

TJ 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	
	TJ 452-21Y
	101059132
EAN (European Article Number)	4030661034898
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	DNV.GL CCC EAC
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	2,000 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 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	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
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.

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

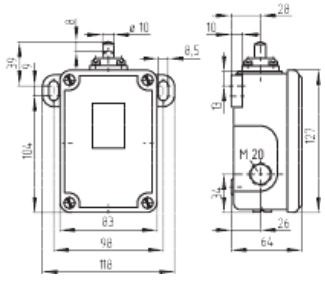
Photo/Product/Catalogue



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

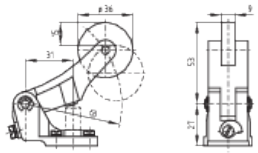
Dimension/Product/Basic



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

Illistration/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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