Product Description
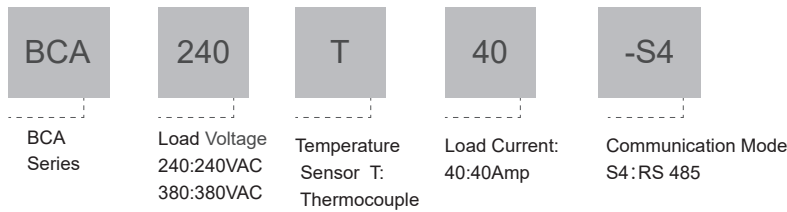
◆ RS 485 Bus Control

◆ Modbus RTU Communication Protocol

◆ SCR Anti-parallelled Output

◆ Load Current: 40A

◆ Dielectric Strength: 4000VAC rms

◆ LED Indication

◆ Self Tuning PID Control

◆ Real-time Current Detection
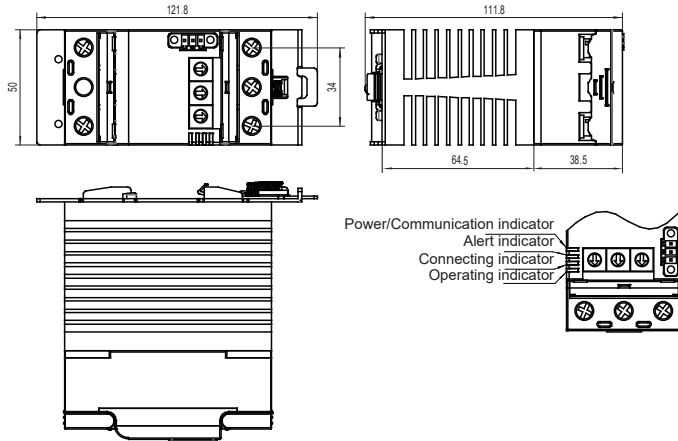
CE   RoHS

Product Selection

BCA	240	T	40	-S4
BCA Series	Load Voltage 240:240VAC 380:380VAC	Temperature Sensor T: Thermocouple	Load Current: 40:40Amp	Communication Mode S4：RS 485

Technical Specification

Input Circuit	
Auxiliary Power Supply Voltage Range	15 ~ 30VDC
Max.Auxiliary Power Supply Current	60mA
Input Control	RS 485

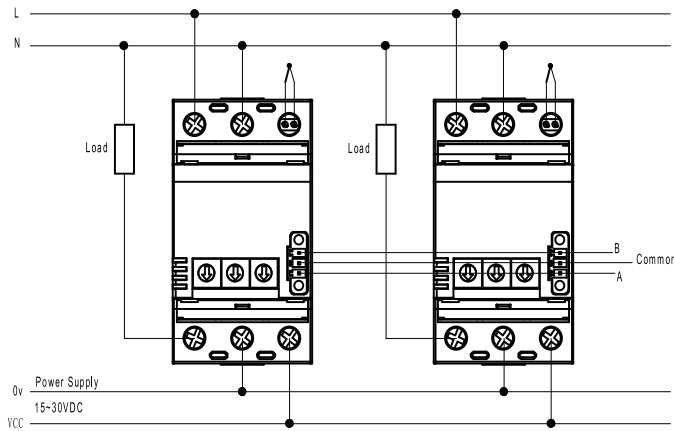| Output Circuit		
Output Power Supply Voltage Range	240VAC	150-280VAC
	380VAC	300-440VAC
Maximum Surge Current [@10ms]		600A
Maximum I²t Value[@10ms]		1800A²S
Maximum Transient Overvoltage		1200Vpk
Maximum Off-State Leakage Current [@ Rated Voltage]		5mA
Maximum On-State Voltage Drop [@ Rated Current]		1.6Vrms
Minimum Off-State dv/dt[@ Maximum Rated Voltage]		500V/µs

General Information

General Information		
thermocouple Type		K Type, J Type
Temperature Control Range		Room Temerature~1000℃
Slave Station Address Range		001～255
Max. Station Point		255
Baud Rate Data		9.6kbps、19.2kbps、38.4kbps、57.6kbps、115.2kbps
Communication Agreement		Modbus RTU
Dielectric Strength	Input/Output	≥4000Vrms
	Input, output/heat sink	≥2500Vrms
Ambient Operating Temperature Range		-30℃ ～ +70℃
Ambient Storage Temperature Range		-30℃ ～ +100℃
Weight [Typical]		700g

Rev.3.3,11-17-2020 Specifications are subject to change without notice. For any questions, please contact our technical support.

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ISO 9001 ISO 45001 OHSMS 18001
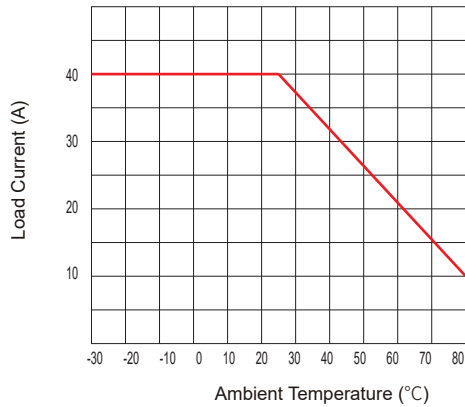
Installation and LED Indication

Power supply/Communication indicator: LED lights up when there is a power supply;
LED becomes brighter when the module is communicating;
Alert indicator: LED lights up when there is a failure;
Connecting indicator: LED lights up when the control resister value is not zero;
Operating indicator: LED flashes every 1.5s when the module is operating.

Power/Communication indicator
Alert indicator
Connecting indicator
Operating indicator

Wiring Diagram

L
N
Load
Load
B
Common
A
0v
Power Supply
15~30VDC
VCC

Thermal Curve

Load Current (A)

Ambient Temperature (℃)

Important Notice

When the ambient temperature is more than 25℃, the user should use this product according to the temperature curve. When the product is installed, it should be installed sideways, that is, the output terminal of the product is installed upward or downward, which is good for the product heat dissipation.

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