



M2S 461-22Y

- Metal enclosure
- With large after-travel
- 2 cable entries M 20 x 1.5
- 118 mm x 155 mm x 64 mm (basic component)
- Actuator head with captive stainless steel ball actuator

Data

Ordering data

M2S 461-22Y

101058605

EAN (European Article Number) 4030661032962

eCl@ss number, Version 9.0 27-27-06-01

Approval - Standards

EAC

General data

Product name	461 telescopic plunger 2S
	EN 60947-5-1
Active principle	mechanical
Slide form	Sphere
Enclosure material	Grey cast iron, galvanised
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	2,020 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	Plunger
Mechanical life, minimum	5,000,000 Operations
Actuating angle	20 °
Contact opening	max. 2 x 2.5 mm
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	1 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	217 mm
Length of sensor	64 mm
Width of sensor	118 mm
Diameter of the Plunger	10 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
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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

Notes

Note (General)	Actuation from the side of the plunger should be avoided, since this reduces the mechanical life of the position switch.
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Pictures

Photo/Product/Catalogue

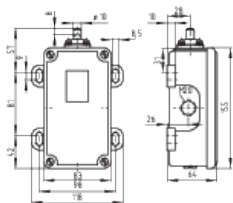


ID: bt441f03

| 27,3 kB | .png | 74.083 x 72.672 mm - 210 x 206
Pixel - 72 dpi

| 87,3 kB | .jpg | 149.225 x 146.05 mm - 423 x 414
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

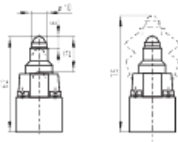


ID: kt441s08

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

| 50,5 kB | .jpg | 352.778 x 261.056 mm - 1000 x 740
Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1t422b02

| 59,9 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701
Pixel - 72 dpi
| 3,1 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel
- 72 dpi

Illustration/Product/Function



ID: 235sz01

| 14,1 kB | .cdr |
| 1,8 kB | .png | 74.083 x 251.883 mm - 210 x 714
Pixel - 72 dpi
| 95,3 kB | .jpg | 352.778 x 1199.444 mm - 1000 x
3400 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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