



M2S 330-11Y

- Long life
- Metal enclosure
- free of silicon
- 1 Cable entry M 20 x 1.5
- Suitable for low actuating speeds
- proved in power station applications
- 40 mm x 76 mm x 40 mm (basic component)
- with bellows to protect against heavy soiling

Data

Ordering data

M2S 330-11Y

101149639

EAN (European Article Number) 4030661152646

eCl@ss number, Version 9.0 27-27-06-01

Approval - Standards

DNV.GL

cULus

CCC

EAC

General data

Product name	M 330 telescopic plunger 2S
	EN 60947-5-1
Active principle	mechanical
Slide form	Sphere
Enclosure material	Cast iron
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	190 g

General data - Features

Number of openers	1
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Number of shutters	1
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Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Plunger
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	45 N
Contact opening	2 x 0.5 mm
Actuating speed, minimum	1 mm/min
Repeat accuracy of switching points	0

Mechanical data - Connection technique

Terminal Connector	Screw connection
	1.5 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	120.5 mm
Length of sensor	40 mm
Width of sensor	40 mm
Diameter of the Plunger	8.5 mm

Ambient conditions

Protection class	IP 65 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C
	50 g / 6 ms

Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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Electrical data

Thermal test current	6 A
Utilisation category AC-15	230 VAC

Utilisation category AC-15	2.5 A
Switching element	NO contact, NC contact
Note (Switching element)	galvanically separated contact bridges
Switching principle	Snap switch element
Bounce duration, maximum	43,221 ms
Switchover time, maximum	10 ms

Notes

Note (General)	Actuation from the side of the plunger should be avoided, since this reduces the mechanical life of the position switch.
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Ordering code

Product type description:

M(1) 330-11Y-(2)-(3)

(1)

- S** Plunger S
- 2S** Telescopic plunger 2S
- R** Roller plunger R
- K** Offset roller lever K
- 3K** Angle roller lever 3K
- 3S** Side plunger 3S
- 3R** Side roller plunger 3R
- AF** Spring rod lever AF
- 4D** Fork roller level 4D
- 8H** Roller lever 8H
- 7H** Roller lever 7H
- 10H** Rod lever 10H
- H** Roller lever H
- 4H** Spring rod lever on shaft 4H
- 2H** Leaf spring lever 2H
- 3H** Roller lever 3H
- 9H** Rod lever 9H
- 6H** Leaf spring lever 6H

(2)

- without** without LED switching conditions display
- G24** with LED switching conditions display

(3)

- AuNi** Gold-nickel alloy contacts

- 1164** Splined shaft and lever available with 10° toothing
- 1366** For temperatures up to +160°C

Pictures

Photo/Product/Catalogue

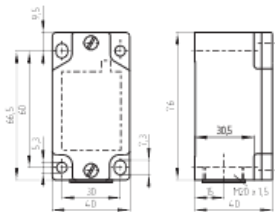


ID: km330f08

| 684,9 kB | .jpg | 166.158 x 382.058 mm - 471 x 1083 Pixel - 72 dpi

| 146,5 kB | .png | 74.083 x 170.039 mm - 210 x 482 Pixel - 72 dpi

Dimension/Product/Basic



ID: 1m330g01

| 107,3 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

| 24,6 kB | .cdr |

| 4,0 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi

Diagramm/Product/Travel



ID: km330s05

| 68,5 kB | .jpg | 352.778 x 206.375 mm - 1000 x 585 Pixel - 72 dpi

| 1,3 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel - 72 dpi

Graphic/Product/Contact

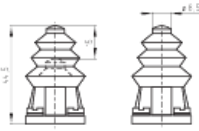


ID: k1o1sk07

| 37,9 kB | .jpg | 352.778 x 146.403 mm - 1000 x 415 Pixel - 72 dpi

| 17,3 kB | .cdr |

Dimension/Product/Actuator



ID: 1m330b08

| 3,3 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 64,4 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

Illustration/Product/Function



ID: 235sz01

| 14,1 kB | .cdr |

| 1,8 kB | .png | 74.083 x 251.883 mm - 210 x 714
Pixel - 72 dpi

| 95,3 kB | .jpg | 352.778 x 1199.444 mm - 1000 x
3400 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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