

### T SWITCH RANGE

For the T range of switches great store was set by the optical appearance and an appealing design. Intuitive use and a long service life are two of the main features of this range of switches. There is a selection of pushbuttons, momentary rocker switches, momentary toggle switches as well as latched rocker switches with concave actuators. The technical characteristics with regard to safety, operating temperature and service life are the most important factors for the application.

By selecting between different contact materials, the switching elements can be adapted to the switching currents and voltages.

Besides being used in a number of Frei's own system components, the T range of switches is predestined for the realisation of customer-specific applications such as control units.

- Pushbuttons, rocker switches, toggle switches, latched rocker switches
- Excellent haptic properties
- Various colours available
- Abrasion-resistant laser inscription
- In some cases different contact materials are available
- Operating temperature: -40°C to +85°C
- Protection class: IP 67 (front)



## Controls and displays

#### **Symbols**

Contact

Contact material

to DIN 40050

Min. load/service life

Max. load/service life

Operating temperature

Protection class according

- Frei standard symbols are available for the function elements
- On request, customer-specific symbols can be used

Microswitch N/O contact

Gold alloy on silver palladium

2 V/200 µA / 3 million cycles

IP 67 (excluding connectors)

30 V/1A/50,000 cycles

-40°C to +85°C

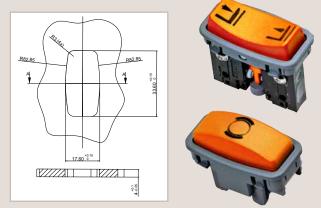
(2/4-pos.)

• The symbols are provided in .dxf format

Technical data AUX contact material Standard for pushbuttons/rocker switches

• The symbols are laser etched and therefore abrasion resistant

#### Mounting hole [mm]



#### **Dimensions** [mm]

35.3

20.

175.0 ± 10.0

# 

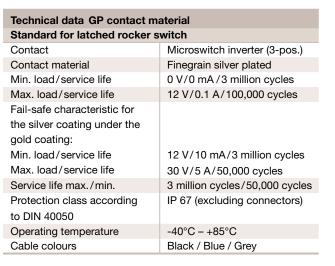
26.4 32.4

80.0

0

19.3

35.3



## Technical data AG contact material Standard for horn Contact Microswitch N/O contact (0, nex.)

(2-pos.)
Finegrain silver
12 V/10 mA/3 million cycles
30 V/5 A/50,000 cycles
IP 67 (excluding connectors)
-40°C to +85°C
Red / Yellow

Technical data Standard connector	
Molex Mini-Fit Jr. <sup>TM</sup>	
Pushbutton	5557-NRX 2-pos.
Rocker switch	5557-NRX 4-pos. (2-row)
Latched rocker switch	5557-NRX 3-pos.

 Order data

 Part No.
 Designation

 3203-00090-XX
 Pushbutton

 3203-00092-XX
 Rocker switch

 3203-00134-XX
 Latched rocker

X Colour X Symbol

Different types with different symbols and colours are available on request

Different types of contact materials available: AUX, AG, GP

Special contacts on request