

TL 452-20Y



- **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 452-20Y
	101059390
EAN (European Article Number)	4030661035901
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	1,990 g

General data - Features

Number of shutters	2
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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 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	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
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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

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

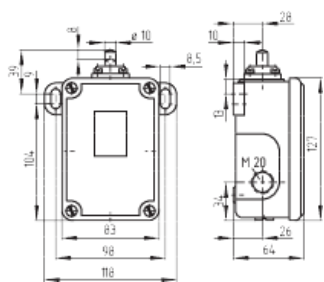


ID: kt452f01

| 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 |

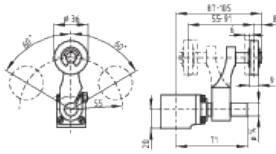
| 180,5 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124

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

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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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