M3K 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)**
- **Actuator heads can be repositioned by 4 x 90°**
- **Actuation from bottom parallel to the switch,**
  therefore only suitable for small housings.

Data

Ordering data	
	M3K 330-11Y
	101168054
EAN (European Article Number)	4030661220338
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	DNV.GL cULus CCC EAC
General data	
Product name	330 angle roller lever 3K
	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	100 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	Angle roller lever
Mechanical life, minimum	30,000,000 Operations
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	121.5 mm
Length of sensor	40 mm
Width of sensor	58 mm
Width of Castor	8.5 mm
Diameter of Castor	20 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 above 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

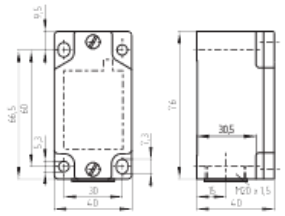
Photo/Product/Catalogue



ID: km330f12

| 663,3 kB | .jpg | 193.322 x 381 mm - 548 x 1080 Pixel - 72 dpi
| 105,1 kB | .png | 74.083 x 145.697 mm - 210 x 413 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

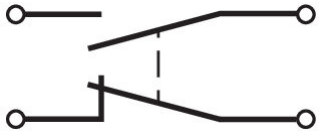
Diagramm/Product/Travel



ID: km330s08

| 67,3 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

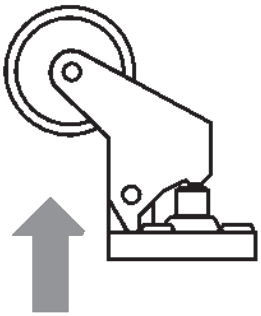
Graphic/Product/Contact



ID: k1o1sk07

| 37,9 kB | .jpg | 352.778 x 146.403 mm - 1000 x 415 Pixel - 72 dpi
| 17,3 kB | .cdr |

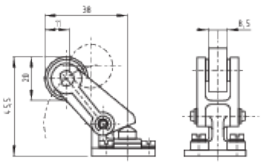
Illistration/Product/Function



ID: 235kz03

| 2,5 kB | .png | 73.731 x 88.9 mm - 209 x 252 Pixel - 72 dpi
| 15,5 kB | .cdr |
| 125,4 kB | .jpg | 352.778 x 424.744 mm - 1000 x 1204 Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1m330b12

| 98,1 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 Pixel - 72 dpi
| 9,5 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal
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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