

70克双胶纸 折好成品规格92X130mm

COMA22-M8 Communication Module User Manual CHNT

•Status indication:
The red light is power indicator; the green light is signal indicator. The red light flashes after the power indicator is powered on, and the signal indicator is on when there is communication signal between the communication module and the controller.
Relay contact operation: The upstream unit sends corresponding command to the communication module, and the communication module controls the relay to open or close. The initial status of the relay is open.

6 Outline and Installation Dimensions

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Certificate of qualification CHNT

CHNT
QC PASS

COMA22-M8
Communication Module
IEC/EN 60947-2

PD1
Check 30

Test date: Please see the Packing

ZHEJIANG CHINT ELECTRICS CO., LTD.

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COMA22-M8
Communication Module

User Manual

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Standard: IEC/EN 60947-2

Safety Warnings

- 1) Installation in any damp, condensed-phase environment with inflammable and explosive gas is forbidden. Do not operate the product with wet hands.
- 2) You are prohibited from touching the conductive part when the product is operating.
- 3) Do not install the product at places where gas media can cause metal corrosion and insulation damage.
- 4) To avoid dangerous accidents, the product must be installed strictly according to the instructions.
- 5) After unpacking the product, check if the product is damaged and the items are complete.

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1 Application Range

This document provides the normal operating conditions, installation conditions, main specifications and technical parameters, main structure and system, and installation and maintenance of COMA22-M8 external MODBUS communication module (hereinafter referred to as communication module).

This document is applicable to communication module which is an auxiliary component of moulded case circuit breaker. The communication module is used for networking and communication of new type moulded case circuit breaker, which is easy for user to control remotely. The two dry contacts within the communication module enable the controller to conduct remote control; the two digital signal inputs enable the controller to collect the ON and OFF status information of the moulded case circuit breaker.

2 Installation and Operating Conditions

2.1 Normal operating conditions

2.1.1 Ambient temperature
Operating temperature -20°C~+70°C, with average value within 24h not exceeding +35°C, the storage temperature is -25°C~+85°C.

2.1.2 Altitude
The altitude of the installation site should not exceed 2,000m.

2.1.3 Atmospheric conditions
The relative humidity under highest temperature (+40°C) of the installation site should not exceed 50%; higher relative humidity is allowed under lower temperature; the maximum average relative humidity in the wettest month should not exceed 90% and the average temperature of that month should not exceed +25°C. Condensation on product surface due to temperature changes should be considered.

2.1.4 Pollution level
Pollution level: level 3.

2.2 Installation conditions
Rail mounting, install the product on DIN steel rail (TS35x7.5mm), the installation method is the same as miniature circuit breaker.

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3 Performance Parameters

3.1 Product model and definitions
COMA refers to communication module
22 refers to universal accessory of standard type electronic moulded case circuit breaker with LCD
M8 refers to NM8N series

3.2 Basic parameters and key performance indicators

Operating power supply	AC220V, range: AC85V~AC265V or DC24V
Operating temperature	-25°C~75°C
Communication	RS485 communication Baud rate: 9600/19200 bps
Two way relay output	Output capacity 3A 30V DC/250V AC

4 Maintenance
The ambient temperature and humidity of application site must comply with the specifications in the use instructions.

5 Wiring Instructions and Status Indication

DC24V

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AC230V

Terminal	Label	Description
1	OPV	15V output, connect to controller 15V input
2	OPG	GND, connect to controller GND
3	RXA	RS485 bus A, connect to controller RS485 A
4	TXB	RS485 bus B, connect to controller RS485 B
5	DI1(AX)	Auxiliary signal input, connect to auxiliary module AX PIN 4
6	DI2(AL)	Alarm signal input, connect to alarm module AL PIN 4
7	COM	Common terminal, connect to AX, AL, PIN 1
8	A+	RS485 bus A, connect to external RS485 bus A
9	B-	RS485 bus B, connect to external RS485 bus B
10	JD2	Relay output, connect to electronic operating mechanism making signal
11	JD2	Relay output, connect to electronic operating mechanism making signal
12	JD1	Relay output, connect to electronic operating mechanism breaking signal
13	JD1	Relay output, connect to electronic operating mechanism breaking signal
14	N	Power input (AC230V model)
15	L	Power input (AC230V model)
14	GND	Power input GND (DC24V model)
15	24V	Power input 24V (DC24V model)

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