

Datasheet - MK 015-11Y



Position switch / medium heavy Position switch / Product series 015, 016, 017 - Metal enclosure / 015 / 015 Offset roller lever K

Preferred typ



(Minor differences between the printed image and the original product may exist!)

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

Ordering details


Product type description	MK 015-11Y
Article number	101160412
EAN code	4030661189826
eCl@ss	27-27-06-01

Approval

Approval



Global Properties

Product name	015 Rollenhebel K
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
Standard housing (Y/N)	No
Materials	
- Material of the housings	light alloy die-casting, painted
- Roller material	Plastic
- Material of the contacts	Silver

Housing coating	painted
Weight	265 g
Slide form	Castor

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	
- Max. Cable section	2.5 mm ²
AWG-Number	13
Active principle	mechanical
Mechanical life	10.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Design of actuating element	Offset roller lever
Actuating force	11 N
Bounce duration	≤ 2.5 ms
Switchover time	≤ 40 ms
Contact opening	2 x 1.2 mm
Actuating speed with vertical actuating angle to switch axis	
- Min. Actuating speed	1 mm/min
- Max. Actuating speed	0,5 m/s
- Actuating angle from left of switch axis	45°
- Actuating angle from right of switch axis	30°

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-30 °C
- Max. environmental temperature	+90 °C
Protection class	IP65 to IEC/EN 60529

Electrical data

Design of control element	Normally open contact (NO), Opener (NC)
- Change-over contact with double break	
- galvanically separated contact bridges	
Switching principle	Snap switch element
Number of shutters	1 piece
Number of openers	1 piece
Rated insulation voltage U _i	500 V
Thermal test current I _{the}	10 A
Utilisation category	AC-15: 400 V / 2,5 A
Max. fuse rating	20 A gG D-fuse

Dimensions

Dimensions of the sensor	
- Width of sensor	67 mm
- Height of sensor	113 mm
- Length of sensor	43 mm
Roller wide	8.5 mm
Roller diameter	20 mm

notice






notice

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

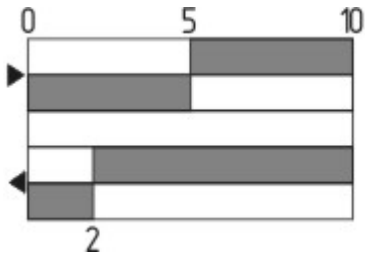
Diagram








Note Diagram

-  positive break NC contact
-  active
-  no active
-  Normally-open contact
-  Normally-closed contact

Switch travel diagram



Notes Switch travel diagram

-  Contact closed
-  Contact open
-  Setting range
-  Break point
-  Positive opening sequence/- angle
- VS** adjustable range of NO contact
- VÖ** adjustable range of NC contact
- N** after travel

Ordering suffix

The applicable ordering suffix is added at the end of the part number of the safety switch.

Order example: MK 015-11Y- C

...- C

Magnetic blow-out
Blow-out magnets available to switch high DC currents
Rated operating current/voltage I_e/U_e : 1 A / 220 V; 4 A / 24 V
Utilisation category: DC-13

...-RMS

Available with metal roller

Ordering code

(1)(2) 015-(3)Y-(4)

(1)	
T	Slow action
M	Snap action
(2)	
S	Plunger S
2S	Telescopic plunger 2S
K	Offset roller lever K
2K	Rocking offset roller lever 2K
3K	Angle roller lever 3K
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
(3)	
11	1 Normally open contact (NO) / 1 Opener (NC)
02	2 Opener (NC)
20	2 Normally open contact (NO)
(4)	
UE	Slow action with overlapping contacts
H	Slow action with staggered contacts
C	Magnetic blow-out

Documents

Operating instructions and Declaration of conformity (it) 86 kB, 09.03.2016

Code: mrl_posi-allgemein_it

Operating instructions and Declaration of conformity (de) 88 kB, 18.02.2016

Code: mrl_posi-allgemein_de

Operating instructions and Declaration of conformity (ru) 133 kB, 23.12.2015

Code: mrl_posi-allgemein_ru

Operating instructions and Declaration of conformity (en) 86 kB, 23.12.2015

Code: mrl_posi-allgemein_en

Operating instructions and Declaration of conformity (pl) 118 kB, 01.04.2016

Code: mrl_posi-allgemein_pl

Operating instructions and Declaration of conformity (es) 88 kB, 09.03.2016

Code: mrl_posi-allgemein_es

Declaration of conformity (de) 325 kB, 10.04.2013

Code: __015p01

Declaration of conformity (en) 82 kB, 15.04.2013

Code: konfi_mrl_tm015_en

CCC certification (en) 167 kB, 20.11.2015

Code: q_372p02

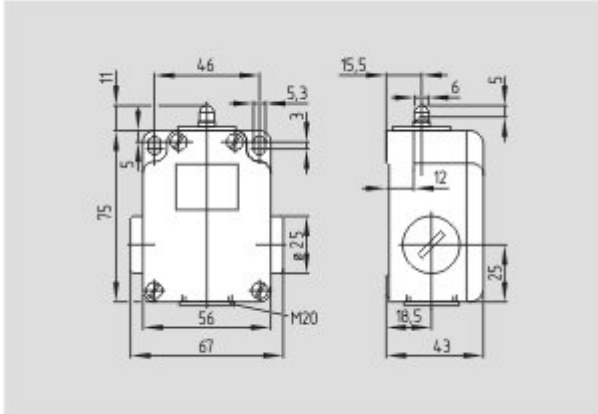
CCC certification (cn) 165 kB, 20.11.2015

Code: q_372p03

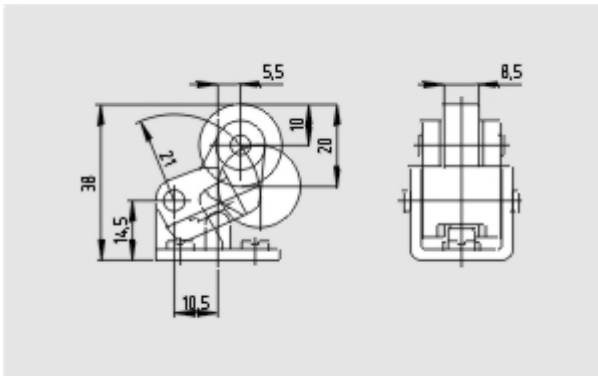
EAC certification (ru) 388 kB, 20.01.2016

Code: q_1527p17_ru

Images



Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)



Operating principle
