

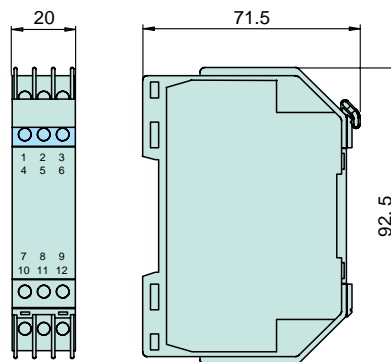
E-CJC Cold junction compensator

The E-CJC module is used to provide cold junction compensation for temperature measurements with thermocouples and evaluation in the ED2-UT-Ex2 transmitter isolator. A temperature sensor is integrated in the module. The transmitter isolator requires information from the temperature sensor in order to make an exact calculation of the the temperature at the measuring station, since the temperatures in the mounting rack can differ from those in the surroundings.

To minimise the error due to the resistance of the wiring, the compensation module is positioned as close as possible to the ED2-UT-Ex2, but not in an area where there are strong temperature fluctuations.

If the cold junction compensator is part of an intrinsically safe circuit, it is regarded as 'simple apparatus'.

Dimensions



Technical Data

Housing material
Mounting

Protection class
Weight
Temperature error
Ambient temperature

Makrolon

By snapping onto a 35 mm standard rail to DIN 46277 or by fixing with M4 screws through the lugs. Distance between holes: 90 mm.

IP20

approx. 75 g

0.26°C/1 Ohm lead resistance

- 20 ... 60 °C (253 ... 333 K)