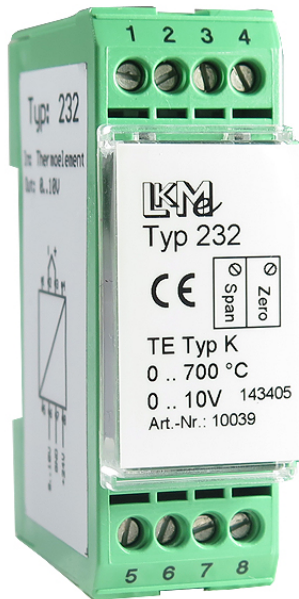


Components and accessories

Transmitter

Transmitter LKM 232



Din-Rail Transmitter LKM 232

Thermocouples, rail mounting, 0..10V, 24V supply voltage

The LKMe Type 232 is an analog measuring transducer for base metal thermocouples in accordance with DIN EN 60584 and DIN 43510. It converts the temperature-dependent thermocouple voltage into an output signal of 0..10V that is linear with voltage.

The LKMe Type 424 measuring transducer is designed for installation on a mounting rail. The measuring transducer is delivered with a calibration to customer requirements. A null point potentiometer and a range potentiometer enable fine adjustments to be performed on site.

Protection classification

IP 20 according DIN 60529

Input

thermocouple K, J(L), T(U), N, E;
S B with higher fault

Output

0 ... 10V

Range

> 200 °C*

Zero point

-200 °C ... +600 °C*

Sensor fracture

>10V

Shorted Sensor

ambient temperature

Permissible ripple

< 10 %

Components and accessories

Transmitter

Transmitter LKM 232

Reaction time

< 0.1s

Vibration

5g/10-200Hz

Insulation voltage

1 kV

Linearity error

<0.1% FS*

Error of compensation

<± 0.5°C

TCR

<100ppm/°C

Operating temperature range

-25°C ... +85°C

Terminal type

screw terminal

Clamping range

0.2...2.5mm²

Humidity

< 95%

EMC emission

EN 61000-6-3:2001

EMC interference rejection ratio

EN 61000-6-3:2001

Mounting

35mm DIN rail

Current consumption

max. 40 mA

Supply voltage

24VDC ± 10%

Components and accessories

Transmitter

Transmitter LKM 232

Case

EMG25-LG

Case material

Polycarbonat

Case dimension (HxWxD)

75 x 25 x 53 mm

Weight

approx. 60g

*depend upon thermocouple