



## RK-T-42-2ST8-2

- Spring-return joystick switches
- Mounting hole 22.3 mm
- Mounting Knurled nut
- up to 6 mm front plate thickness
- for rough ambient conditions

## Data

### Ordering data

Product type description	RK-T-42-2ST8-2
Article number (order number)	103012428
EAN (European Article Number)	4030661489988
eCl@ss number, version 12.0	27-37-14-04
eCl@ss number, version 11.0	27-37-14-04
eCl@ss number, version 9.0	27-37-14-04
ETIM number, version 7.0	EC000632
ETIM number, version 6.0	EC000632

### General data

Standards	EN IEC 60947-5-1 EN IEC 60947-1
Installation conditions (mechanical)	arbitrarily
Material of the operators	Plastic
Material of the front ring	Plastic
Material of the bellows	Silicone

Material thickness of the sealing bellows	1.5 mm
Colour of the front ring	Black
Colour of the bellows	Grey
Gross weight	160 g

### General data - Features

Return to zero position	Yes
Sealing element, additional	Yes
External applications	Yes
Probing possible	Yes
Number of directions	4
Number of the touch position	4
Note (Touch positions)	Position A, B, C, D
Number of mechanical terminals	2

### Mechanical data

Mechanical life, minimum	1,000,000 Operations
Mechanical life, Touch position (for each position)	500,000 Operations
switching angle	20 °
Actuating force, approx.	11 N
Mounting	central nut SW41

### Mechanical data - Connection technique

Termination	Connector M12, 8-pole
-------------	-----------------------

### Mechanical data - Dimensions

Mounting depth	30 mm
Note (Mounting depth)	Plus connectors

Length of the actuator	85 mm
Diameter hole	22.3 mm
Diameter hole, central mounting	22.7 mm
Thickness, of the front panel, minimum	1.5 mm
Thickness of the front panel, maximum	6 mm
Diameter for the Installation to EN 60947-1	22.3 + 0.4 mm
Spacing	90 x 90 mm

### Ambient conditions

Degree of protection of the contact element	IP67
Degree of protection of the front panel	IP67 IP69
Ambient temperature, minimum	-40 °C
Ambient temperature, maximum	+80 °C
Resistance to shock	30 g / 11 ms

### Ambient conditions - Insulation values

Rated insulation voltage $U_i$	30 V
Rated impulse withstand voltage $U_{imp}$	0.5 kV
Degree of pollution	2

### Electrical data

Operating current	300 mA
Utilisation category DC-12	30 VDC
Utilisation category DC-12	0.3 A
Switching capacity, maximum	7.2 W
Switching principle	Reed contacts, Non-contact principle
Switching frequency	1,200 /h

## Pictures

## Product picture (catalogue individual photo)



ID: knkrkf01

| 377.3 kB | .jpg | 352.425 x 528.814 mm - 999 x 1499 px - 72 dpi

| 32.3 kB | .png | 73.731 x 110.772 mm - 209 x 314 px - 72 dpi

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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.

Generated on: 12/13/2022, 5:50 AM