



## TK 461-30Y

- 2 cable entries M 20 x 1.5
- Metal enclosure
- 118 mm x 155 mm x 64 mm ( basic component)
- Actuator heads can be repositioned by 4 x 90°

## Data

### Ordering data

eCl@ss number, Version 9.0	27-27-06-01
eCl@ss number, Version 11.0	27-27-06-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

### General data

Standards	EN 60947-5-1
Active principle	mechanical
Slide form	Castor
Enclosure material	Grey cast iron, galvanised
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Roller material	Plastic
Gross weight	1,990 g

## General data - Features

Number of shutters	3
--------------------	---

## Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
-----------------------------------	----------------------

## Mechanical data

Actuating element	Offset roller lever
Mechanical life, minimum	10,000,000 Operations
Actuating angle, from left of switch axis	45 °
Actuating angle, from right of switch axis	30 °
Contact opening	max. 2 x 6 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

Terminal Connector	Screw connection
Cable section, minimum	1.5 mm²
Cable section, maximum	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

Length of sensor	64 mm
Width of sensor	118 mm

Height of sensor	229 mm
Width of Castor	6.5 mm
Diameter of Castor	25 mm

### Ambient conditions

Degree of protection	IP65 to EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C

### Ambient conditions - Insulation value

Rated insulation voltage $U_i$	400 V
Rated impulse withstand voltage $U_{imp}$	6 kV

### Electrical data

Thermal test current	16 A
Utilisation category AC-15	400 VAC
Utilisation category AC-15	4 A
Switching element	Normally open contact (NO)
Note (Switching element)	with double break
Switching principle	Creep circuit element

### Notes

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

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: 11/9/2021, 9:16 AM