



TK 461-30Y

- Metal enclosure
- 2 cable entries M 20 x 1.5
- 118 mm x 155 mm x 64 mm (basic component)
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	TK 461-30Y
	101059027
eCl@ss number, Version 9.0	27-27-06-01

General data

Product name	461 offset roller lever K
	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	1,990 g

General data - Features

Number of shutters	3
--------------------	---

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	2,000,000 Operations
-----------------------------------	----------------------

Mechanical data

Actuating element	Offset roller lever
-------------------	---------------------

Mechanical life, minimum	10,000,000 Operations
Actuating angle, from left of switch axis	45 °
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 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	229 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	Normally open contact (NO)
Note (Switching element)	with double break
Switching principle	Creep circuit element

Notes

Note (General)

Actuation from the right should be avoided, since this reduces the mechanical life of the position switch.

Pictures

Photo/Product/Catalogue



ID: bt441f05

| 27,4 kB | .png | 74.083 x 66.322 mm - 210 x 188

Pixel - 72 dpi

| 183,8 kB | .jpg | 212.725 x 190.5 mm - 603 x 540

Pixel - 72 dpi

Photo/Product/Catalogue



ID: kt461f01

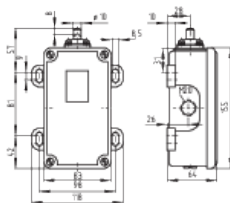
| 76,0 kB | .png | 73.731 x 122.061 mm - 209 x 346

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: kt422s10



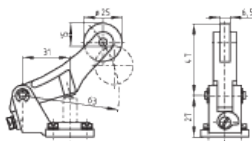
| 826,0 b | .png | 74.083 x 52.564 mm - 210 x 149

Pixel - 72 dpi

| 21,0 kB | .jpg | 352.778 x 88.547 mm - 1000 x 251

Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1t422b04

| 94,0 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

| 9,6 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel
- 72 dpi

Illustration/Product/Function



ID: 235rz03

| 131,9 kB | .jpg | 352.778 x 773.642 mm - 1000 x
2193 Pixel - 72 dpi

| 15,5 kB | .cdr |

| 2,7 kB | .png | 74.083 x 162.278 mm - 210 x 460
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 482021-01-31T15:53:48+01:000301Europe/BerlinSun, 31 Jan 2021 15:53:48

+010048pmSunday.31pm31Europe/BerlinCET5301Europe/BerlinJanuary2021Sun, 31 Jan 2021 15:53:48

+010001pm31