



EX-TV7H 235-11Z-3D

- Metal enclosure
- 30 mm x 63,5 mm x 30 mm
- 1 Cable entry M 20 x 1.5
- only for positioning tasks
- Mounting details to EN 50047
- Wide range of alternative actuators
- Lever angle adjustable in 10° steps
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	EX-TV7H 235-11Z-3D
	101208789
EAN (European Article Number)	4030661381022
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

IMMETRO

Explosion protection

EN 60079-15
EN 60079-31
IEC 60079-0
22
2
3D
3G
⊕ II 3G Ex nC IIC T5 Gc X
⊕ II 3D Ex tc IIIC T90°C Dc X

Manufacturer declaration	ATEX Zone 2 and 22
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General data

Product name	EX-T 235 roller lever 7H EN 60947-5-1 BG-GS-ET-15
Housing construction form	Norm construction design
Enclosure material	Zink
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	269 g

General data - Features

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
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Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	20,000,000 Operations
Actuating speed, minimum	1,440 mm/min
Actuating speed, maximum	1 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed
Note (Switchover time)	Switchover time in accordance with actuating speed
Actuating torque, minimum	0.2 Nm

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable cross-section of the cable glands, minimum	6 mm
Cable cross-section of the cable glands, maximum	12 mm
	0.75 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	160.5 mm
Length of sensor	49 mm
Width of sensor	30 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-20 °C
Ambient temperature, maximum	+60 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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Electrical data

Thermal test current	10 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	NO contact, NC contact
Switching principle	Creep circuit element
Switching frequency	5,000 /h

Ordering code

Product type description:

EX-(1)(2) 235-(3)Z-(4)-(5)-(6)-(7)-
3D

(1)

Z Snap action

T Slow action (not available for AF/S)

(2)

S Plunger S

R Roller plunger R

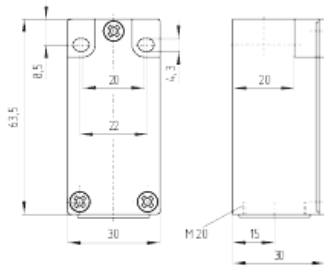
4S Plunger 4S

4R Roller plunger 4R

14H Roller lever 14H

1637 Gold-plated contacts

Dimension/Product/Basic



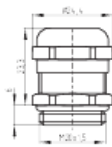
ID: k-235g01

| 111,2 kB | .jpg | 352.778 x 293.511 mm - 1000 x 832
Pixel - 72 dpi

| 24,5 kB | .cdr |

| 3,6 kB | .png | 74.083 x 61.736 mm - 210 x 175 Pixel
- 72 dpi

Dimension/Product/Basic

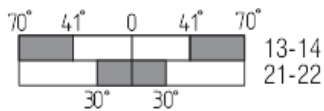


ID: 1xzm1g07

| 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



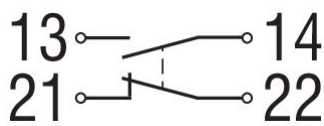
ID: kh235s11

| 50,4 kB | .jpg | 352.778 x 113.594 mm - 1000 x 322
Pixel - 72 dpi

| 24,6 kB | .cdr |

| 1,8 kB | .png | 74.083 x 23.989 mm - 210 x 68 Pixel - 72 dpi

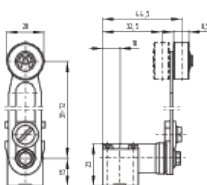
Graphic/Product/Contact



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407
Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1h236g06

| 102,2 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693
Pixel - 72 dpi

| 9,7 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

| 30,0 kB | .cdr |

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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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