

TL 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

	TL 452-02Y
	101059396
EAN (European Article Number)	4030661035932
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

DNV.GL
CCC
EAC

General data

Product name	452 roller lever L
	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	1,970 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 220 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: bt441f08

| 32,5 kB | .png | 74.083 x 70.203 mm - 210 x 199
Pixel - 72 dpi
| 119,1 kB | .jpg | 181.328 x 172.156 mm - 514 x 488
Pixel - 72 dpi

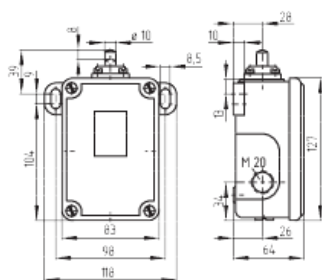
Photo/Product/Catalogue



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 |

Illustration/Product/Function



ID: 235hz05

| 15,2 kB | .cdr |

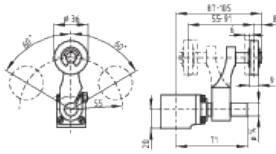
| 180,5 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124

Pixel - 72 dpi

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

Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1t422b07

| 113,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 9,8 kB | .png | 74.083 x 51.506 mm - 210 x 146 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.

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