



The module is used for interconnection of cold ends of compensating or thermocouple lines with copper conductors leading to the input circuits of the evaluation devices. The module contains the printed circuit board with the terminal block X1 for connection of compensating or thermocouple line and the terminal block X2 for connection of output cables.

The temperature sensor of PT100 type is interconnected in a thermal way with terminal block X1 and it is led out of the cabinet with four-wire connection by its cable. The module construction is designed in order to be as minimal as possible temperature difference between single terminal blocks X1 and the temperature sensor PT100 type by ambient temperature influence. The printed circuit board is placed into the metal box with the box cover, with thermal insulation and with the cable-glands. At mounting the printed circuit board can be rotated according to side for output cables leading. In the cable-glands there are metal spring collets that guarantee good connection of the cable shielding. Unused cable-glands always must be sealed in a thermal way.

Number of connected thermocouples	: max 18
Input terminal block X1	: WAGO 731-142, conductor 0,08 ÷ 2,5 mm ²
Output terminal bloc X2	: WAGO 234-248, conductor 0,08 ÷ 0,5 mm ²
Type of temperature sensor	: PT100
Current-carrying capacity of one printed circuit	: max 100 mA
Number of cable-glands for connecting of thermocouples	: size PG9 – 18 pieces
Number of cable-glands for connecting of output cables	: size PG11 – 4 pieces
Number of cable-glands for connecting of temperature sensor	: size PG7 – 2 pieces
Insulation strength of printed circuits with one another	: 500 V _{RMS} , 50 Hz, 1 min
Insulation strength between printed circuits and the box	: 1000 V _{RMS} , 50 Hz, 1 min
Cover class	: IP54
Weight	: 1,5 kg
Dimensions L x B x H	: 260 x 160 x 90 mm

