Components and accessories

Transmitter

Transmitter LKM 214



Din-Rail Transmitter LKM 214
Pt100/Pt1000, Rail mounting, 0..10V, 24V supply voltage

The LKM 214 is an analogue transducer for Pt 100/Pt1000-temperature sensors according DIN EN 60751. The temperature-sensitive resistance will be transformed into a voltage output of 0..10V. The transducer LKM 214 can be mounted on customary rail systems.
The LKM 214 has been tuned ex works according to the customized requires. Further fine-tuning can be arranged by span and zero controller.

Input
Pt100/Pt1000, 2-/3-/4 wire circuit
Output
0 ... 10V
Range
> 20 °C*
Zero point
-200 °C ... +600 °C*
Test current
0.8 ... 1mA*
Sensor fracture
>10V
Shorted Sensor
0V
Permissible ripple
< 10 %
Reaction time
< 0.1s
Vibration
5g/10-200Hz

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Linearity error	
	<0.1% FS
TCR	
	<100ppm/℃
Operating temperature range	
	-25℃ ... +85℃
Terminal type	
	screw terminal
Clamping range	
	0.2...2.5mm^2
Humidity	
	< 95%
EMC emission	
	EN 61000-6-3:2001
EMC interference rejection ratio	
	EN 61000-6-3:2001
Mounting	
	35mm DIN rail
Current consumtion	
	max. 20mA
Supply voltage	
	15...35V DC reverse protection
Case	
	EMG25-LG
Case material	
	Polycarbonat
Case dimension (HxWxD)	
	75 x 25 x 53 mm
Weight	
	approx. 60g

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* dependent upon sensor resistance

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