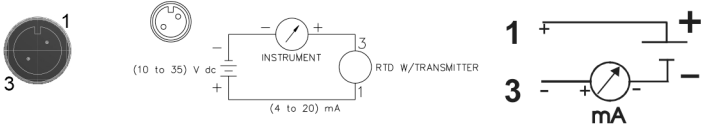


Electrical Connection

Electrical connection	 Electrical connection of the compact thermometer (view from above) - M12 plug, 4-pin Pin 1: Power supply (10 to 35) V dc; Current output (4 to 20) mA Pin 2: PC configuration cable connection Pin 3: Power supply 0 V dc; current output (4 to 20) mA Pin 4: PC configuration cable connection
Power supply	$U_b = (10 \text{ to } 35) \text{ V dc}$, polarity protected
Allowable ripple	$U_{ss} \leq 3 \text{ V}$ at $U_b \geq 13 \text{ V}$, $f_{\max} = 1 \text{ kHz}$

Environmental Conditions

Ambient Temperature	$(-40 \text{ to } 85) ^\circ\text{C}$ $[-40 \text{ to } 185] ^\circ\text{F}$
Storage Temperature	$(-40 \text{ to } 85) ^\circ\text{C}$ $[-40 \text{ to } 185] ^\circ\text{F}$
Climatic Class	EN 60 654-1, class C
Condensation	Permitted
Ingress protection	IP 67
Shock resistance	4g / (2 to 150) Hz as per IEC 60 068-2-6
EMC immunity	Interference immunity and interference emission as per EN 61 326-1 (IEC 1326)

Process

	MAXIMUM AMBIENT	MAXIMUM PROCESS
Process temperature limit	to $25 ^\circ\text{C}$ [$77 ^\circ\text{F}$] to $40 ^\circ\text{C}$ [$104 ^\circ\text{F}$] to $60 ^\circ\text{C}$ [$140 ^\circ\text{F}$] to $85 ^\circ\text{C}$ [$185 ^\circ\text{F}$]	$160 ^\circ\text{C}$ [$320 ^\circ\text{F}$] $135 ^\circ\text{C}$ [$275 ^\circ\text{F}$] $120 ^\circ\text{C}$ [$248 ^\circ\text{F}$] $100 ^\circ\text{C}$ [$212 ^\circ\text{F}$]

Approvals

	UL Recognized Component
	3-A Sanitary Council Standard 74- (CIP sensors only)