



TD 452-12Y

- **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 452-12Y
	101059593
EAN (European Article Number)	4030661036779
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
Number of shutters	1

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	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
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Electrical data

Thermal test current	16 A
Utilisation category AC-15	400 VAC

Utilisation category AC-15

Switching element

Note (Switching element)

Switching principle

4 A

NO contact, NC contact

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

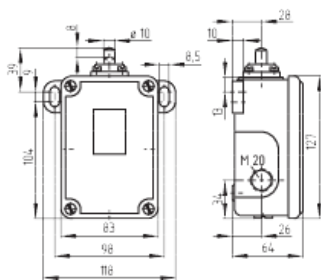
| 56,2 kB | .png | 74.083 x 112.536 mm - 210 x 319

Pixel - 72 dpi

| 673,8 kB | .jpg | 352.778 x 536.575 mm - 1000 x

1521 Pixel - 72 dpi

Dimension/Product/Basic



ID: 1t452g01

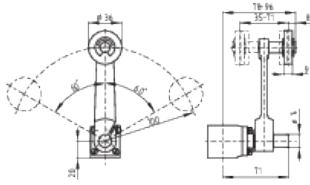
| 176,9 kB | .jpg | 352.778 x 303.389 mm - 1000 x 860

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

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.

Generated on 302021-01-31T16:01:30+01:000401Europe/BerlinSun, 31 Jan 2021 16:01:30

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