E2 Motor Protector

CDS16 Intelligent Motor Protector



Selection Guide

Product name	Current specification	Control supply voltage Us
CDS16	□	□
	100A: 1A~100A 400A: 100A~400A 800A: 400A~800A	220: AC220V 380: AC380V

Product features

- The CDS16 intelligent motor protector is suitable for the power supply circuit with AC 50 HZ and voltage below 380 V to form a motor control circuit with AC contactor and other switch circuits. When the main circuit of the motor is in abnormal working conditions such as phase failure, overload, locked rotor and the like, the contact of the switch can be disconnected in time, the three-phase power supply of the motor can be disconnected, and the motor can be reliably protected.
- With liquid crystal display current value, operation and fault status. It also has the functions of thermal memory, start overtime protection, split structure and panel installation. External transformer is not required for large current specification.

Technical parameters

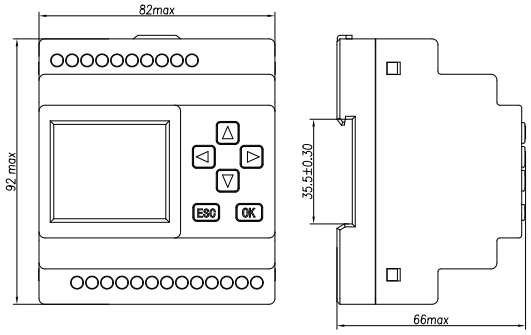
Working voltage and working current under the service category of auxiliary circuit		AC-15 Ue:AC220V Ie:0.47A
Current specification		1A~100A, 100A~400A , 400A~800A
Control supply voltage Us		AC220V, AC380V
Overload protection		When the actual working current of the motor is 1.05 times of the rated working current, the action protection time of the protector is more than or equal to 2h; when the actual working current rises by 1.2 times, the action protection time of the protector is less than 2h; When the actual working current rises by 1.5 times, the protection time of the protector is less than 2 min. When the actual working current of the motor is 7.2 times of the rated working current, the protection time of the protector is more than 2 s and less than or equal to 10 s.
Trip level		10A
Phase failure protection		Three-phase arbitrary phase-phase failure ≤ 3s
Mechanical life	Time	≥1,000,000
Electrical life	Time	≥100,000

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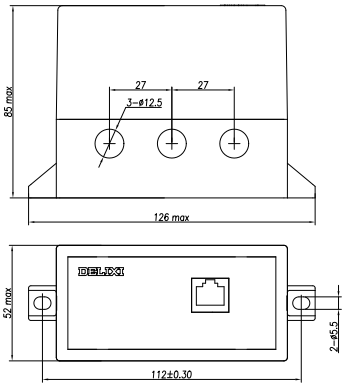
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Outline and installation dimension (mm)

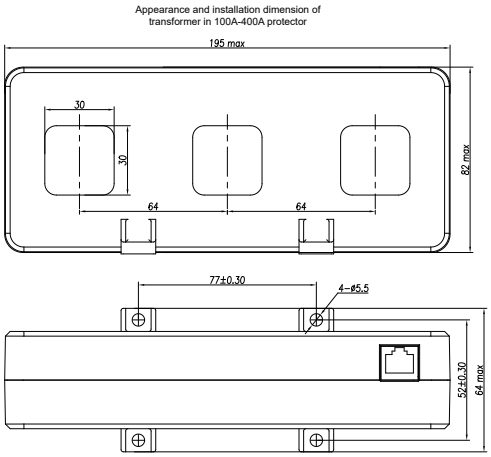
- Appearance and installation dimension of control relay in the protector



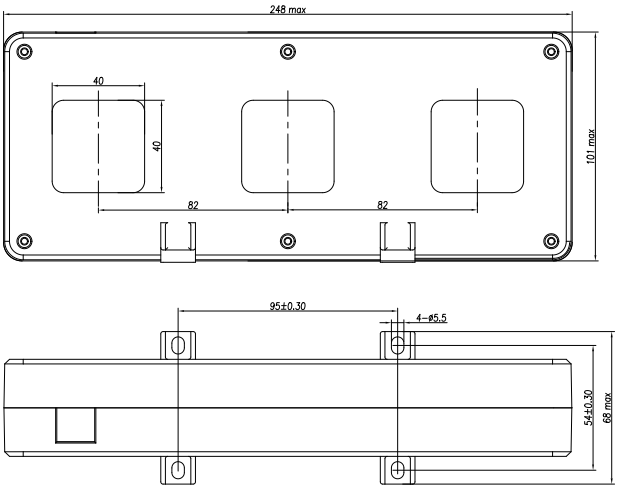
- Appearance and installation dimension of transformer in 1-100A protector



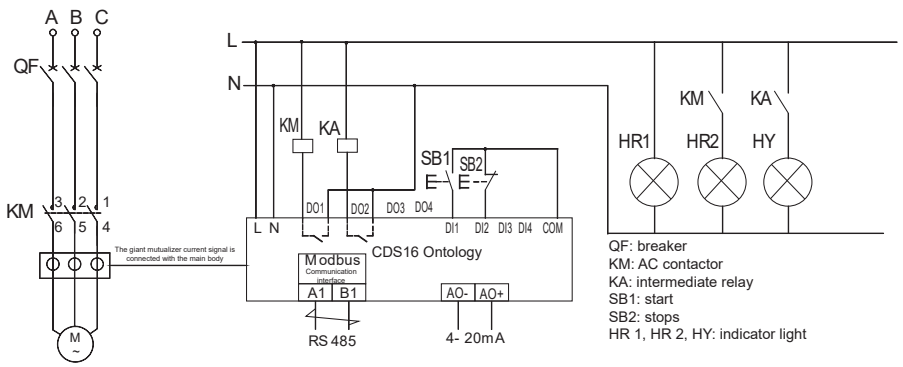
- Appearance and installation dimension of transformer in 100-400A protector



- Appearance and installation dimension of transformer in 400-800A protector



Wiring diagram



QF: breaker
KM: AC contactor
KA: intermediate relay
SB1: start
SB2: stops
HR 1, HR 2, HY: indicator light