Technical Information	
Product Description	ROFINET bus, 2 RJ45, expandable to 32 modules, 24VDC
Communication protocol	PROFINET
Local IO	Local integration of 8-way DI, supporting NPN/PNP input
Connection method	2 X RJ45, integrated switch function
transmission speed	100Mbps, full duplex
transmission distance	100 meters
PDO data	512 bytes
Number of expandable modules	thirty-two
Address Mapping	support
Bus address settings	PROFINET specification
Transmission medium	Category 5 twisted pair
Isolation method	Galvanic isolation from site floor
characteristic	RT, compliant with Class C, MRP, automatic addressing/topology detection
Alarm function	Diagnostic alarm, process alarm, connector plugging alarm
Minimum cycle time	1ms
RT Bridge Delay	<3usec
DI parameters	
Signal (0) Input current of each channel (typical)	0.678mA
Signal (1) Input current of each channel (typical)	4.07mA
Signal (1) Minimum input current for each channel	2.46mA
Signal (1) Maximum input current of each channel	4.7mA
Filtering time	No filtering, 0.25ms, 0.5ms, 1ms (factory setting), 2ms, 4ms, 8ms, 16ms, 32ms, 2 sets of filtering parameters can be set, one set for every 8 channels, and the same filtering parameter can be shared within the group
Input impedance	5.6kΩ
Input action display	When the input is in the drive state, the input indicator light is on (LED is controlled by the microcontroller IO software)
Input Derating	Derate by 75% when operating at 55 ℃ (with no more than 12 input points ON), or by 10 ℃ when the input points are ON
IO mapping	Supports three IO mapping methods: bit access, byte access, and word access
Power supply parameters	
No-load current	<350mA
Provide internal system voltage	5VDC
Provide internal system current	Max.2A

Provide load voltage	24V…36VDC
Provide maximum load current	10A
Wiring parameters	
Connection technology: communication/fieldbus	PROFINET IO: 2 x RJ-45
Connection technology	PUSH-IN type terminal blocks
line type	System/on-site power supply/input
Crimping area of wire	0.2～1.5mm2/26～16AWG
Strip length	8～10mm
Installation method	DIN-35 type guide rail
Mechanical structure	
Protection level	IP20
Guideway type	35mm DIN
Work environment	
Permissible ambient temperature (during operation)	-25～60℃
Permissible ambient temperature (storage)	-40～85℃
Protection type	IP20
Pollution level	2. Comply with IEC 61131-2 standard
Working altitude	Temperature without derating: 0-2000m
Installation position	arbitrarily
Relative humidity (non condensing)	5-95% RH
Anti vibration	4g, in accordance with IEC 60068-2-6 standard
Impact resistance	15g, in accordance with IEC 60068-2-27 standard
EMC - Immunity	符合 EN 61000-6-2 标准
EMC-Radiated Interference	符合 EN 61000-6-3 标准
Corrosion resistance	符合 IEC 60068-2-42 和 IEC 60068-2-43 标准
Permissible H2S pollutant concentration at 75% relative humidity	10ppm
Permissible SO2 pollutant concentration at 75% relative humidity	25ppm