

1. Specification

Technical data	
Number of channels	8
Signal type	Differential signal
Input signal voltage	24VDC
Connection type	2-line
Resolution [bit]	16 Bit
Precision	0.20%/±50ppm/K max.
Data size	16 Byte
Measuring range	current (0~20mA/4~20mA)
Supply voltage (system)	5VDC; via data contacts
Current consumption	<200mA
Working voltage	24VDC (-15%~+20%) via power jumper contacts
Isolation	500Vsystem/field Magnetic isolation
Measuring range (Profinet/Ethernet IP)	(0~20mA/4~20mA) 0~27648
Measuring range(Others)	(0~20mA/4~20mA) 0~65535
Sampling rate	20~300Hz (Configuration)
Conversion time	<1ms
Internal Resistance	100Ω
Fault diagnosis	Yes
Reverse protection	Yes
Indicators	10 x LED Green
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Connection data	
Connection technology: inputs / outputs	16 x via pluggable connector
Connection type 1	Inputs/Outputs
Area of wire	0.2~1.5mm ² /28~16AWG
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 H ₂ S at a relative humidity < 75%	10ppm
Permissible pollutant concentration SO ₂ at a relative humidity < 75%	25ppm