

1. Specification

Technical data	
Number of digital inputs	32
Number of Channels	32
Signal type	Voltage
Signal type (voltage)	24VDC NPN
Connection type	1-line
Input characteristic	Low-side switching
Input filter (digital)	0.3ms
Precision	0.20%
Typical input current	3mA
Voltage range for signal (0)	18~32V
Voltage range for signal (1)	0~4V
Data size	4 byte
Supply voltage (system)	5VDC; via data contacts
Current consumption	<30mA
Working voltage	24VDC (-15%~+20%) via power jumper contacts
Isolation	500Vsystem/field Electrical isolation
Reverse protection	Yes
Indicators	32 x LED Green
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Connection data	
Connection technology: inputs / outputs	32 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