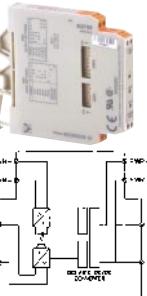


Analog Signal Conditioners

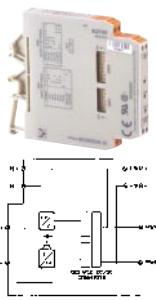
		WAS4/WAZ4 CVC DC		WAS5/WAZ5 CVC HF		UPAC Current Input	
		Current Input / 4...20 mA Enclosed Pluggable		Current Input / 4...20 mA Enclosed Pluggable		0...10 mA to 0...100 mA Enclosed	
Ordering Data							
Screw clamp for TS 35 rail	Type	Part No.	Type	Part No.	Type	Part No.	
Screw clamp for TS 32 rail							
Screw clamp for combi-foot, TS 35 or TS 32 rail	WAS4 CVC DC	844504	WAS5 CVC HF	844728	UPAC Basis I-In	832765	
Tension clamp for TS 35 rail	WAZ4 CVC DC	844505	WAZ5 CVC HF	844729			
Technical Data							
Input signal type	Current		Current		Current		
Material or excitation							
Input range (min...max.)	4...20 mA		4...20 mA		0...10 mA to 0...100 mA		
Input impedance					20 Ω		
Line resistance							
Input maximum	7 V		50 mA		200 V RMS max.		
Supply voltage (min./max.)	24 VDC ± 20%		24 VDC ± 25% (18...30 VDC)		9...30 VDC		
Supply current (min./max.)					83...166 mA		
Current/power consumption	< 20 mA at $I_{out} = 10$ mA				1.5 to 2.5 W		
Power requirements	External		External		External		
Continuous current rating					1.0 A		
Response or switching freq. max.					200 ms typ., 400 ms max.		
Supply current to PT 100 sensor							
Zero setting (4.0 mA) adjustment					0% to 50% of full scale input		
Span adjustment (20 mA)					100% to 50% of full scale input		
Output signal type	Voltage		Voltage		Current or Voltage		
Output range	0...10 V		0...10 V		0...20 mA, 4...20 mA (load<600 Ω)		
					0...1 mA (load<7.5 kΩ)		
					0...5 V, 0...10 V, ±5 V, ±10 V		
Output load/loop resistance	≥ 1 kΩ						
Output supply voltage (min./max.)							
Output supply current (max.)							
Cold junction comp error							
Common mode rejection							
Accuracy input/output	± 0.2% from end value		± 0.2% from FS		At 20°C ± 0.1% typ., ± 0.2% max. of full scale		
Linearity input/output							
Temperature coefficient	≤ 250 ppm/K from FS		≤ 250 ppm/K from FS		± 0.025% of span		
Transmission frequency	≤ 30 ms (typ 20 ms)		≤ 40 μs (typ 30 μs)				
Coupling method	Magnetic		Magnetic		Optically Isolated		
Cross-connections on pin							
Operating Specifications							
Dielectric isolation input to output					1800 VDC		
Dielectric isolation I/O to power supply					1800 VDC		
Dielectric isolation I/O to DIN-rail	4 kV _{eff} / 1 min		4 kV _{eff} / 1 min		1800 VDC		
Storage temperature range	-20°C...+85°C		-20°C...+85°C		-25°C...+70°C		
Operating temperature range	0°C...+55°C		0°C...+55°C		0°C...+55°C		
Relative humidity (non-condensing)					-25°C...+70°C		
Wire size	#22...12 AWG		#22...12 AWG		#20...12 AWG / 0.5...2.5 mm ²		
Clamp screw tightening torque Nm (lb.in.)					0.5 (4.38)		
Mechanical dimensions (WxLxH) mm (in.)	12.5x92.4x112.5 (.49x3.64x4.43)		17.5x92.4x112.5 (.69x3.64x4.43)		17.7x90x111.5 (.70x3.54x4.39)		
Dimensional diagram	Page 402 Fig. 1		Page 402 Fig. 2				
Insulation stripping length mm (in.)					7 (.28)		
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	AP MCZ 1.5	838903	AP MCZ 1.5	838903	-	-	
PC software kit†							
Cross-connection, black	ZQV 2.5N/2	171808	ZQV 2.5N/2	171808			
Cross-connection, red	ZQV 2.5N/2	171790	ZQV 2.5N/2	171790			
Cross-connection, blue	ZQV 2.5N/2	171799	ZQV 2.5N/2	171799			
Cross-connection, yellow	ZQV 2.5N/2	169380	ZQV 2.5N/2	169380			

PART NUMBER SELECTION TABLES



UPAC Current Input

0...10 mA to 0...100 mA
Enclosed



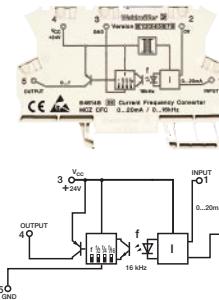
UPAC Current Input / Relay Output

0...10 mA to 0...100 mA
Enclosed



MCZ CFC

Current Input / 0...20 mA
Terminal Block



| picoPak I/I

Current Input / 0...20 mA
Terminal Block



| picoPak I/I

Current Input / 0...20 mA
Terminal Block



ANALOG SIGNAL CONDITIONERS

**Consult factory for custom configurations.*

PART NUMBER SELECTION TABLES