



TK 452-21Y

- Metal enclosure
- 2 cable entries M 20 x 1.5
- 118 mm x 127 mm x 64 mm (basic component)
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	TK 452-21Y
	101059010
EAN (European Article Number)	4030661034508
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

DNV.GL
CCC
EAC

General data

Product name	452 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	1,793 g

General data - Features

Number of openers	1
Number of shutters	2

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	201 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
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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.
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Pictures

Photo/Product/Catalogue



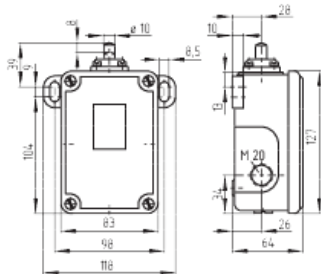
ID: bt441f05
27,4 kB .png 74.083 x 66.322 mm - 210 x 188 Pixel - 72 dpi
183,8 kB .jpg 212.725 x 190.5 mm - 603 x 540 Pixel - 72 dpi

Photo/Product/Catalogue



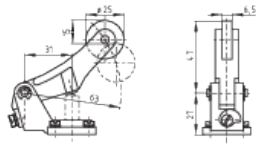
ID: kt452f01
56,2 kB .png 74.083 x 112.536 mm - 210 x 319 Pixel - 72 dpi
673,8 kB .jpg 352.778 x 536.575 mm - 1000 x 1521 Pixel - 72 dpi

Dimension/Product/Basic



ID: 1t452g01
176,9 kB .jpg 352.778 x 303.389 mm - 1000 x 860 Pixel - 72 dpi
5,8 kB .png 74.083 x 63.853 mm - 210 x 181 Pixel - 72 dpi
35,1 kB .cdr

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

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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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