

TR 461-03Y

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

Data

Ordering data	
	TR 461-03Y
	101058828
EAN (European Article Number)	4030661033938
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	DNV.GL EAC
General data	
Product name	461 roller plunger _R
	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	1,960 g
General data - Features	
Number of openers	3

Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	2,000,000 Operations
Mechanical data	
Actuating element	Roller plunger
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	0.5 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	201 mm
Length of sensor	64 mm
Width of sensor	118 mm
Width of Castor	6.5 mm
Diameter of Castor	25 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	Opener (NC)
Note (Switching element)	with double break
Switching principle	Creep circuit element

Pictures

Photo/Product/Catalogue



ID: bt441f04

| 64,4 kB | .jpg | 140.406 x 140.406 mm - 398 x 398 Pixel - 72 dpi
| 25,4 kB | .png | 74.083 x 74.083 mm - 210 x 210 Pixel - 72 dpi

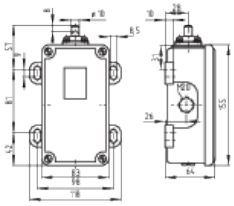
Photo/Product/Catalogue



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

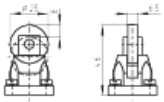
| 110,5 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 Pixel - 72 dpi
| 9,2 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi
| 35,2 kB | .cdr |

Diagramm/Product/Travel

ID: kt422s01

| 19,0 kB | .jpg | 352.778 x 88.547 mm - 1000 x 251 Pixel - 72 dpi
| 833,0 b | .png | 74.083 x 52.564 mm - 210 x 149 Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1t422b03

| 3,0 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi
| 55,3 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

Illistration/Product/Function



ID: 235rz01

| 149,7 kB | .jpg | 352.778 x 799.394 mm - 1000 x 2266 Pixel - 72 dpi
| 15,2 kB | .cdr |
| 2,9 kB | .png | 74.083 x 167.922 mm - 210 x 476 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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