



TK 441-11Y

- 2 Contacts
- Metal enclosure
- Protection class IP65
- 2 cable entries M 20 x 1.5
- 106 mm x 99 mm x 63 mm (basic component)
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	TK 441-11Y
	101058908
EAN (European Article Number)	4030661034195
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

DNV.GL
CCC
EAC

General data

Product name	441 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	1,335 g

General data - Features

Number of openers	1
Number of shutters	1

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	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	173 mm
Length of sensor	63 mm
Width of sensor	106 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	NO contact, NC contact
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.
----------------	--

Ordering code

Product type description:

(1)(2) 441-11Y(3)-(4)-(5)

(1)

T Slow action (not available for AF/S)

M Snap action

(2)

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

MAF/S Level switch AF/S

(3)

UE Slow action with overlapping contacts

(4)

without Cast iron enclosure

A Aluminium enclosure

(5)

T temperature-resistant and tropical version with ceramic insulation for -40 °C ... +200 °C

1276-2 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: kt441f05

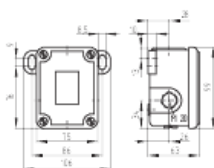
| 104,1 kB | .png | 74.083 x 129.822 mm - 210 x 368

Pixel - 72 dpi

| 782,9 kB | .jpg | 212.725 x 372.886 mm - 603 x 1057

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1t441g01

| 3,9 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel

- 72 dpi

| 29,6 kB | .cdr |

| 86,4 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701

Pixel - 72 dpi

Diagramm/Product/Travel



ID: kt441s04

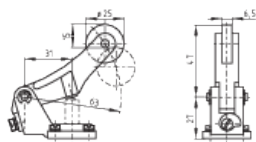
| 931,0 b | .png | 74.083 x 52.564 mm - 210 x 149

Pixel - 72 dpi

| 27,3 kB | .jpg | 352.778 x 170.039 mm - 1000 x 482

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 492021-01-31T15:46:49+01:000301Europe/BerlinSun, 31 Jan 2021 15:46:49

+010049pmSunday.31pm31Europe/BerlinCET4601Europe/BerlinJanuary2021Sun, 31 Jan 2021 15:46:49

+010001pm31