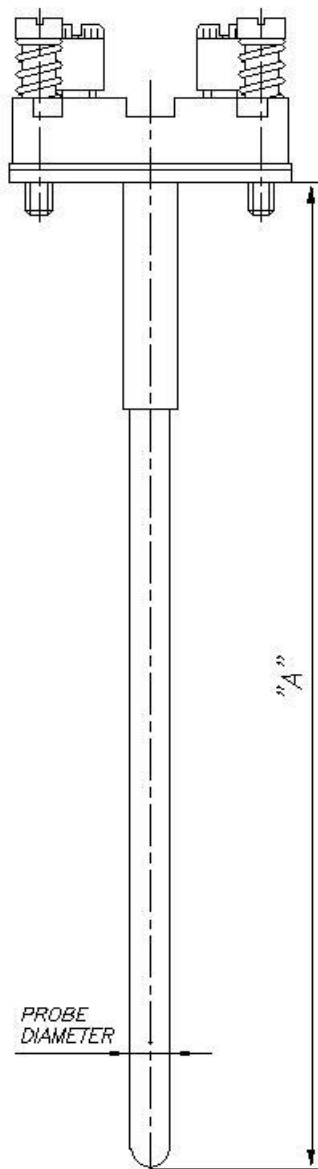


MI-CABLE TC/PT100 INSERTS

Sensors for ATEX approved Ex db assemblies



Specifications:

Probe type	Mineral insulated cable
Outside diameter	4,8 mm (3/16") or 6,0mm
Insulation material	densely packed MgO
Termination	ceramic DIN terminal block with clamp type terminals
Max. spring loading	50 mm
Probe length 'A'	to be specified

THERMOCOUPLE

Type	iron-constantan, type J chromel-alumel, type K copper-constantan, type T nicrosil-nisil type N
Accuracy	ASTM E230/ANSI MC96.1: Std limits of error IEC 60584: Class 2
Min. insulation resistance	1000MΩ at ambient temp. with 500V DC
Sheath material	SS 316 for type J and T (Wstnr.1.4401); Inconel 600 for type K,N (Wstnr.2.4816)
Hot junction	insulated or individually insulated for duplex
Probe diameter	4,8 mm or 6,0mm, please specify

RESISTANCE THERMOMETER

Element type	Pt100, single or duplex
Resistance values and tolerances	IEC 60751 class B
Max. voltage / current	5 Vdc / 10 mA
Min. insulation resistance	100 MΩ at ambient temp. with 100 V DC
Wiring system	3 wires from element
Probe diameter	6,0 mm

These items fit standard Ex db temperature sensors series XPS-30.000 see page A103

Ordering code:

Probe type	Single		Colour code TC	Duplex		Colour code TC
		'A'	IEC/ASTM		'A'	IEC/ASTM
J 4,8 mm	TEE-60482-	J -□ mm-		TEE-62484-	J -□ mm-	
K 4,8 mm	TEE-60482-	K -□ mm-		TEE-62484-	K -□ mm-	
T 4,8 mm	TEE-60482-	T -□ mm-		TEE-62484-	T -□ mm-	
N 4,8 mm	TEE-60482-	N -□ mm-		TEE-62484-	N -□ mm-	
Pt 100 6,0 mm	RTD-60603-	Pt100 -□ mm-		RTD-62606-	Pt100 -□ mm-	

□ = probe length 'A' in mm (to be specified)