



## TK 461-03Y

- 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

Note (Delivery capacity)	Not available!
EAN (European Article Number)	4030661034553

### Approval - Standards

Certificates	DNV.GL EAC
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### 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 openers	3
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## Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
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## 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 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
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
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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	Opener (NC)
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.
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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.

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