

## 1.Specification

<b>Technical data</b>	
Communication	PROFINET
ETHERNET protocols	DCP
Bus segment length (max.)	100M
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5
Transmission rate	10/100Mbps, full duplex
Number of extensible modules	32
Address mapping	Yes
PDO data	1024 bytes
Address setting	PROFINET specification
Features	RT, conforming to Class C, MRP, automatic addressing/topology detection
Alarm function	Diagnostic alarm, process alarm, plug and unplug connector alarm
Minimum cycle time	1ms
Connection type	via pluggable connector (Spring terminal blocks)
Working voltage	24VDC (-15%~+20%)
Current without load	<350mA
Supply system voltage	5VDC
Supply system current(max.)	400mA
Supply field voltage	24V~32VDC; via power jumper contacts
Supply field current(max.)	5A
Isolation	500V system/field Electrical isolation
<b>Connection data</b>	
Connection technology: communication/fieldbus	PROFINET IO: 2 x RJ-45
Connection technology: system supply	2 x Spring terminal blocks
Connection technology: field supply	6 x Spring terminal blocks
Connection type 1	System/field supply
Area of wire	0.2~2.5mm <sup>2</sup> /28~14AWG
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