


YCP5 series

Motor Starter

OPERATION INSTRUCTION

Standard: IEC 60947-4-1

CNC Deliver
Power For Better Life

 Before installing and using this product, please read this manual carefully and pay more attention to safety.

Motor protection circuit breakermp.proseries

User' s guide and manual operation

1.Applicator

Motor protection circuit breakermp.pro(hereinafter referred to as the product) designed to control and protect three-phase asynchro nous squirrel cage motors against overload, short circuit and phase phase failure. The timer are meets requirements of IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1.

2.Technical data

Table 1

Parameter name	Value
Rated voltage, Ue, V	230/400
Rated frequency, Hz	50
Rated current, In, A	0.16,0.25,0.4,0.63,1,1.6,2.5,4,6.3,10, 14,16,18,20,23,25,32,40,63,80
	7,5
	15
Poles	3
Rated insulation voltage, Ui, V	690
Rated impulse withstand voltage (1.2/50), Uimp, kV	8
Electrical life, on/off cycles, not less	6000
Mechanical life, on/off cycles, not less	10000
Maximum connecting ability, mm ²	6 (before 32A), 35 (from 40 before 80A)
Tightening torque, Nm	1,2
Protection degree (terminals) acc. to IEC/EN 60529	Ip20
Protection degree (housing) acc. to IEC/EN 60529	Ip40
Weight, (of 1p) g.	180
Operating temperature (with average ≤ 35 °C)	-25...+40
Altitude, not above, m	2000
Air humidity, not above	80%
Pollution degree	2
Working position	Vertical, horizontal, with a tolerance of no more than 5 °
Mounting	Standard TH35 mm IEC rail

The product shall be operated under the following environmental conditions:

- non-explosive;
- does not contain corrosive gases and vapors in concentrations destroying metals and insulation;
- not rich conductive dust and vapors;
- lack of direct exposure to ultraviolet radiation;
- should not be significant shock or vibration.

Transport and Storage are only permitted in the original packing.

The ambient storage temperature: -25...+70 °C and humidity not above 80%

(at 25 °C without condensation).

3. Wiring diagram and overall dimensions

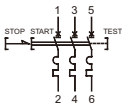
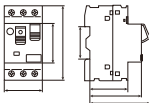


Fig.1



YCP5-25 (0.4-32A)



YCP5-80 (40-80A)

4. Installation and operating

The electrical work shall be performed by qualified personnel.

Before performing wiring work, turn off the upstream circuit breaker and ensure that no current is flowing through the breaker to be wired. Failure to do so may expose you to shock hazard.

When connecting any wire, tighten the terminal screw to the torque specified in this manual. Failure to do so may cause a fire.

Do not install the breaker in an abnormal environment. Protect the circuit breaker so that foreign particles, such as dust, concrete or/and iron powder, water and other moistures will not enter the breaker. Failure to do so may make the breaker inoperative. Connect the circuit breaker to power supply appropriate to the rating voltage. Failure to do so may make the breaker inoperative or damage it. The breaker is installed in a plastic or metal box on a standard DIN-rail width 6 mm² (up to 32A); 35 mm² (40 to 80 A) with latches having two fixed positions. Power can be supplied from both the upper and lower contacts. Terminals allow to connect copper or aluminum conductors. Before connecting stranded conductors, they must be tipped using an appropriate tool.

The products do not require special maintenance during operation. Regularly, at least once in 6 months is necessary to tighten the screw terminals.

5. Safety requirements

Device maintenance and repair work may be carried out only by appropriately authorized and trained personnel. Before any work commences, the devices must be disconnected from the supply.

Use the miniature circuit breakers in accordance with their designated use and for their intended purpose only.

When the circuit breaker automatically breaks a circuit, turn on the handle after removing the cause. Failure to do so may cause an electric shock or a fire.

The miniature circuit breakers must only be fitted and operated if they are undamaged, dry and clean. Incorrect handling of the breaker will result in a hazardous situation, such as death or serious injury.

6. Warranty

Average life — 7 years, subject to the requirements of installation, operating, ambient conditions, transportation and storage.

Product Warranty period — 1 year from the date of purchase, subject to the requirements of installation, operating, ambient conditions, transportation and storage.

The warranty does not apply to breakers:

- having mechanical damage;
- other damage caused by improper transportation, storage, assembly and installation, improper operation;
- with the following independent, tamper and / or repair of the product.

Incorrect or impermissible use or non-compliance with these instructions invalidates our warranty provision. No modifications or alterations to the devices are permitted.

During the warranty period and technical support contact: www.cncele.com

7. Limitation of liability

- The manufacturer is not responsible for:
 - direct, indirect or consequential damages, loss of profits or commercial losses, in any way connected with product;
 - possible harm directly or indirectly caused by the product to people, pets, property in case it occurred in result of non-compliance with the rules of operating conditions and installation of the product, or deliberate or careless actions of the buyer (consumer) or third parties;
- The manufacturer's liability can not exceed the product's own cost;
- If faults are found during the warranty period, contact the place of purchase.



CERTIFICATE

Product Model: YCP5 Series

Standard: IEC 60947-4-1

Inspector : **CNC 001**

Production date: Printed on the product
or package.

This product is qualified according
to the delivery inspection

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CNC

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