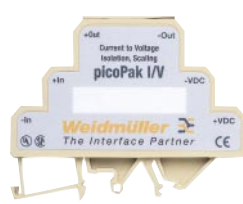
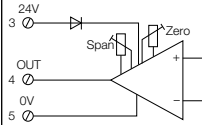


Analog Signal Conditioners

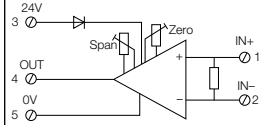
picoPak I/V
Current Input / ±20 mA
Terminal Block



DK5 / V-I
Voltage Input / 0...10 VDC
Terminal Block



DK5 / V-V
Voltage Input / 0...10 VDC
Terminal Block



Ordering Data	picoPak I/V		DK5 / V-I		DK5 / V-V	
	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 I/V	998409	DK5 / V-I	980644	DK5 / V-V	980646
Tension clamp for TS 35 rail						
Technical Data	Input signal type	Current	Voltage	Voltage	Voltage	Voltage
Material or excitation						
Input range (min...max.)	±20 mA*		0...10 VDC		0...10 VDC	
Input impedance	82.5 Ω max.		800 kΩ		800 kΩ	
Line resistance						
Input maximum			15 VDC		15 VDC	
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						
Zero setting (4.0 mA) adjustment			±5%		±5%	
Span adjustment (20 mA)			±5%		±5%	
Output signal type	Voltage		Current		Voltage	
Output range	0...10 V*		4...20 mA		0...10 VDC	
Output load/loop resistance	2 kΩ min., 4 kΩ min.		0-1 kΩ		0-1 kΩ	
Output supply voltage (min./max.)			20...30 VDC		20...30 VDC	
Output supply current (max.)			30 mA max.		20 mA max.	
Cold junction comp error						
Common mode rejection			80 db min.		80 db min.	
Accuracy input/output	0.05% of full scale nominal, 0.2% max. for voltage output		±0.1% of FS		±0.1% of FS	
Linearity input/output			0.1% of FS		0.1% of FS	
Temperature coefficient			±0.01% of FS/°C		±0.01% of FS/°C	
Transmission frequency	10 Hz		1 kHz typical		1 kHz typical	
Coupling method	Optically Isolated		Direct		Direct	
Cross-connections on pin						
Operating Specifications						
Dielectric isolation input to output	1500 VAC RMS, 3 port					
Dielectric isolation I/O to power supply						
Dielectric isolation I/O to DIN-rail						
Storage temperature range	-40°C...+85°C		-25°C...+85°C		-25°C...+85°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 mm²		#20...12 AWG / 0.5...2.5 mm²		#20...12 AWG / 0.5...2.5 mm²	
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		CE	
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						