



MR 461-22Y

- 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

	MR 461-22Y
	101058853
EAN (European Article Number)	4030661034027
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	1,955 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 plunger
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	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 mm ² 2.5 mm ²
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	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
Note (Switching element)	with double break
Switching principle	Snap switch element
Bounce duration, maximum	5 ms
Switchover time, maximum	35 ms

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

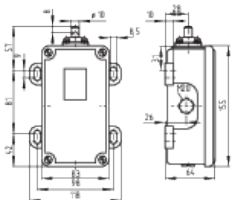


ID: kt461f01

| 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: kt441s07

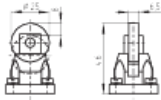


| 1,1 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel
- 72 dpi

| 51,7 kB | .jpg | 352.778 x 264.231 mm - 1000 x 749
Pixel - 72 dpi

Dimension/Product/Actuator

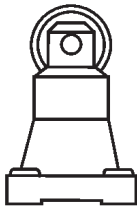
ID: 1t422b03



| 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

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 542021-01-31T15:52:54+01:000301Europe/BerlinSun, 31 Jan 2021 15:52:54

+010054pmSunday.31pm31Europe/BerlinCET5201Europe/BerlinJanuary2021Sun, 31 Jan 2021 15:52:54

+010001pm31