

Components and accessories

Transmitter

Transmitter LKM 211



Din-Rail Transmitter LKM 211

Thermocouples, rail mounting, 4..20mA, 24V supply voltage

The LKM 211 is an analogue transducer for base thermocouples acc. DIN EN 60584 and DIN 43713.

The temperature-sensitive thermo voltage will be transformed voltage-linearly into an analogue current output of 4..20mA. The transducer LKM 211 can be mounted on customary rail systems. The transducer has been tuned ex works according to the customized requires. Further fine-tuning can be arranged by span and zero controller.

Protection classification

IP 20 according DIN 60529

Input

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

Output

4...20mA current loop

Range

> 200 °C*

Zero point

-200 °C ... +600 °C*

Loop voltage

10...35VDC, reverse protection

Sensor fracture

>20 mA

Shorted Sensor

room ambient temperature

Permissible ripple

< 10 %

Reaction time

< 0.1s

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Vibration

5g/10-200Hz

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

Case

EMG25-LG

Case material

Polycarbonat

Case dimension (HxWxD)

75 x 25 x 53 mm

Weight

approx. 60g

*dependent upon thermocouple