

### Overview



TM150 Terminal Module

The TM150 Terminal Module is a DRIVE-CLiQ component for temperature evaluation. The temperature is measured in a temperature range from  $-99\text{ °C}$  to  $+250\text{ °C}$  ( $-146\text{ °F}$  to  $+250\text{ °F}$ ) for the following temperature sensors:

- Pt100 (with monitoring for open-circuit and short-circuit)
- Pt1000 (with monitoring for wire breakage and short-circuit, can be used from firmware V4.7 HF17)
- KTY84 (with monitoring for open-circuit and short-circuit)
- PTC (with short-circuit monitoring)
- Bimetallic NC contact (without monitoring)

For the temperature sensor inputs, for each terminal block the evaluation can be parameterized for 1×2-wire, 2×2-wire, 3-wire or 4-wire. There is no galvanic isolation in the TM150 Terminal Module.

The temperature channels of a TM150 can be subdivided into 3 groups and evaluated together.

### Design

The following are located on the TM150 Terminal Module:

- 6 ... 12 temperature sensor inputs
- 2 DRIVE-CLiQ sockets
- 1 connection for the electronics power supply via the 24 V DC supply connector
- 1 PE/protective conductor connection

The status of the TM150 Terminal Module is indicated via a multi-color LED.

The TM150 Terminal Module can be snapped onto a TH 35 standard mounting rail in accordance with EN 60715 (IEC 60715).

### Selection and ordering data

Description	Article No.
<b>TM150 Terminal Module</b> Without DRIVE-CLiQ cable	<b>6SL3055-0AA00-3LA0</b>
<i>Accessories for re-ordering</i>	
<b>Dust protection blanking plugs</b> (50 units) For DRIVE-CLiQ port	<b>6SL3066-4CA00-0AA0</b>

### Technical specifications

	TM150 Terminal Module 6SL3055-0AA00-3LA0
<b>Current requirement, max.</b> at 24 V DC	0.5 A
• Conductor cross section, max.	2.5 mm <sup>2</sup>
• Fuse protection, max.	20 A
<b>Temperature sensor inputs</b> The inputs can be parameterized individually for the evaluation of sensors	
• Conductor cross section, max.	1.5 mm <sup>2</sup>
• Measuring current per sensor, approx.	0.8 mA
<b>Power loss</b>	1.6 W
<b>PE connection</b>	M4 screw
<b>Dimensions</b>	
• Width	30 mm (1.18 in)
• Height	150 mm (5.91 in)
• Depth	111 mm (4.37 in)
<b>Weight, approx.</b>	0.41 kg (0.90 lb)