

Datasheet - RK-T-21-1ST8-2



Command and signalling devices / Spring-return joystick switches / Maintained joystick switches RK / NK / RK - Spring-return joystick switches / Maintained joystick switches



- Spring-return joystick switches
- Mounting hole 22.3 mm
- Mounting Knurled nut
- bis 6 mm Front plate thickness
- for rough ambient conditions

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


Ordering details

Product type description	RK-T-21-1ST8-2
Article number	103012429
EAN Code	4030661489957
eCl@ss	27-37-14-04

Approval

Approval

Global Properties

Permanent light	Kreuztaster RK
Standards	IEC 60947-5-1, IEC 60947-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
suitable for exterior use (Y/N)	Yes
Mounting	central nut AF41
Mounting position	arbitrarily
Materials	
- Material of the front ring	Plastic
- Material of the bellows	Silicone
Material thickness of the sealing bellows	1.5

Color	
- Colour of the bellows	Grey
- Colour of the front ring	Black
Weight	140

Mechanical data

Design of electrical connection	Connector M12, 8-pole
Number of terminals	1
Mechanical life	
Total	1.000.000 operations
Touch position	500000 operations for each position
Switching frequency	1200 s
Actuating force	11
actuating travel	20
restistance to shock	30 / 11
Continuous shock	10 / 16
Resistance to vibrations (reed contacts)	20 / 10 ... 2000
additional sealing element (Y/N)	Yes
Latching (Y/N)	No
Probing possible (Y/N)	Yes
Return to zero position (Y/N)	Yes
Number of directions	2
Number of switch positions	0
Number of the touch position	2
Position A, B	
Front plate thickness	
- min. front plate thickness	1.5
- max. front plate thickness	6

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-40
- Max. environmental temperature	+80
Protection class	
outside front plate	IP67, IP69
contact element	IP67
Degree of pollution	2

Electrical data

Switching principle	reed contacts, Non-contact principle
Switching capacity	7.2
Rated impulse withstand voltage	0,5
Rated insulation voltage	30
Operating current	0,3 A
Utilisation category	DC-12: 30 V / 0,3 A
Max. fuse rating	0,5 A
Contacts at position	
- A	1 Normally open contact (NO)
- B	1 Normally open contact (NO)
- C	-
- D	-

ATEX

Explosion protection categories for gases	None
Explosion protected category for dusts	None

Dimensions

Dimensions	
- Length of the actuator	85
- Mounting depth	30 plus Connector
Hole of central anchorage, diameter	22.7
Mounting hole IEC/EN 60947-1	22.3 + 0,4
Spacing	90 x 90

Documents

Operating instructions and Declaration of conformity (fr) 1 MB, 14.11.2018

Code: mrl_rk-nk_fr

Operating instructions and Declaration of conformity (it) 977 kB, 26.06.2017

Code: mrl_rk-nk_it

Operating instructions and Declaration of conformity (pl) 1 MB, 06.12.2018

Code: mrl_rk-nk_pl

Operating instructions and Declaration of conformity (nl) 1 MB, 23.10.2018

Code: mrl_rk-nk_nl

Operating instructions and Declaration of conformity (de) 1 MB, 19.09.2018

Code: mrl_rk-nk_de

Operating instructions and Declaration of conformity (pt) 1 MB, 26.10.2018

Code: mrl_rk-nk_pt

Operating instructions and Declaration of conformity (en) 1 MB, 19.09.2018

Code: mrl_rk-nk_en

Operating instructions and Declaration of conformity (es) 1 MB, 25.10.2018

Code: mrl_rk-nk_es

Brochure (en) 764 kB, 23.11.2017

Code: b_nkrk01_en

Brochure (es) 957 kB, 11.11.2016

Code: b_nkrk01_es

Brochure (fr) 916 kB, 20.01.2017

Code: b_nkrk01_fr

Brochure (pt) 1 MB, 02.11.2016

Code: b_nkrk01_pt

Brochure (de) 773 kB, 23.11.2017

Code: b_nkrk01_de

Images

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 13.02.2019 - 12:57:22h Kasbase 3.3.0.F.64I