

TS 422-01Y

- **1 Contact**
- **Metal enclosure**
- **Protection class IP65**
- **2 cable entries M 20 x 1.5**
- **106 mm x 71 mm x 63 mm (basic component)**

Data

Ordering data	
	TS 422-01Y
	101058334
EAN (European Article Number)	4030661032108
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	DNV.GL CCC EAC
General data	
Product name	422 plunger S
	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	970 g
General data - Features	
Number of openers	1

Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	2,000,000 Operations
Mechanical data	
Actuating element	Plunger
Mechanical life, minimum	10,000,000 Operations
Actuating angle	20 °
Contact opening	2 x 6 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 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	97 mm
Length of sensor	63 mm
Width of sensor	106 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
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

Notes

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

Ordering code

Product type description:

T(1) 422-(2)Y-(3)

(1)

S Plunger S
2S Telescopic plunger 2S
R Roller plunger R
K Offset roller lever K
J Offset roller lever J
2C Fork lever 2C
L Roller lever L
D Roller lever D

(2)

01 1 NC contact
10 1 NO contact

(3)

T temperature-resistant and tropical version with ceramic insulation for -40 °C ... +200 °C
1276-2 Gold-plated contacts

Pictures

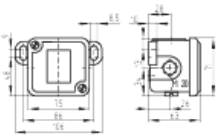
Photo/Product/Catalogue



ID: kt422f01

| 42,2 kB | .png | 74.083 x 74.789 mm - 210 x 212 Pixel - 72 dpi
| 539,5 kB | .jpg | 352.778 x 356.658 mm - 1000 x 1011 Pixel - 72 dpi

Dimension/Product/Basic



ID: 1t422g01

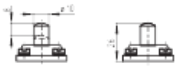
| 3,6 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi
| 29,4 kB | .cdr |
| 82,3 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi

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: 1t422b01

| 33,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 Pixel - 72 dpi
| 2,2 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel - 72 dpi

Illistration/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