

PD194Z-9E4A

- Real-time measurement
- Can be connected with split-core/closed type CT
- 4 three-phase /12 single-phase circuits measurement
- Energy metering



Accuracy

- U, I, Class 0.2
- P, Q, PF Class 0.5
- kWh Class 0.5S

Applications

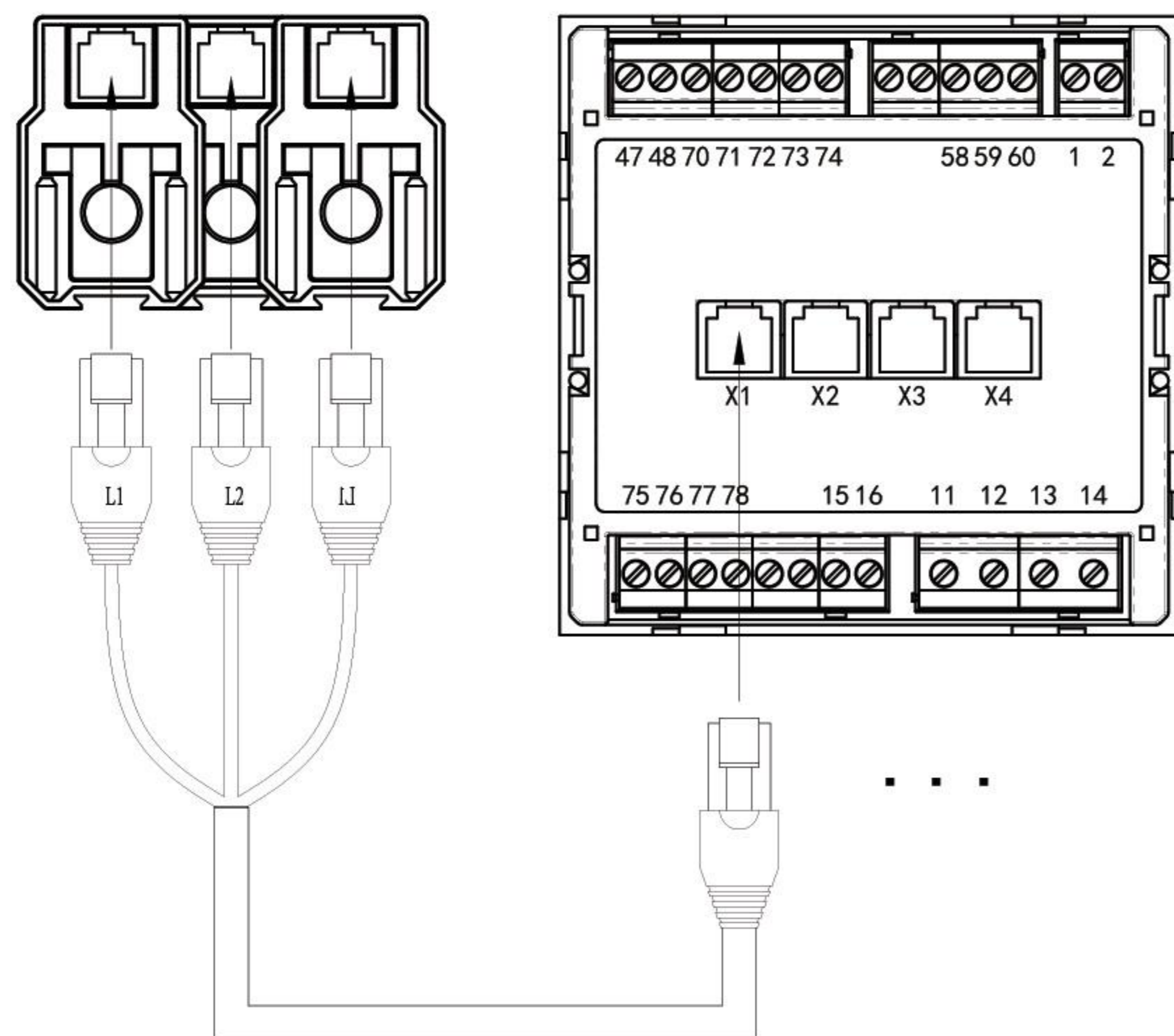
- Energy management
- Power monitoring

Comparison Table

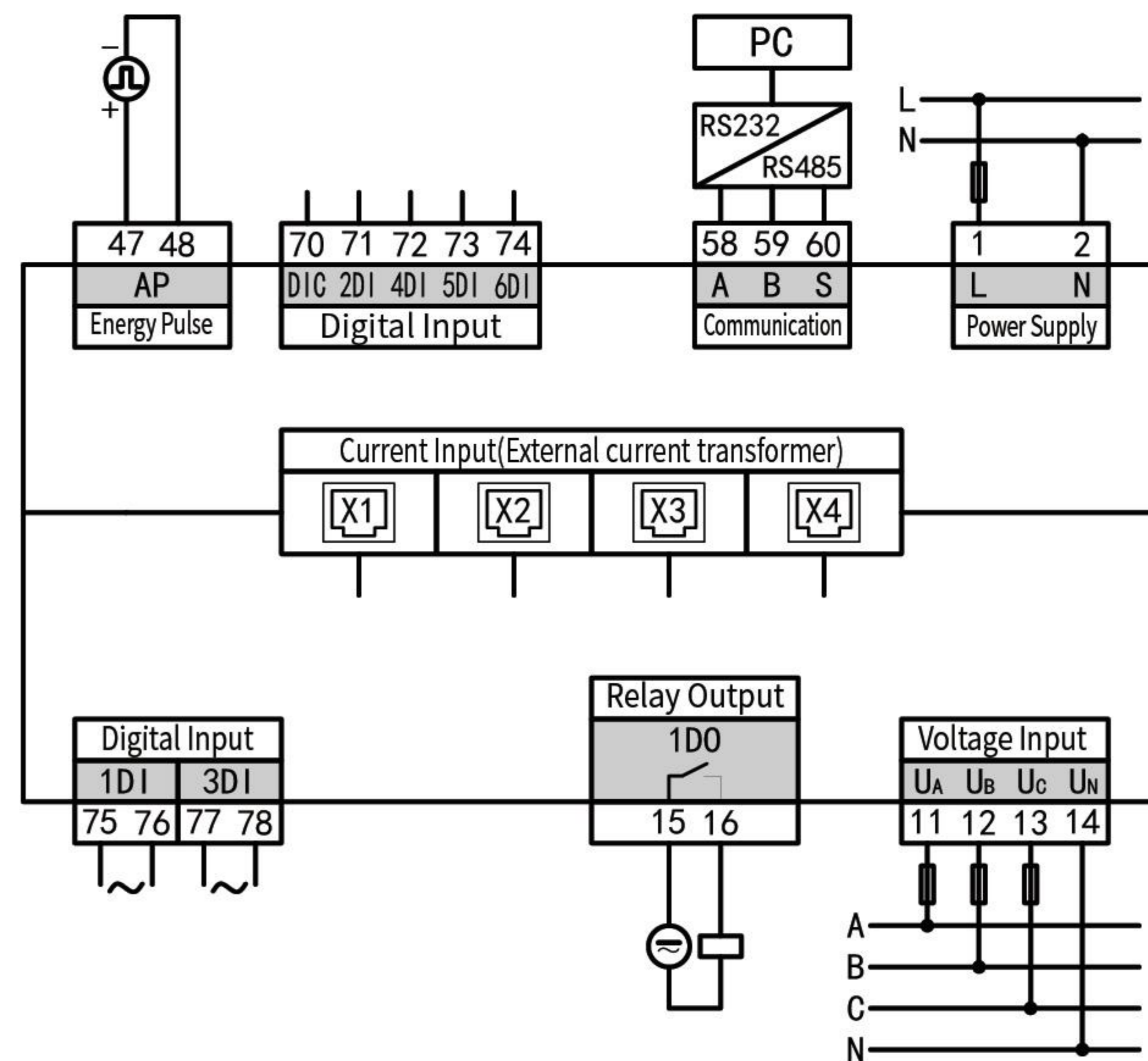
"●" Yes "—" No

Function		PD194Z-9E4A
Display method	LCD display	●
	U, I, P, Q, S, PF, Hz	●
Real-time measurement	Demand	●
	Max, Min	●
	Average value	●
Energy metering	Bi-directional active energy	●
	Bi-directional reactive energy	●
	Four-quadrant reactive energy	●
	Tariff energy (6 sets)	●
Power quality monitoring	THDi, THDu	●
	Individual harmonic component	2-31st
	Voltage unbalance	●
Input/Output	RS485	1
	Digital input	6
	Relay output	1
	Energy Pulse	●
Others	Limit alarm	●
	Freezing data	●

Dimensions



Typical Wiring



Technical Specification

Voltage input

Rated value	230/400VAC
Startup value	10V
Resolution	0.1 V
Impedance	$\geq 1.7 \text{ M}\Omega$ /phase
Power consumption	$\leq 0.1 \text{ VA}$ /phase
Overload	Continued: $1.2V_n$, Instant: $2V_n/1\text{min}$
Frequency	45Hz-65Hz

Environmental features

Operating temperature	-25°C - +70°C
Relative humidity	5%-95%RH, No condensation
Working altitude	$\leq 2000\text{m}$
Pollution level	2

Mechanical features

Dimension	96mm×96mm×83mm
IP	Front IP54, Back IP20

Security features

Measurement category	300V CAT III
Safety	IEC 61010-1, Double insulation

Current input

Rated value	100A, 200A, 400A, 600A
Impedance	$\leq 20\text{m}\Omega$ /phase
Power consumption	$\leq 0.2 \text{ VA}$ /phase
Overload	Continued : $2I_n$, Instant : $20I_n/1\text{s}$

Relay output

Quantity	1
Contact rating	AC 250V/5A or DC30V/5A (AC1)

Digital input

Number of channels	6
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Auxiliary power

Voltage	AC/DC 80V-270V
Power consumption	$\leq 5\text{VA}$

Communication Interface

Default	One RS485 Modbus-RTU
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Real Time Clock

Clock drift	$\leq 0.5\text{s/day}$
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Standard

IEC 61557-12	IEC62053-22	IEC 61010-1	IEC 61326-1
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