

## 1. Specification

<b>Technical data</b>	
Number of channels	8
Signal type	Differential signal
Input signal voltage	24VDC
Connection type	2-line
Resolution [bit]	32 Bit
Precision	0.20%
Data size	16 Byte
Measuring range	voltage ( $\pm 10V/0\sim+10V$ )
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~+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 $\Omega$
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
<b>Connection data</b>	
Connection technology: inputs / outputs	16 x via pluggable connector
Connection type 1	Inputs/Outputs
Area of wire	0.2~1.5mm <sup>2</sup> /28~16AWG
Strip length	8~9mm/0.31~0.35inches
Mounting type	DIN-35 RAIL
<b>Material Data</b>	
Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE
<b>Environmental requirements</b>	
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 <sub>2</sub> S at a relative humidity < 75%	10ppm
Permissible pollutant concentration SO <sub>2</sub> at a relative humidity < 75%	25ppm