



TD 452-02Y

- **Metal enclosure**
- **2 cable entries M 20 x 1.5**
- **Lever can be transposed by 180°**
- **118 mm x 127 mm x 64 mm (basic component)**
- **Continuous adjustment of lever position 360°**
- **Actuator head can be repositioned in steps 4 x 90°**
- **In temperature-resistant version, the roller can be mounted in two different positions on the shaft**

Data

Ordering data

	TD 452-02Y
	101059573
EAN (European Article Number)	4030661036700
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

DNV.GL
CCC
EAC

General data

Product name	452 roller lever D
	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	2,035 g

General data - Features

Number of openers 2

Mechanical data

Actuating element Roller lever
Mechanical life, minimum 10,000,000 Operations
Actuating angle, from left of switch axis 30 °
Actuating angle, from right of switch axis 30 °
Contact opening 2 x 6 mm
Actuating speed, minimum 1 mm/min
Actuating speed, maximum 3 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 265 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
Note (Switching element)
Switching principle

Opener (NC)
with double break
Creep circuit element

Pictures

Photo/Product/Catalogue



ID: bt441f09

| 63,1 kB | .png | 74.083 x 129.822 mm - 210 x 368
Pixel - 72 dpi

| 159,1 kB | .jpg | 147.108 x 257.881 mm - 417 x 731
Pixel - 72 dpi

Photo/Product/Catalogue

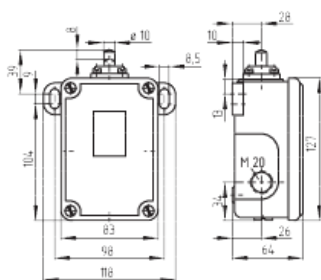


ID: kt452f01

| 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



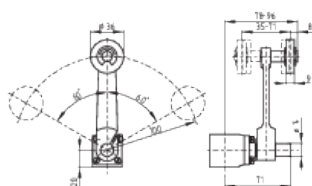
ID: 1t452g01

| 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: 1t422b08

| 121,4 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

| 10,2 kB | .png | 74.083 x 51.153 mm - 210 x 145
Pixel - 72 dpi

Illustration/Product/Function



ID: 235hz05

| 15,2 kB | .cdr |

| 180,5 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124

Pixel - 72 dpi

| 3,4 kB | .png | 74.083 x 157.339 mm - 210 x 446

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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