

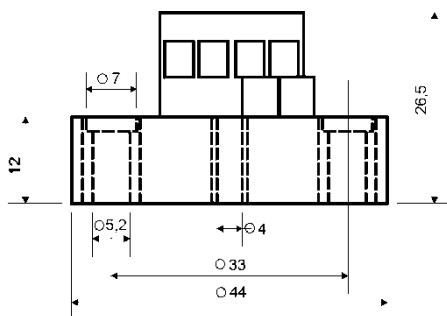
LKM101 FOR THERMOCOUPLES

The LKM 101 is an analogue transducer for thermocouples acc. DIN EN 60584 or DIN 43713. The temperature-sensitive voltage will be transformed voltage-linearly into a current output of 4...20mA. The transducer LKM 101 is to be mounted inside the protection head type B. The working range of the instrument needs a span of at least 200K. The transducer LKM 101 is tuned within a customized span ex works. Further fine-tuning can be arranged by adjusting zero and span.



TECHNICAL DATA

Input:	Thermocouples type K, J, L, T, U, E,	N, S, B with higher error
Zero:	>-270°C	dependent upon thermocouple
Span:	>200 K	dependent upon thermocouple
Linearity error:	<1% FS	dependent upon thermocouple
Loop voltage:	10..35VDC,	polarity - safe
Output:	4...20mA,	current loop
Probe break:	>20mA	
Short circuit:	current value for ambient temperature	
Reaction time:	<0.1s	
Temp. coefficient:	<100ppm/°C	
Operating temp. range:	-40..85°C	
Humidity:	<95% rel. humidity	
Mounting:	B-head	
Dimensions:	Ø 44 x 26.5 mm	
Sealing compound:	polyurethane, black	
Type of terminals:	screw connectors	
Clamping range:	0.13..1.5mm ²	
Weight:	approx. 32g	
Vibration:	5g/10..200Hz	
EMC:	EN 61326-1:2006 EN 61326-2-3:2006	Emission and Noise immunity



Load resistance

