

## Transducer LKM 214, Pt100, rail assembly, 0..10V

### Functional Description

The LKM 214 device is an analogue transducer for Pt 100-temperature sensors according to DIN EN 60751. The temperature-sensitive resistance is 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 customer requirements. Further fine-tuning can be arranged by span and zero controller.



### Technical Data

Input:	Pt100, 2/3/4-wire circuit
Measuring current:	0.8..1mA*
Zero:	-200..830°C
Span:	> 20°C
Linearity error:	< 0.1%
Supply voltage:	15..35V DC, polarity - safe
Output:	0 .. 10V
Probe break:	>10V
Short circuit:	0V
Reaction time:	<0.1s
TC:	<100ppm/°C
Operating temp. range:	-40..85°C
Storage temp. range:	-40..120°C
Humidity:	<95%
Type of terminal:	screw terminals
Clamping range:	0.2..2.5mm <sup>2</sup>
Housing:	polycarbonate 75x25x53mm
Weight:	appr. 60g
Vibration:	5g/10..200Hz
Warranty:	2 years

EMC  
 Emission and Noise immunity: EN 61326-1:2006  
 EN 61326-2-3:2006

\* depending on sensor resistance

### Schematic Diagram

