



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

Product type description	M2S 461-22Y
Article number (order number)	101058605
EAN (European Article Number)	4030661032962
eCl@ss number, Version 9.0	27-27-06-01

Certifications

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

General data

Product name	461 telescopic plunger 2S
Standards	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	2020.000 g

General data - Features

Number of openers	2
Number of shutters	2

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
Cable section, minimum	1.5 mm ²
Cable section, maximum	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
---------------------------------	------

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.

Pictures

Product picture (catalogue individual photo)



ID: bt441f03

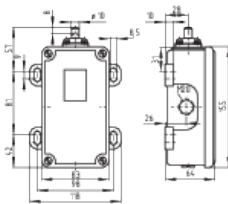
| 27,3 kB | .png | 74.083 x 72.672 mm - 210 x 206

Pixel - 72 dpi

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

Pixel - 72 dpi

Dimensional drawing basic component



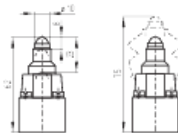
ID: 1t461g01

| 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: 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

Operating principle



ID: 235sz01

| 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



| 14,1 kB | .cdr |

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 21:33:07