Overview

Product information

DF50-C-PN-RT-30050002548

PROFINET bus, 2 RJ45, expandable to 32 modules, 24VDC

Product advantages

☑ PROFINET bus communication protocol.
☑ Integrated power module.
☑ LED displays the operating status, providing alarm information and bus faults.
☑ Dual PROFINET connection (RJ45,10/100Mbps).
☑ Adhere to the characteristics of MRP media redundancy protocol ring.
☑ Protection level IP20.

Product certification

Technical data

Product drawing

3D model

Technical Information

Transmission speed	10/100Mbps, full duplex
Characteristic	RT, compliant with Class C, MRP, automatic addressing/topology detection
Alarm function	Diagnostic alarm, process alarm, connector plugging alarm
Minimum cycle time	1ms
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

Working voltage	24V DC+20%/-15%
Communication protocol	PROFINET-RT
Number of expandable modules	Thirty-two
Transmission distance	100米
PDO data	1024 bytes
Transmission medium	Category 5 twisted pair cables
Isolation method	Electrical isolation from the site
Bus address setting	PROFINET specification

Environmental requirements

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
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	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

Wiring parameters

Connection technology: input/output	PUSH-IN type terminal blocks

Crimping area of wire	0.2~1.5mm²/26~16AWG
Strip length	8-10mm

Accessories

Business data

Order number	30050002548
Packing unit	1
Minimum order quantity	1
Products weight (without packaging)	200g