

# Display unit Type 8540

for potential monitoring unit type 8538

8540



## Description

The type 8540 display unit is used as an addition to the type 8538 potential monitoring unit.

The current potential difference applied to the measuring inputs terminals 12 and 14 are shown with the aid of the display unit.

In addition, the limiting value of the type 8538 potential monitoring unit can be programmed via the type 8540 display unit.

A wire jumper or a switch must be used to make a connection between terminals 3 and 5.

In addition, a power source whose short-circuit current is <1 mA and whose output voltage is not reduced to 0 V under load but which follows the load is required. The type 8201 test unit for power fuses is a power source of this type.

The type 8201 test unit (or a comparable power source) is contacted at the two sockets on the front panel of the type type 8540 display unit. The desired limiting value is then set at the potentiometer next to the display with a screwdriver to adjust trimming potentiometers.

Once the limiting value has been set, press the "PROG" button at the type 8538 potential monitoring unit for >3s while continuing to apply the voltage. When the "PROG" button is released, the yellow LED next to the button must flash.

The voltage must be applied to the sockets during the entire programming procedure.

The programming is finished when the yellow LED stops flashing.

Open the bridge / switch again.



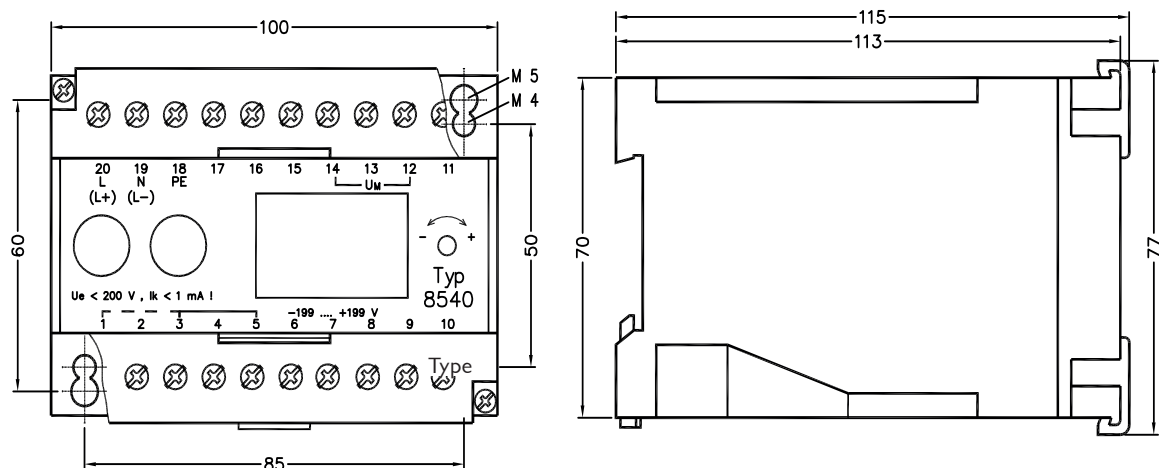
## Technical data

|                            |  |
|----------------------------|--|
| <b>Dimensions</b>          | WxHxD 100/70/115 mm  |
| <b>Housing</b>             | ABS / polycarbonate  |
| <b>Attachment</b>          | 2 holes to be drilled as per the drilling template, top hat rail in accordance with DIN EN 50022 |
| <b>Type of protection</b>  | Housing: IP 40; terminals IP: 10   |
| <b>Ambient temperature</b> | -20°C to +60°C   |
| <b>Connections</b>         | 2 X 2.5 mm <sup>2</sup> solid as per DIN 46288 or 2 x 1.5 mm <sup>2</sup> with sleeve            |
| <b>Measuring input</b>     | AC/DC <200 V, terminal 12, terminal 14   |
| <b>Auxiliary power</b>     | 230 V AC / 24 V DC, terminal 20 (L,+), terminal 19 (N,-) power required: max. 3 VA/W             |
| <b>Displays</b>            | digital LCD display, 3 1/2-place   |
| <b>Test voltage</b>        | 4 kV eff. between terminals 18/19/20 and terminals 12/14   |

## Ordering information

| Type  | Part No. |
|---|----------|
| Display unit<br>Auxiliary power AC<br>230 V<br>8540     | 220150   |
| Display unit<br>Auxiliary power<br>DC 18 - 80 V<br>8540 | 220151   |

Special versions, complete units, protective housings with additional terminals, etc., to special order



Type 8540

