



MK 015-11Y-M20

- 3 Cable entry M 20 x 1.5
- Metal enclosure
- 2 Contacts
- 67 mm x 75 mm x 43 mm (basic component)
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering code	
Note (Delivery capacity)	Not available!
Product type description	MK 015-11Y-M20
Article number (order number)	101160412
EAN (European Article Number)	4030661189826
eCl@ss number, version 12.0	27-27-06-01
eCl@ss number, version 11.0	27-27-06-01
eCl@ss number, version 9.0	27-27-06-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030
Approvals - Standards	
Certificates	CCC
General data	
Standards	EN IEC 60947-5-1
Working principle	mechanical
Housing material	Light-alloy diecast
Housing coating material	chromated
Gross weight	265 g

General data - Features

Number of normally closed (NC)	1
Number of normally open (NO)	1

Mechanical data

Actuating element	Offset roller lever
Roller material	Plastic
Mechanical lifetime, minimum	10,000,000 Operations
Actuating angle, from left of switch axis	45 °
Actuating angle, from right of switch axis	30 °
Actuating force	11 N
Contact opening	max. 2 x 2.5 mm
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with vertical actuating angle to switch axis

Mechanical data - Connection technique

Cable entry	3 x M20 x 1,5
Cable section, minimum	1.5 mm ²
Cable section, maximum	2.5 mm ²
Note	All indications including the conductor ferrules.
Wire cross-section	13 AWG
Wire cross-section, maximum	13 AWG
Terminal (mechanical)	Screw connection

Mechanical data - Dimensions

Length of sensor	43 mm
Width of sensor	67 mm
Height of sensor	113 mm
Width of Castor	8.5 mm
Diameter of Castor	20 mm
Diameter of the ISO-thread	M3

Ambient conditions

IP Degree of protection	IP65
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Ambient conditions

Ambient temperature -30 ... +90 °C

Protection class I

Ambient conditions - Insulation values

Rated insulation voltage U_i 400 V

Rated impulse withstand voltage U_{imp} 6 kV

Degree of pollution 3

Electrical data

Thermal test current 10 A

Rated operating voltage 400 VAC

Operating current 2,500 mA

Required rated short-circuit current 1,000 A

Utilisation category AC-15 400 VAC

Utilisation category AC-15 2.5 A

Switching element 1 NO contact, 1 NC contacts

Switching principle Snap action

Bounce duration, maximum 2.5 ms

Maximum switching frequency 500 /h

Switchover time, maximum 40 ms

Material of the contacts, electrical Silver

Note

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

Pictures

Product picture (catalogue individual photo)



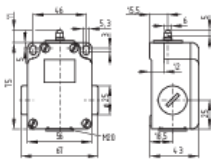
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[| 63.86 KB | .jpg | 212 x 350 Pixel](#)

[| 123.57 KB | .png | 210 x 347 Pixel](#)

Dimensional drawing basic component

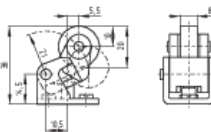


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Dimensional drawing actuator



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Switch travel diagram



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Diagram



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[| 2.58 KB | .png | 210 x 101 Pixel](#)

Operating principle



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