



TJ 452-20Y

- 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

	TJ 452-20Y
	101059126
eCl@ss number, Version 9.0	27-27-06-01

General data

Product name	452 offset roller lever J
	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	1,916 g

General data - Features

Number of shutters	2
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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	207 mm
Length of sensor	64 mm
Width of sensor	118 mm
Width of Castor	9 mm
Diameter of Castor	36 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	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.
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Pictures

Photo/Product/Catalogue



ID: bt441f06

| 30,3 kB | .png | 74.083 x 71.967 mm - 210 x 204
Pixel - 72 dpi
| 228,4 kB | .jpg | 228.6 x 221.897 mm - 648 x 629
Pixel - 72 dpi

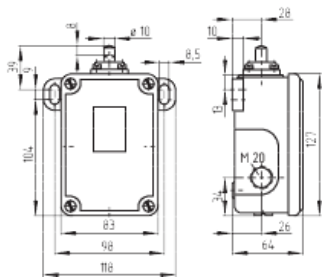
Photo/Product/Catalogue



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

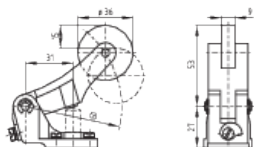
Dimension/Product/Basic



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: 1t422b05

| 100,7 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701
Pixel - 72 dpi
| 10,4 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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