SCHMERSAL
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TL 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	
	TL 461-22Y
	101059433
EAN (European Article Number)	4030661254326
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	DNV.GL EAC
General data	
Product name	461 roller lever L
	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	2,405 g

General data - Features	
Number of openers	2
Number of shutters	2
Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	2,000,000 Operations
Mechanical data	
Actuating element	Roller lever
Mechanical life, minimum	10,000,000 Operations
Actuating angle, from left of switch axis	30 °
Actuating angle, from right of switch axis	30 °
Contact opening	max. 2 x 6 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
	1.5 mm²
	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	
Height of sensor	248 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	6 kV

Electrical data

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

Pictures

Photo/Product/Catalogue



ID: bt441f08

| 32,5 kB | .png | 74.083 x 70.203 mm - 210 x 199 Pixel - 72 dpi
| 119,1 kB | .jpg | 181.328 x 172.156 mm - 514 x 488 Pixel - 72 dpi

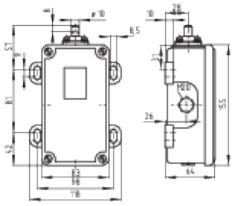
Photo/Product/Catalogue



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

Dimension/Product/Basic



ID: 1t461g01

| 110,5 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 Pixel - 72 dpi
| 9,2 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi
| 35,2 kB | .cdr |

Diagramm/Product/Travel

ID: kt441s06

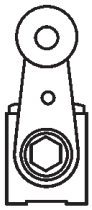


| 1,0 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel - 72 dpi
| 55,1 kB | .jpg | 352.778 x 159.456 mm - 1000 x 452 Pixel - 72 dpi

Illistration/Product/Function

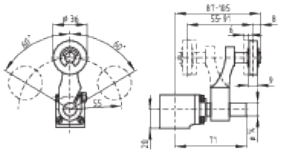


ID: 235hz05



| 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

Dimension/Product/Actuator



ID: 1t422b07

| 113,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi
| 9,8 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi

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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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