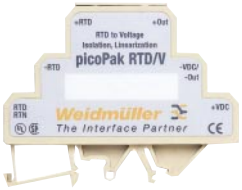
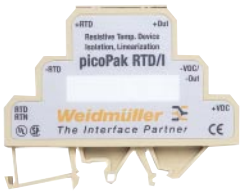
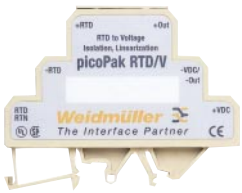
Analog Signal Conditioners

	picoPak RTD/V RTD Input /10 Ω Copper, α = 0.0047, 0...100°C Terminal Block	picoPak RTD/I RTD Input / 10 Ω Nickel, α = 0.00672, 0...100°C Terminal Block	picoPak RTD/V RTD Input / 120 Ω Nickel, α = 0.00672, 0...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 RTD/V **998328**	picoPak RTD/I **998320**	picoPak RTD/V **998329**
Tension clamp for TS 35 rail			
Technical Data			
Input signal type	**RTD**	**RTD**	**RTD**
Material or excitation	Cu10 Ω	Ni120 Ω	Ni120 Ω
Input range (min…max.)	**10 Ω Copper, α = 0.0047, 0…100°C***	**10 Ω Nickel, α = 0.00672, 0…100°C***	**120 Ω Nickel, α = 0.00672, 0…100°C***
Input impedence			
Line resistance			
Input maximum			
Supply voltage (min./max.)	15...30 VDC	15...30 VDC	15...30 VDC
Supply current (min./max.)	25...30 mA	25...45 mA	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			
Span adjustment (20 mA)			
Output signal type	**Voltage**	**Current**	**Voltage**
Output range	**0…10 V***	**4…20 mA***	**0…10 V***
Output load/loop resistance	2 kΩ min., 4 kΩ min.	600 Ω max.	2 kΩ min., 4 kΩ min.
Output supply voltage (min./max.)			
Output supply current (max.)			
Cold junction comp error	150 µA / 0.1°C	150 µA / 0.1°C	150 µA / 0.1°C
Common mode rejection			
Accuracy input/output	0.05% of full scale nominal,	0.05% of full scale nominal,	0.05% of full scale nominal,
	0.2% max. for voltage output	0.2% max. for voltage output	0.2% max. for voltage output
Linearity input/output			
Temperature coefficient			
Transmission frequency	10 Hz	10 Hz	10 Hz
Coupling method	**Optically Isolated**	**Optically Isolated**	**Optically Isolated**
Cross-connections on pin			
Operating Specifications			
Dielectric isolation input to output	1500 VAC RMS, 2 port	1500 VAC RMS, 2 port	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	-40°C...+85°C	-40°C...+85°C
Operating temperature range	-40°C...+75°C	-40°C...+75°C	-40°C...+75°C
Relative humidity (non-condensing)			
Wire size	#26...12 AWG / 0.5…2.5 mm²	#26...12 AWG / 0.5…2.5 mm²	#26...12 AWG / 0.5…2.5 mm²
Clamp screw tightening torque Nm (lb.in.)	0.6 (5.31)	0.6 (5.31)	0.6 (5.31)
Mechanical dimensions (WxLxH) mm (in.)	12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)	12x88x68 (.47x3.46x2.68)
Dimensional diagram	Page 404 Fig. 4	Page 404 Fig. 4	Page 404 Fig. 4
Insulation stripping length mm (in.)			
Certification standards	UL, CSA, CE	UL, CSA, CE	UL, CSA, CE
Accessories	**Type / Part No.**	**Type / Part No.**	**Type / Part No.**
End plate side cover	- -	- -	- -
PC software kit†	- **998471**	- **998471**	- **998471**
Cross-connection, black			
Cross-connection, red			
Cross-connection, blue			
Cross-connection, yellow			

*Consult factory for custom configurations.
†Kit includes PC based Windows® software, cable and configuration manual.