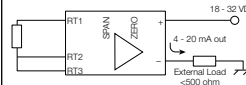


Analog Signal Conditioners

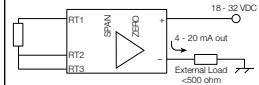
picoPak F/V
Frequency Input / 1...20 kHz
Terminal Block



DK5 / RTD-I
RTD 2- or 3-wire
-100°C...+200°C
Terminal Block



DK5 / RTD-I
RTD 2- or 3-wire
-40°C...+100°C
Terminal Block



Ordering Data	Type	Part No.	Type	Part No.	Type	Part No.
Screw clamp for TS 35 rail						
Screw clamp for TS 32 rail						
Screw clamp for combi-foot, TS 35 or TS 32 rail	picoPak F/V	998431	DK5 / RTD-I	990838	DK5 / RTD-I	990837
Tension clamp for TS 35 rail						
Technical Data						
Input signal type	Frequency		PT100 RTD 2- or 3-wire		PT100 RTD 2- or 3-wire	
Material or excitation						
Input range (min...max.)	1...20 kHz*		-100°C...+200°C		-40°C...+100°C	
Input impedance	$\geq 100 \Omega$					
Line resistance						
Input maximum			25 mA DC		25 mA DC	
Supply voltage (min./max.)	15...30 VDC					
Supply current (min./max.)	25...30 mA					
Current/power consumption						
Power requirements	External		External		External	
Continuous current rating						
Response or switching freq. max.						
Supply current to PT 100 sensor			<3 mA		<3 mA	
Zero setting (4.0 mA) adjustment			$\pm 5\%$		$\pm 5\%$	
Span adjustment (20 mA)			$\pm 5\%$		$\pm 5\%$	
Output signal type	Voltage		Current		Current	
Output range	0...10 V*		4...20 mA		4...20 mA	
Output load/loop resistance	2 k Ω min., 4 k Ω min.		$\leq 500 \Omega$		$\leq 500 \Omega$	
Output supply voltage (min./max.)			18...32 VDC		18...32 VDC	
Output supply current (max.)			25 mA		25 mA	
Cold junction comp error						
Common mode rejection						
Accuracy input/output	0.05% of full scale nominal, 0.2% max. for voltage output		$\pm 0.5\%$ at 25°C		$\pm 0.5\%$ at 25°C	
Linearity input/output						
Temperature coefficient						
Transmission frequency	10 Hz					
Coupling method	Optically Isolated		Direct		Direct	
Cross-connections on pin						
Operating Specifications						
Dielectric isolation input to output	1500 VAC RMS, 2 port					
Dielectric isolation I/O to power supply						
Dielectric isolation I/O to DIN-rail						
Storage temperature range	-40°C...+85°C		-20°C...+70°C		-20°C...+70°C	
Operating temperature range	-40°C...+75°C		0°C...+55°C		0°C...+55°C	
Relative humidity (non-condensing)			0 to 80%		0 to 80%	
Wire size	#26...12 AWG / 0.5...2.5 mm ²		#26...12 AWG / 0.5...2.5 mm ²		#20...12 AWG / 0.5...2.5 mm ²	
Clamp screw tightening torque Nm (lb.in.)	0.6 (5.31)		0.5 (4.38)		0.5 (4.38)	
Mechanical dimensions (WxLxH) mm (in.)	12x88x68 (.47x3.46x2.68)		6x77x62 (.24x3.03x2.44)		6x77x62 (.24x3.03x2.44)	
Dimensional diagram	Page 404 Fig. 4		Page 404 Fig. 3		Page 404 Fig. 3	
Insulation stripping length mm (in.)			9 (.35)		9 (.35)	
Certification standards	UL, CSA, CE		CE, CSA		CE, CSA	
Accessories	Type	Part No.	Type	Part No.	Type	Part No.
End plate side cover	-	-	AP (1.5)	C9039986	AP (1.5)	C9039986
PC software kit†	-	998471				
Cross-connection, black						
Cross-connection, red						
Cross-connection, blue						
Cross-connection, yellow						