



## MD 461-22Y

- **Metal enclosure**
- **2 cable entries M 20 x 1.5**
- **Lever can be transposed by 180°**
- **118 mm x 155 mm x 64 mm ( basic component)**
- **Continuous adjustment of lever position 360°**
- **Actuator head can be repositioned in steps 4 x 90°**
- **In temperature-resistant version, the roller can be mounted in two different positions on the shaft**

### Data

#### Ordering data

Product type description	MD 461-22Y
Article number (order number)	101059618
EAN (European Article Number)	4030661036885
eCl@ss number, Version 9.0	27-27-06-01

#### Certifications

Certificates	EAC DNV GL
--------------	---------------

#### General data

Product name	461 roller lever D
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	2285.000 g

## General data - Features

Number of openers	2
Number of shutters	2

## Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	5,000,000 Operations
Actuating angle, from left of switch axis	30 °
Actuating angle, from right of switch axis	30 °
Contact opening	max. 2 x 2.5 mm
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	3 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

Height of sensor	293 mm
Length of sensor	64 mm
Width of sensor	118 mm
Width of Castor	9 mm
Diameter of Castor	36 mm

## Ambient conditions

Protection class	IP 65 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C

## Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
---------------------------------	------

## Electrical data

Thermal test current	16 A
Utilisation category AC-15	230 VAC

Utilisation category AC-15	4 A
Switching element	NO contact / NC contact
Switching principle	Snap switch element
Bounce duration, maximum	5 ms
Switchover time, maximum	35 ms

## Pictures

### Product picture (catalogue individual photo)



ID: bt441f09

| 159,1 kB | .jpg | 147.108 x 257.881 mm - 417 x 731  
Pixel - 72 dpi

| 63,1 kB | .png | 74.083 x 129.822 mm - 210 x 368  
Pixel - 72 dpi

### Product picture (catalogue individual photo)

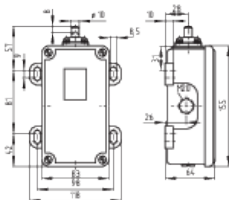


ID: kt461f01

| 76,0 kB | .png | 73.731 x 122.061 mm - 209 x 346  
Pixel - 72 dpi

| 1,1 MB | .jpg | 352.778 x 582.436 mm - 1000 x 1651  
Pixel - 72 dpi

### Dimensional drawing basic component



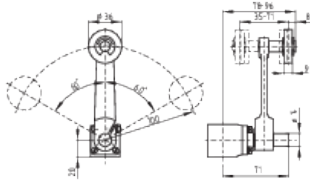
ID: 1t461g01

| 9,2 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel  
- 72 dpi

| 35,2 kB | .cdr |

| 110,5 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691  
Pixel - 72 dpi

### Dimensional drawing actuator



ID: 1t422b08

| 10,2 kB | .png | 74.083 x 51.153 mm - 210 x 145

Pixel - 72 dpi

| 121,4 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691

Pixel - 72 dpi

## Operating principle



ID: 235hz05

| 15,2 kB | .cdr |

| 180,5 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124

Pixel - 72 dpi

| 3,4 kB | .png | 74.083 x 157.339 mm - 210 x 446

Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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 11.09.2020 23:42:38