

<b>Technical data</b>	
Number of digital inputs	16
Number of Channels	16
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	2 byte
Supply voltage (system)	5VDC; via data contacts
Current consumption	<15mA
Working voltage	24VDC (-15%~+20%) via power jumper contacts
Isolation	500Vsystem/field Electrical isolation
Reverse protection	Yes
Indicators	16 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 H2S at a relative humidity < 75%	10ppm
Permissible pollutant concentration SO 2 at a relative humidity < 75%	25ppm