



MK330-11Y-M20

- 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)
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

Product type description	MK 330-11Y
Article number (order number)	101163173
EAN (European Article Number)	4030661202525
eCl@ss number, Version 9.0	27-27-06-01
eCl@ss number, Version 11.0	27-27-06-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

Approval - Standards

Certificates	DNV.GL
	cULus
	CCC
	EAC
	CNCA

General data

Product name	330 offset roller lever K
Standards	EN 60947-5-1
Active principle	mechanical
Slide form	Castor
Enclosure material	Cast iron
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Roller material	Plastic

Gross weight	190 g
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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	Offset roller lever
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	19 N
Contact opening	2 x 0.5 mm
Actuating speed, minimum	1 mm/min
Repeat accuracy of switching points	0.02

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	1.5 mm ²
Cable section, maximum	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

Length of sensor	40 mm
Width of sensor	40 mm
Height of sensor	113.5 mm
Width of Castor	8.5 mm
Diameter of Castor	18 mm

Ambient conditions

Degree of protection	IP 65 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C
Resistance to shock	50 g / 6 ms

Ambient conditions - Insulation value

Rated impulse withstand voltage U _{imp}	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 right 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

Product picture (catalogue individual photo)



ID: km330f11

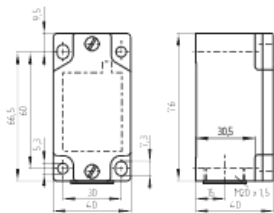
| 150,4 kB | .png | 74.083 x 176.036 mm - 210 x 499

Pixel - 72 dpi

| 459,1 kB | .jpg | 142.169 x 338.314 mm - 403 x 959

Pixel - 72 dpi

Dimensional drawing basic component



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

Switch travel diagram



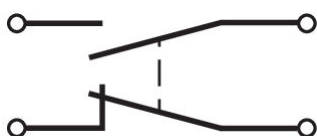
ID: km330s07

| 68,0 kB | .jpg | 352.778 x 206.375 mm - 1000 x 585

Pixel - 72 dpi

| 1,2 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel
- 72 dpi

Diagram



ID: k1o1sk07

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

Pixel - 72 dpi

| 17,3 kB | .cdr |

Operating principle



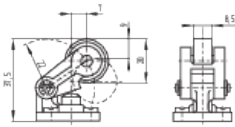
ID: 235rz03

| 131,9 kB | .jpg | 352.778 x 773.642 mm - 1000 x 2193 Pixel - 72 dpi

| 15,5 kB | .cdr |

| 2,7 kB | .png | 74.083 x 162.278 mm - 210 x 460 Pixel - 72 dpi

Dimensional drawing actuator



ID: 1m330b11

| 86,6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

| 8,4 kB | .png | 74.083 x 51.858 mm - 210 x 147 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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