

MS 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)**

Data

Ordering data	
	MS 330-11Y
	101160614
EAN (European Article Number)	4030661190808
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	DNV.GL cULus CCC EAC
General data	
Product name	M 330 plunger S
	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	175 g
General data - Features	
Number of openers	1
Number of shutters	1

Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	20,000,000 Operations
Mechanical data	
Actuating element	Plunger
Mechanical life, minimum	30,000,000 Operations
Actuating angle	20 °
Actuating force, minimum	17.5 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 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	87 mm
Length of sensor	40 mm
Width of sensor	40 mm
Diameter of the Plunger	9 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
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.

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

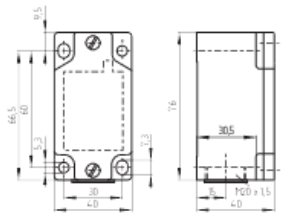
Photo/Product/Catalogue



ID: km330f01

| 1,0 MB | .jpg | 352.778 x 688.975 mm - 1000 x 1953 Pixel - 72 dpi
| 73,2 kB | .png | 74.083 x 144.639 mm - 210 x 410 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

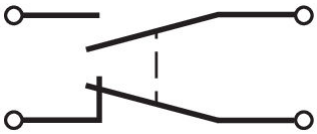
Diagramm/Product/Travel



ID: km330s01

| 66,8 kB | .jpg | 352.778 x 208.139 mm - 1000 x 590 Pixel - 72 dpi
| 1,2 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel - 72 dpi

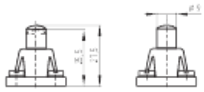
Graphic/Product/Contact



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: 1m330b01

| 2,5 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi
| 44,6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

Illistration/Product/Function



ID: 235rz02

| 2,7 kB | .png | 74.083 x 206.728 mm - 210 x 586 Pixel - 72 dpi
| 15,8 kB | .cdr |
| 161,4 kB | .jpg | 352.778 x 984.603 mm - 1000 x 2791 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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