

Technical Information	
Specification parameters	PROFINET bus, 2 RJ45, expandable to 32 modules, 24VDC
Description	PROFINET
Connection method	2 * RJ45, integrated switch function
Transfer rate	10/100Mbps, full duplex
Transmission distance	100m
PDO data	1024 bytes
Number of expandable modules	32
Address mapping	Yes
Bus address settings	PROFINET specification
Transmission medium	Category 5 twisted pair
Method of electrical isolation	RT, compliant with Class C, MRP, automatic addressing/topology detection
Characteristic	Diagnostic alarm, process alarm; Connector alarm
Alarm	1ms
RT Bridge delay	<3usec
Internal system electrical terminal rated voltage input	24V DC (20.4V DC~ 28.8V DC)
Internal system electrical terminal rated current input	0.75A (Typical value at 24V)
Internal system electrical rated voltage output	5VDC
Internal system electrical rated current output	2A
Internal load electrical terminal rated voltage input	24V DC (20.4V DC~ 28.8V DC)

Internal load electrical terminal rated current input	0.75A (Typical value at 24V)
Internal load rated voltage output	24V DC (20.4V DC~ 28.8V DC)
Internal load rated current output	0.75A (Typical value at 24V)
DI parameters	
Signal (0) Input current of each channel (typical)	0.6mA
Signal (1) Input current of each channel (typical)	2.3mA
Signal (1) Minimum input current for each channel	2.1mA
Signal (1) Maximum input current of each channel	2.4mA
Filtering time	0.2-40ms configurable
Impedance	>7.5k Ω
Input action display	When the input is in the drive state, the input indicator light is on
I/O mapping	Supports bitwise access, byte access, and two I/O mapping methods
Wiring parameters	
communication/fieldbus	PROFINET I/O: 2 * RJ-45
Connection technology	PUSH-IN type wiring port
line type	System/on-site power supply/input
Crimping area of wire	0.14~1.5mm ² /26~16AWG
Strip length	8~10mm
Installation method	DIN-35 type guide rail
Material parameters	
Colour	Black
Housing material	PC plastic, PA66
Consistency flag	CE

Environmental requirements	
Permissible ambient temperature (during operation)	-25~60°C
Permissible ambient temperature(storage)	-40~85°C
Protection type	IP20
Pollution leve	2. Comply with IEC 61131-2 standard
Working altitude	Without temperature influence:0~2000m
Relative humidity (non condensing)	5~95%RH
Anti vibration	4g, Complies with IEC 60068-2-6 standard
Impact resistance	15g, Complies with IEC 60068-2-27 standard
EMC - Immunity	Complies with EN 61000-6-2 standard
EMC-Radiated Interference	Complies with EN 61000-6-3 standard
Corrosion resistance	Complies with IEC 60068-2-42 and IEC 60068-2-43 standards
Permissible H2S pollutant concentration at 75% relative humidity	10ppm
Permissible SO2 pollutant concentration at 75% relative humidity	25ppm