

KIO2217 - DATASHEET



ORDER-CODES:

KIO2217

Function	Extension module for connecting up to 8 differential or 16 single-ended analog inputs
Connection options	Log4j

Configuration	Integr. Web server (HTTP) Default IP: 192.168.255.1
Protocols	Modbus TCP / Modbus UDP / MQTT / SNMP v2c
Security	ID, password and IP filter
Connection terminals	Pluggable spring terminals for cables up to 1 mm ²
Enteränge	Channels: 8 differential or 16 single-ended analog inputs Type: voltage or current, selectable via DIP switch Measuring ranges per channel (voltage): ± 150 mV, ± 500 mV, ± 1 V, ± 5 V, ± 10 V Measuring ranges per channel (current): 0-20 mA, 4-20 mA, ± 20 mA Resolution: 16 bit Accuracy: ± 0.1 % FSR (Full Scale Range) Sampling rate: normal mode 20 Hz (for all channels), fast mode 200 Hz (for all channels)
External sensors	Analog sensors with: Voltage output ± 10 V (default) Current output ± 20 mA (must be activated by jumper)
Insulation	I/O isolation: 3000 V DC
Environment	Operating temperature: -25 to +75 °C Humidity: 10 to 90 % RH, non-condensing
Network	2x RJ45, LAN 10/100 Base-TX
Power supply	PoE (Class 1) or external power supply unit 10-48VDC, 3.5W
Housing	33 x 127 x 117 mm (DIN rail mounting)
Scope of delivery	KIO2217, 3m patch cable, instructions
Certification	CE, RoHS-compliant
Accessories	Power supply unit or PoE injector if no PoE supply is available

Terminal assignment

Port	Pin Assignment	Pin Assignment	SW2	Pin Assignment	Pin Assignment	Terminal No.	Pin Assignment
SW1	 Init Run	I0		V0	VI0	01	02 VI0-/VI8
PWR	F.G.	I1		V1	VI1	03	04 VI1-/VI9
	GND	I2		V2	VI2	05	06 VI2-/VI10
	+ Vs	I3		V3	VI3	07	08 VI3-/VI11
		I4		V4	VI4	09	10 VI4-/VI12
ETH1		I5		V5	VI5	11	12 VI5-/VI13
ETH2		I6		V6	VI6	13	14 VI6-/VI14
		I7		V7	VI7	15	16 VI7-/VI15
			AGND	17	18 AGND		
			AGND	19	20 AGND		



20-pin Connector

Wiring

