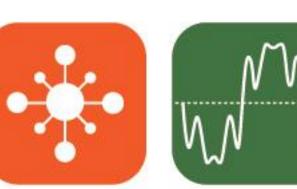
PD 194Z-E 14



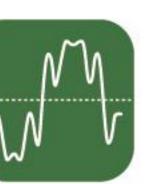
Modbus Interface

Energy Accuracy 0.5S

Multi-circuit

Harmonics

Pulse Output















EC2

I/O module





Networks

-TN, TT, IT networks

Communication

- -Interface: RS485
- -Protocol: Modbus-RTU
- -LoRa

Accuracy

- -Energy: 0.5S (Closed Type CT)
- -Voltage: 0.2%
- -Current: 0.2%



MAIN FEATURES

- -Fundamental V/A
 - -Demand
 - -Max./Min. Value

Measuring

Power Quality

- -THD
- -Harmonics up to 31st
- -Sequence component -Unbalance
- -Crest factor and K factor

Energy Metering

- -Bi-directional energy
- -Four-quadrant reactive energy
- -Tariff energy
- -Fundamental energy



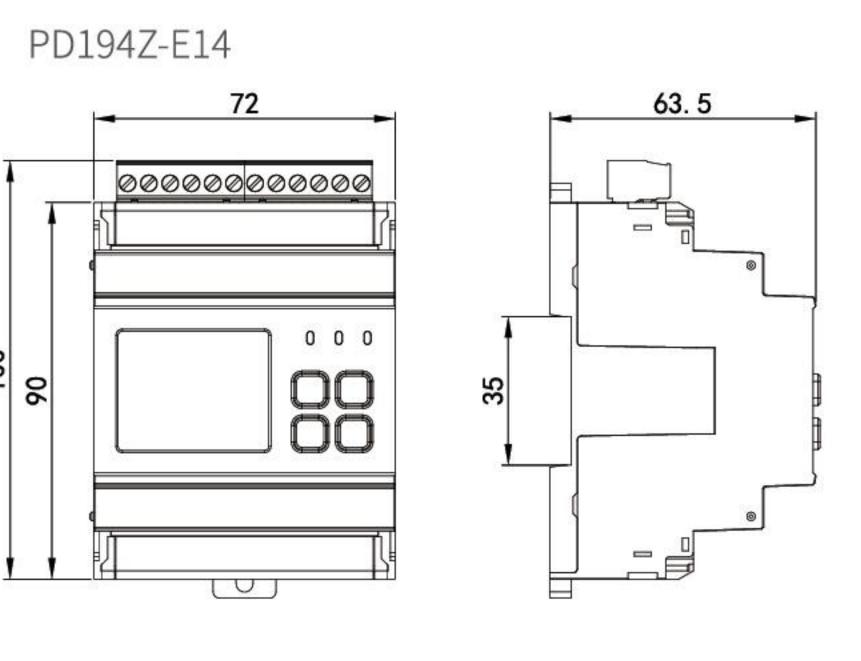


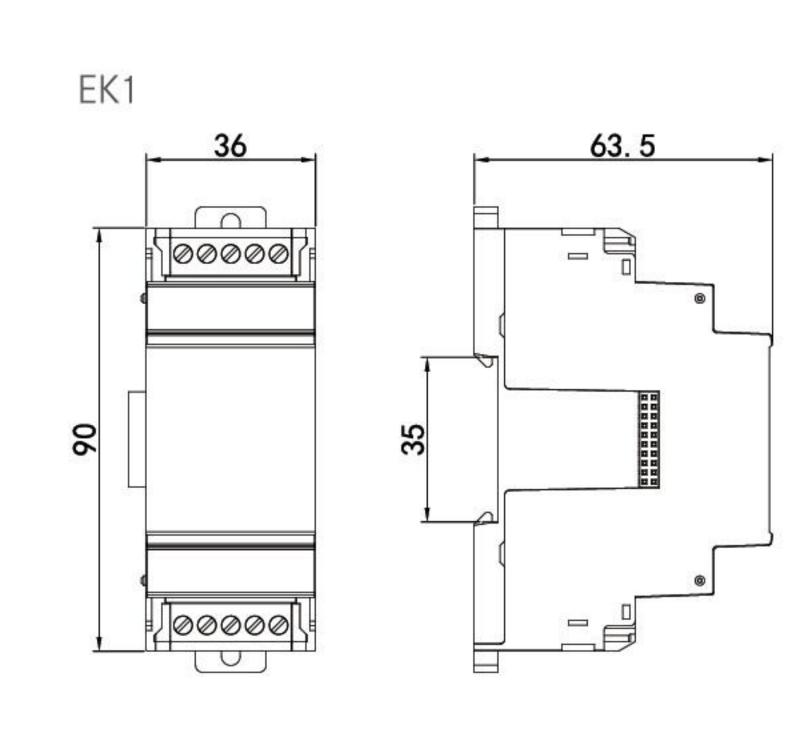


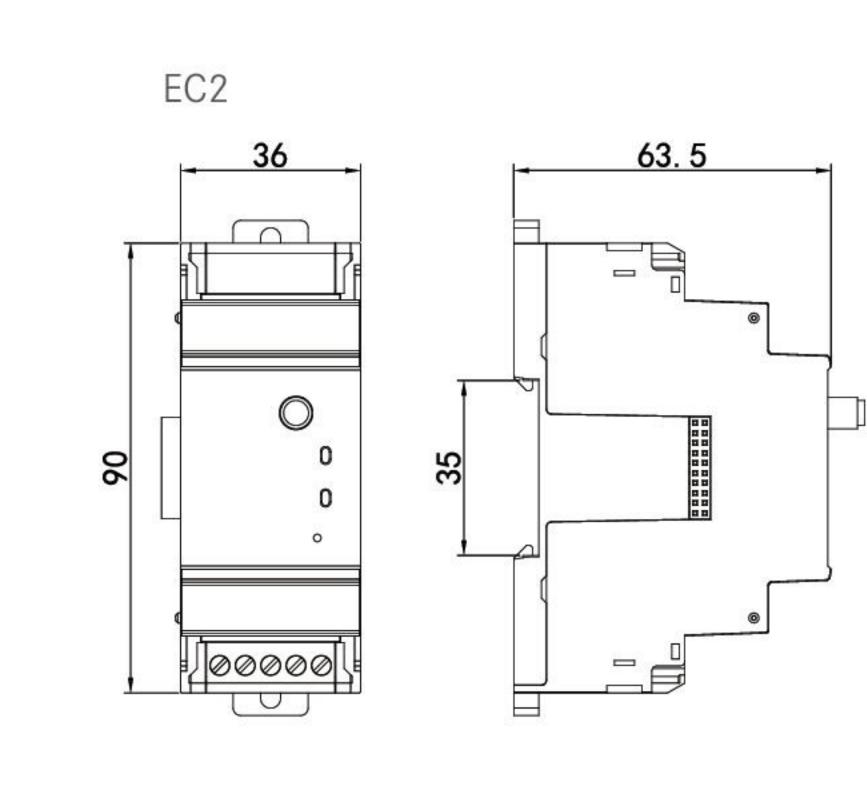




DIMENSIONS

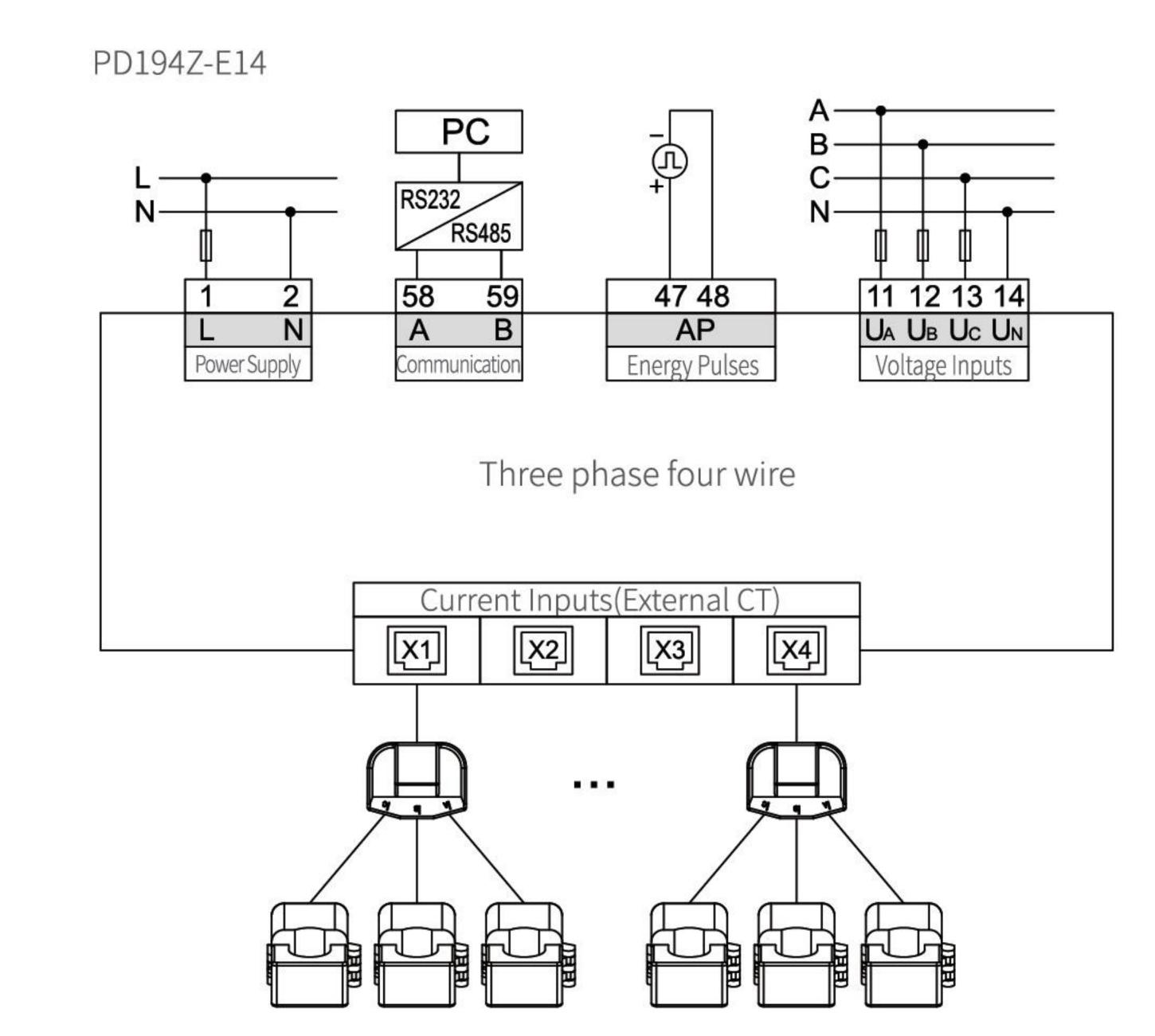


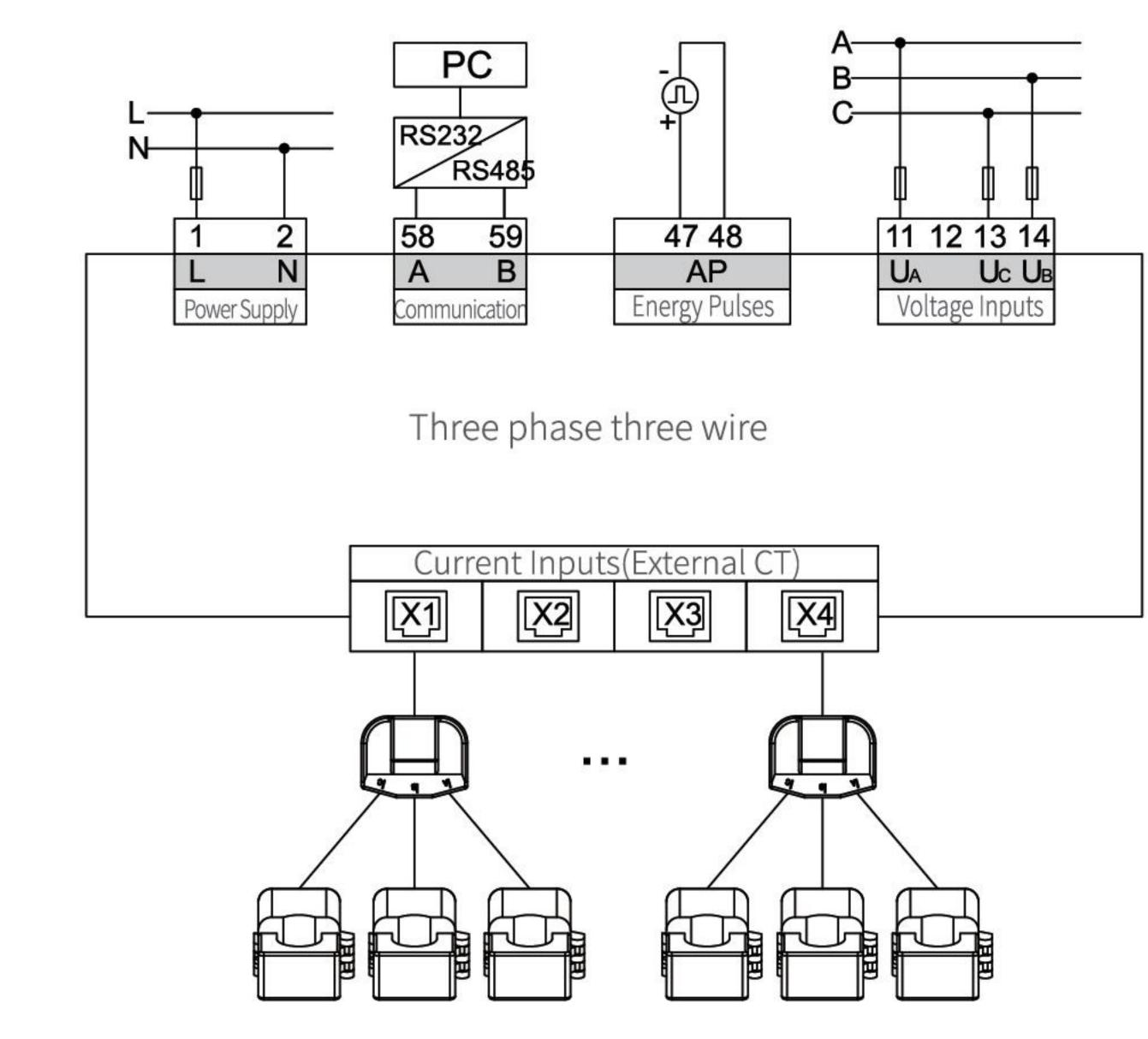


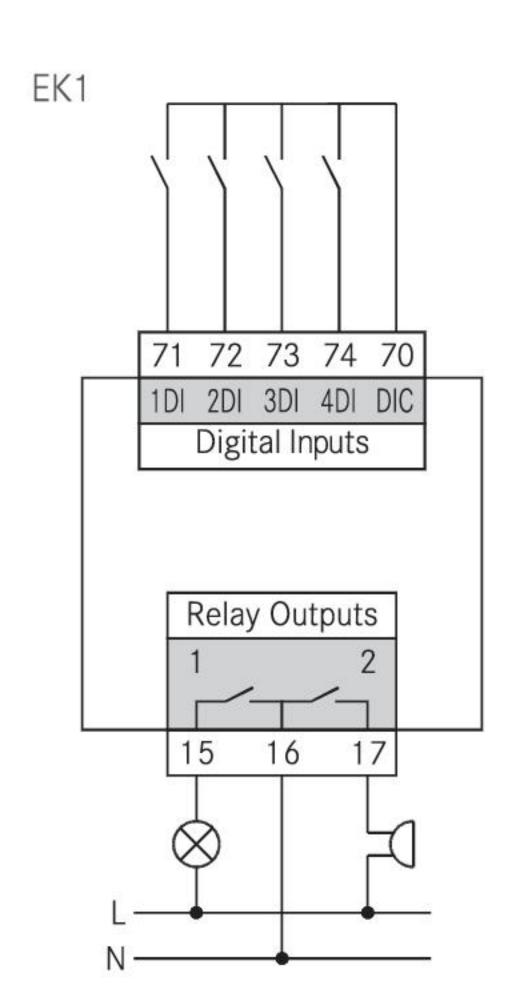


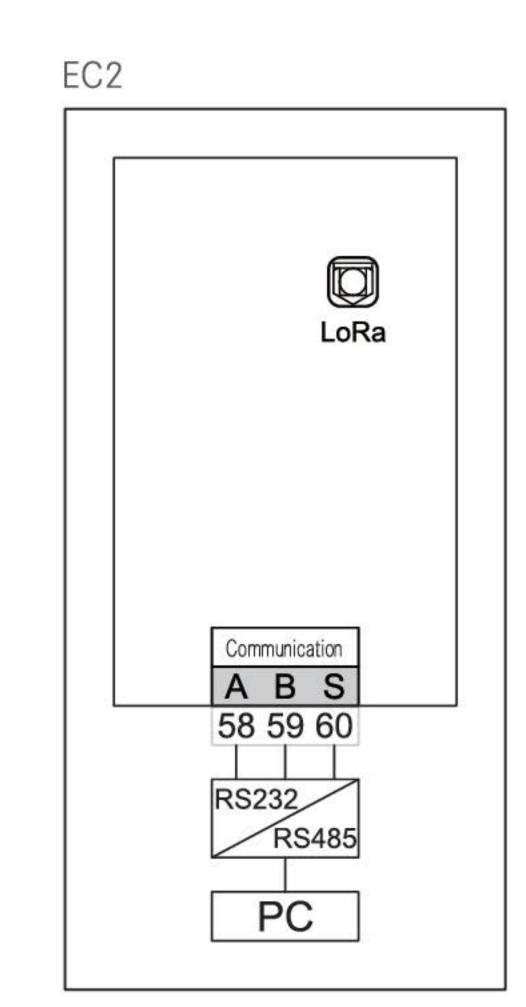


TYPICAL WIRING











TECHNICAL SPECIFICATION

Display Mode		LCD
	V/A	0.2%
	P/Q/S/PF	0.5%
Accuracy	F	±0.01Hz
	±kWh	Class 0.5S (Closed Type CT)
	±kvarh	Class 2
	Rated value	3×220V/380V
	Overload	Continuous: 1.2Vn Instantaneous: 2Vn/10s
Voltage Input	Burden	≤0.1VA (per phase)
	Impedance	≥1.7MΩ
	Frequency	45Hz~65Hz
	Rated value	External CT
	Overload	Continuous: 1.2In Instantaneous: 2In/5s
Current Input	Burden	≤0.2VA (per phase)
	Impedance	≤20m Ω
Auviliany Dawar Supply	Working range	AC 80~270V 50/60Hz, DC 100~350V
Auxiliary Power Supply	Consumption	≤5VA
	RS485	Modbus-RTU, 2-wire, up to 9600bps
Communication Port	LoRa, EC2 module	470MHz
	GPRS, EC4 module	850/900/1800/1900MHz
	NB-IoT, EC6 module	Band3/5/8
Energy Pulse Output		1 photocoupler output, pulse width (80±20%) ms
Optional Module (EK1)	Digital inputs	Dry digital inputs, Isolation: ≥2kVAC
Optional Module (EKT)	Relay outputs	Contact rated at AC 250V/5A or DC 30V/5A
	Operating temperature	-25°C ~70°C
	Storage temperature	-30 °C ~80 °C
Environment Conditions	Relative humidity	≤93%
	Altitude	≤2500m
Insulation	IEC61010-1	≥ 2kVAC
Certificate	CE	
Active energy	IEC61557-12	



SOLID CORE CT











Model	SHI-BCT05	SHI-BCT100	SHI-BCT200	SHI-BCT400	SHI-BCT600
Rated Current	5A	100A	200A	400A	600A
Maximum Current	10A	120A	240A	480A	720A
Accuracy	0.1%	0.1%	0.1%	0.1%	0.1%
Isolation Voltage	4kVAC	4kVAC	4kVAC	4kVAC	4kVAC
Operating Temperature	-40 °C ~70 °C	-40°C ~70°C	-40°C ~70°C	-40°C ~70°C	-40°C ~70°C
Storage Temperature	-40 °C ~70 °C	-40°C ~70°C	-40 °C ~70 °C	-40°C ~70 °C	-40 °C ~70 °C
Diameter(mm)	8	18	24	29	29
Dimension(mm)	28×18×44	36×20×59	60×20×80	75×22.5×95	75×22.5×95

SPLIT CORE CT











Model	SHI-SCT05	SHI-SCT100	SHI-SCT200	SHI-SCT400	SHI-SCT600
Rated Current	5A	100A	200A	400A	600A
Maximum Current	6A	120A	240A	480A	720A
Accuracy	1%	0.5%	0.5%	0.5%	0.5%
Isolation Voltage	4kVAC	4kVAC	4kVAC	4kVAC	4kVAC
Operating Temperature	-40°C ~70°C	-40 °C ~70 °C	-40°C ~70 °C	-40°C ~70 °C	-40 °C ~70 °C
Storage Temperature	-40°C ~70°C	-40°C ~70°C	-40 °C ~70 °C	-40 °C ~70 °C	-40°C ~70°C
Diameter(mm)	10	16	24	35	35
Dimension(mm)	29×27×42	30×31×53	44×39×70	57×41×84	57×41×84







Model	SHI-FCT600	SHI-FCT1000	SHI-FCT2000	SHI-FCT3000
Rated Current	600A	1000A	2000A	3000A
Range	60~720A	100~1200A	200~2400A	300~3600A
Accuracy	1%	1%	1%	1%
Operating Temperature	-20 °C ~70 °C			
Storage Temperature	-30℃~90℃	-30℃~90℃	-30 °C ~90 °C	-30℃~90℃
Diameter(mm)	65	95	95	95