MBB Bearing shoe thermocouple sensor with spring

Application

A range of high accuracy miniature embedded (also known as embedment) thermocouple sensors designed for surface temperature measurements in general industrial applications such as in bearing shoe applications to give a reliable indication of bearing wear and oil film breakdown through continuous monitoring of temperature. These tip sensitive thermocouples have an operating temperature range of -25°C to +250°C and can be supplied with a pressure tested oil seal barrier to prevent leakage. Standard assemblies are easy to install in drilled holes for general temperature sensing applications, whereas the spring loaded 'top hat' style assemblies are inserted into a milled hole with a retaining clip pushed down to compress the spring and retain the sensor against the surface being monitored.

Sensor

Mounting	Bearing thermocouple with spring and retaining clip
Thermocouple type	K, T, J, N or E
For duplex	KK, TT, JJ, NN or EE
Accuracy	According to IEC 60584
Operating range	-25°C up to +250°C
Material	Stainless steel
Diameter	6.0 or 6.4mm
Simplex sensor body length	6.0mm Standard, or contact us to specify
Duplex sensor body length	12mm Standard, or contact us to specify

Compression spring

Diameter	6.0mm
Compressed length	Approx. 6.0mm
Material	Stainless steel

Cable

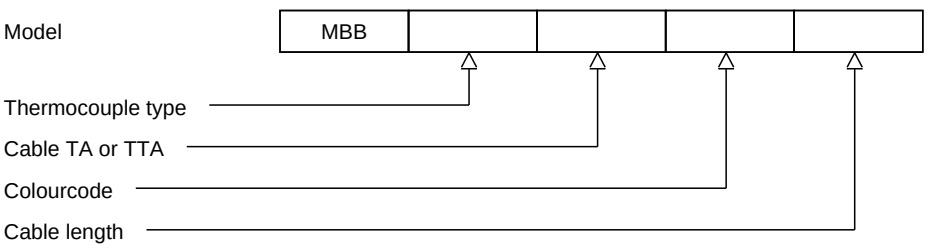
Twisted wires with external armour	PFA insulated twisted wires with stainless steel braiding (TA)
Cable with external armour	PFA cable jacket with external Stainless steel braiding (TTA)
Length	1000mm standard, other lengths possible
Colourcode	IEC

Options

Explosion proof versions	ATEX / IECEx versions available, please consult us
Oil seal part	Standard 60 x 4.75mm
Other dimensions	Please consult us

Ordering code

*This datasheet is purely indicative, build-up of model code may vary from this datasheet.



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