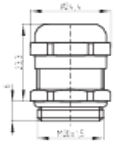
Dimension/Product/Basic



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 |

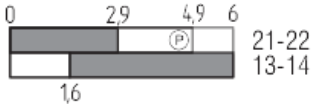
Dimension/Product/Basic



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

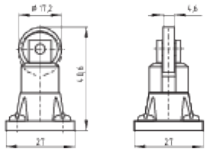
Diagramm/Product/Travel



ID: kr335s01

| 20,2 kB | .cdr |
| 1,8 kB | .png | 74.083 x 22.931 mm - 210 x 65 Pixel - 72 dpi
| 44,3 kB | .jpg | 352.778 x 109.714 mm - 1000 x 311 Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1r336g01

| 6,6 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel - 72 dpi
| 66,1 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 Pixel - 72 dpi
| 51,1 kB | .cdr |

Illistration/Product/Function



ID: 235rz01

| 149,7 kB | .jpg | 352.778 x 799.394 mm - 1000 x 2266 Pixel - 72 dpi
| 15,2 kB | .cdr |
| 2,9 kB | .png | 74.083 x 167.922 mm - 210 x 476 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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