

1. Specification

Technical data	
Number of channels	4
Signal type	Differential signal
Input signal voltage	24VDC
Connection type	2-line
Resolution [bit]	16 Bit
Precision	0.20%
Data size	8 Byte
Measuring range	voltage ($\pm 10V/0\sim+10V$)
Supply voltage (system)	5VDC; via data contacts
Current consumption	<120mA
Working voltage	24VDC (-15%~+20%) via power jumper contacts
Isolation	500Vsystem/field Magnetic isolation
Measuring range (Profinet/Ethernet IP)	(0~+10V) 0~27648 (-10~+10V) -27648~27648
Measuring range(Others)	(0~+10V) -32768~32767 (-10~+10V) -32768~32767
Sampling rate	20~300Hz (Configuration)
Conversion time	1ms
Internal Resistance	>450K Ω
Fault diagnosis	Yes
Reverse protection	Yes
Indicators	2 x LED Green
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Connection data	
Connection technology: inputs / outputs	8 xvia pluggable connector
Connection type 1	Inputs/Outputs
Area of wire	0.2~2.5mm ² /28~14AWG
Strip length	8~9mm/0.31~0.35inches
Mounting type	DIN-35 RAIL
Material Data	
Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE
Environmental requirements	
Ambient temperature (operation)	-25~60°C
Surrounding air temperature (storage)	-40~85°C
Protection type	IP20
Pollution degree (5)	2, Per IEC 61131-2
Operating altitude	without temperature derating: 0~2000m
Mounting position	Any
Relative humidity (without condensation)	5~95%RH
Vibration resistance	4g, Per IEC 60068-2-6
Shock resistance	15g, Per IEC 60068-2-27
EMC immunity to interference	Per EN 61000-6-2
EMC emission of interference	Per EN 61000-6-3
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible pollutant concentration H2S at a relative humidity < 75%	10ppm
Permissible pollutant concentration SO 2 at a relative humidity < 75%	25ppm