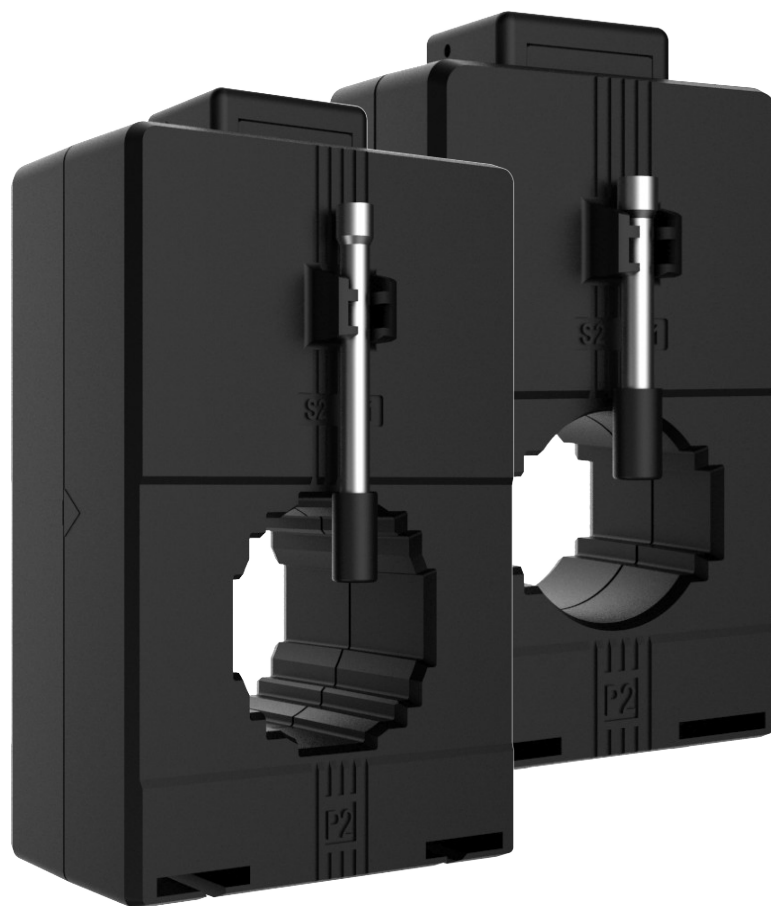




Data Sheet

Single Phase RJ 12 CT Current Transformer



Measure



Control



Record



Analyze



Optimize

Features

- Transmission of measuring signal to the measuring unit via RJ12 connection cable.
- RJ12 socket for fast connection eliminate wiring errors
- Various mounting options like bus bar mounting, wall mounting, Universal din-rail mounting.
- Sealing cap for tamper-proof connection.

Single Phase RJ12 CT Models

- RJ12-62-40 (40)
- RJ12-62-30 (40)
- RJ12-50-30 (30)
- RJ12-50-21 (30)

Input & Output

- Primary Current 50A to 800A.
- Secondary Current output 100mA (Standard).

Specification

Applicable Standard	IEC-61869-1&2/IEC-60044-1, BS 3938, IS 16227-1&2.
Case	Polycarbonate, Flame retardant grade classified UL94V-0
Connection	RJ 12 Connecton
Insulation Class	E (120°C)
Highest voltage for equipment (Um)	0.72 KV Maximum
Test Voltage	3kV, 50 Hz for 1 minute
Rated frequency (fr)	50/60 Hz
Rated primary current (Ipr)	50A-800A
Rated secondary current (Isr)	100mA
Rated continuous thermal current (Icth)	120% of Ipr
Rated Burden	1VA - 15 VA
Class of Accuracy	0.5, 1.0
Instrument Security Factor (FS)	5, 10 & 15.....(depends on VA Burden)
Operating Temperature	-25°C to +40°C
Storage Temperature	-50°C to +80°C
Rated short-time thermal current (Ith)	40 x In
Rated dynamic (peak withstand) current (Idyn)	2.5 x Ith
Open-Circuit Protection	Yes



Measure



Control



Record

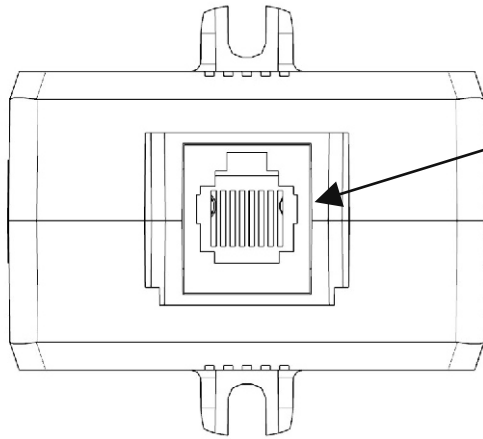


Analyze

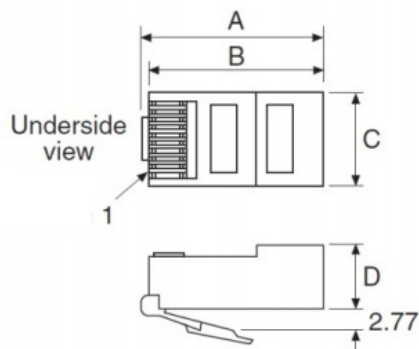
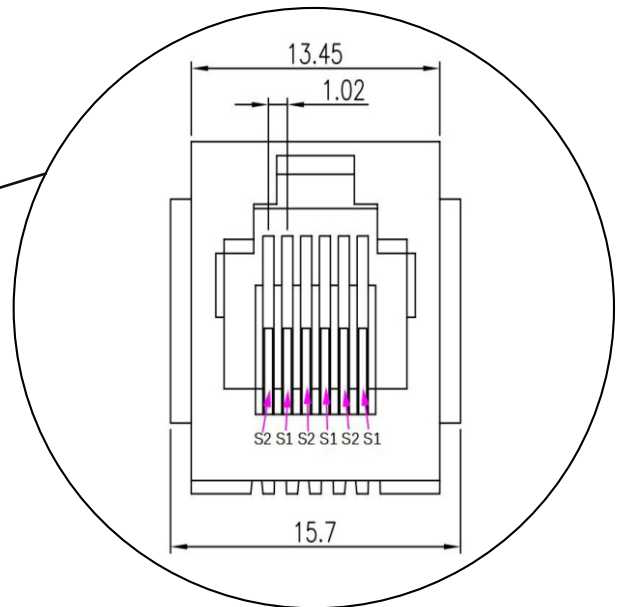


Optimize

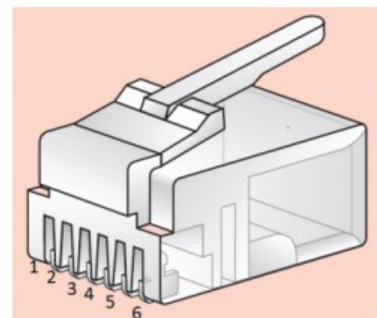
RJ12 Connector 1P RJ12 CT :



Top view (CT)



Ways	A	B	C	D
6	13.35	12.43	9.65	6.6



PIN NUMBER	1, 3, 5.	2, 4, 6.
CT Side	S1	S2

*Note:

1. Pin number 1, 3, 5 are shorted.
2. Pin number 2, 4, 6 are shorted.



Measure



Control



Record

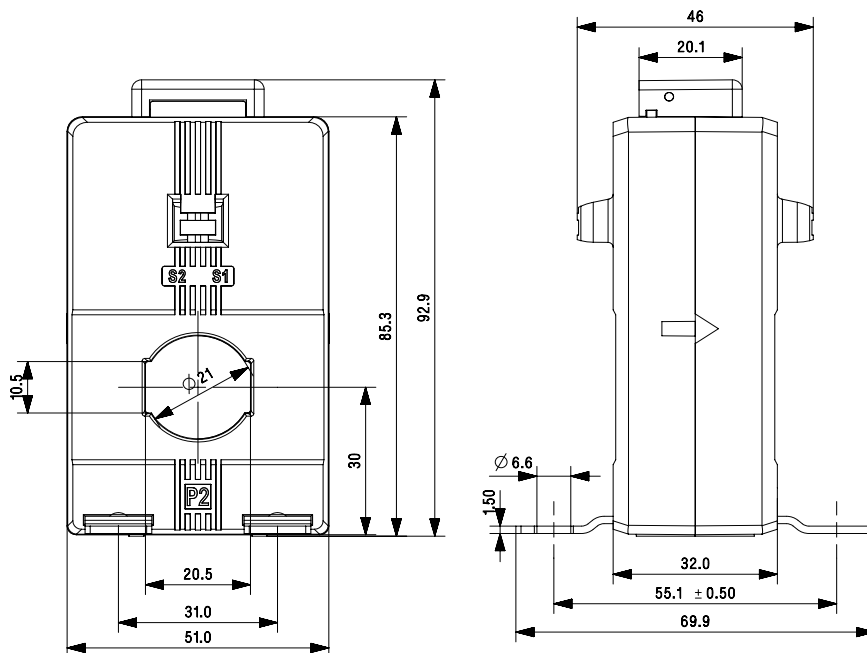
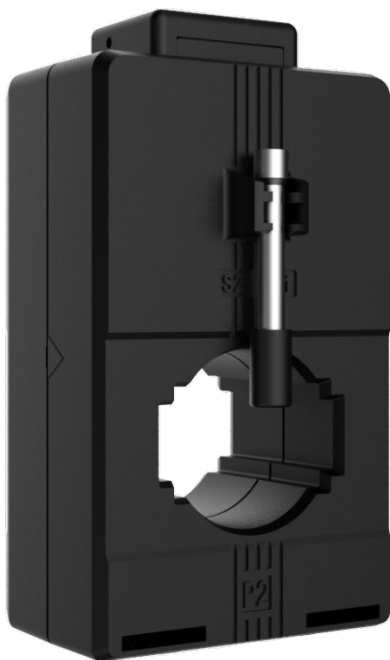


Analyze



Optimize

RISH 1P RJ12 50-21 (30)



Primary Current (A)	Secondary Current (A)	Burden (VA)	Class	Burden (VA)	Class
50	0.1	1	1	--	0.5
60	0.1	1	1	--	0.5
75	0.1	1.5	1	--	0.5
80	0.1	2.5	1	1	0.5
100	0.1	2.5	1	1.5	0.5
120	0.1	2.5	1	2.5	0.5
125	0.1	3.75	1	2.5	0.5
150	0.1	5	1	2.5	0.5
200	0.1	5	1	3.75	0.5
250	0.1	5	1	5	0.5
300	0.1	7.5	1	5	0.5
400	0.1	7.5	1	5	0.5



Measure



Control



Record

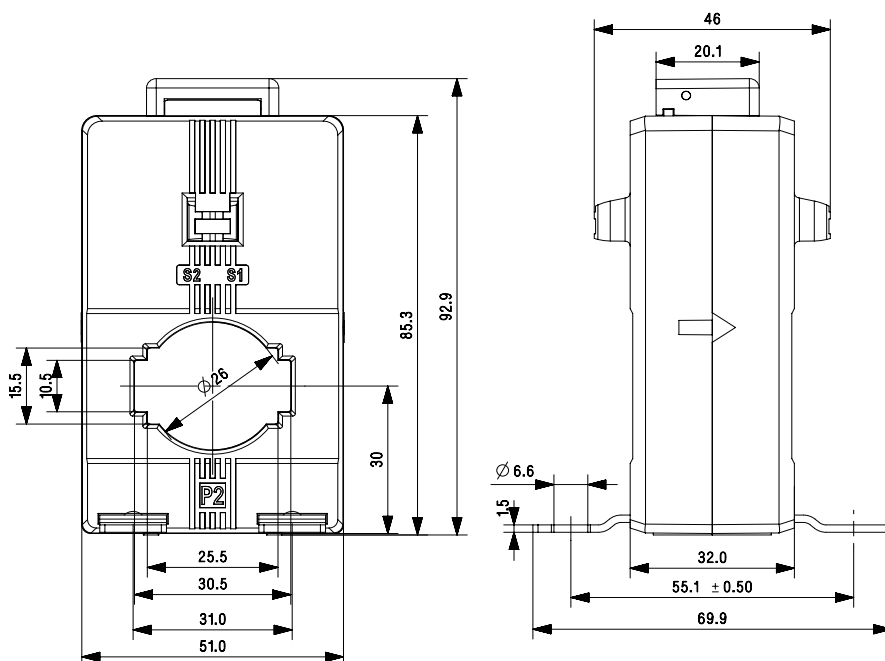
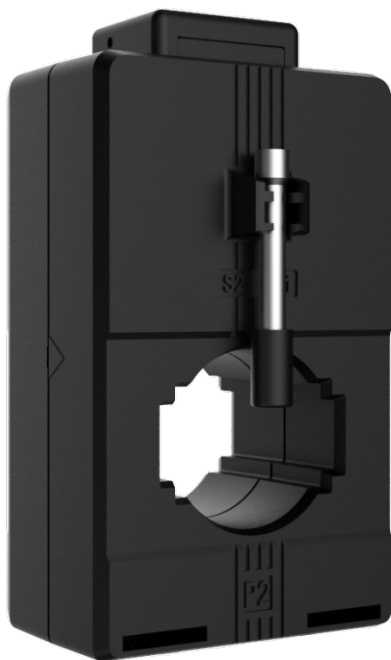


Analyze



Optimize

RISH 1P RJ12 50-30 (30)



Primary Current (A)	Secondary Current (A)	Burden (VA)	Class	Burden (VA)	Class
75	0.1	1	1	--	--
80	0.1	1.5	1	--	--
100	0.1	2.5	1	1	0.5
120	0.1	2.5	1	1	0.5
125	0.1	2.5	1	1	0.5
150	0.1	3.75	1	2.5	0.5
200	0.1	5	1	2.5	0.5
250	0.1	5	1	5	0.5
300	0.1	5	1	5	0.5
400	0.1	6.25	1	5	0.5
500	0.1	6.25	1	5	0.5
600	0.1	7.5	1	5	0.5



Measure



Control



Record

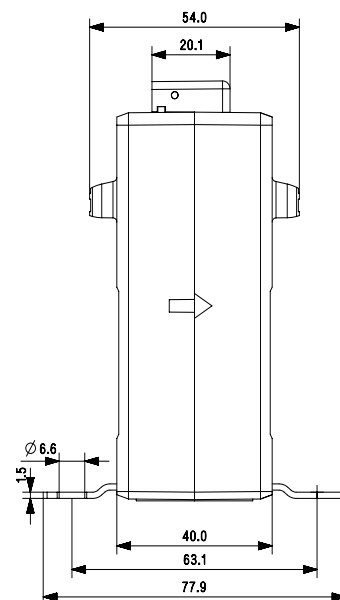
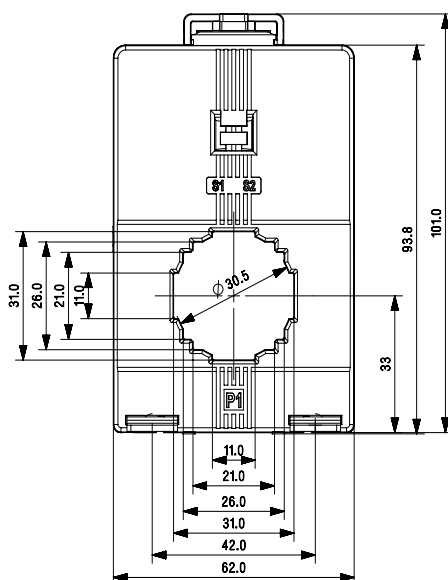
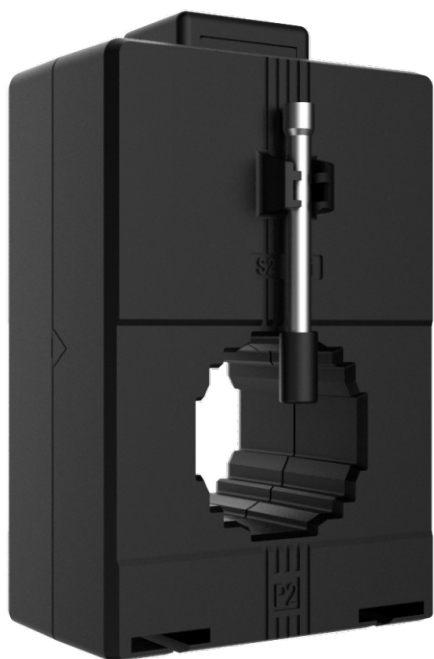


Analyze



Optimize

RISH 1P RJ12 62-30 (40)



Primary Current (A)	Secondary Current (A)	Burden (VA)	Class	Burden (VA)	Class
50	0.1	1.25	1	--	--
60	0.1	1.5	1	--	--
75	0.1	2.5	1	--	--
80	0.1	2.5	1	--	--
100	0.1	3.75	1	1.5	0.5
120	0.1	3.75	1	2.5	0.5
125	0.1	3.75	1	2.5	0.5
150	0.1	7.5	1	3.75	0.5
200	0.1	10	1	5	0.5
250	0.1	10	1	5	0.5
300	0.1	15	1	10	0.5
400	0.1	15	1	12.5	0.5
500	0.1	15	1	12.5	0.5
600	0.1	15	1	15	0.5
750	0.1	15	1	15	0.5
800	0.1	15	1	15	0.5



Measure



Control



Record

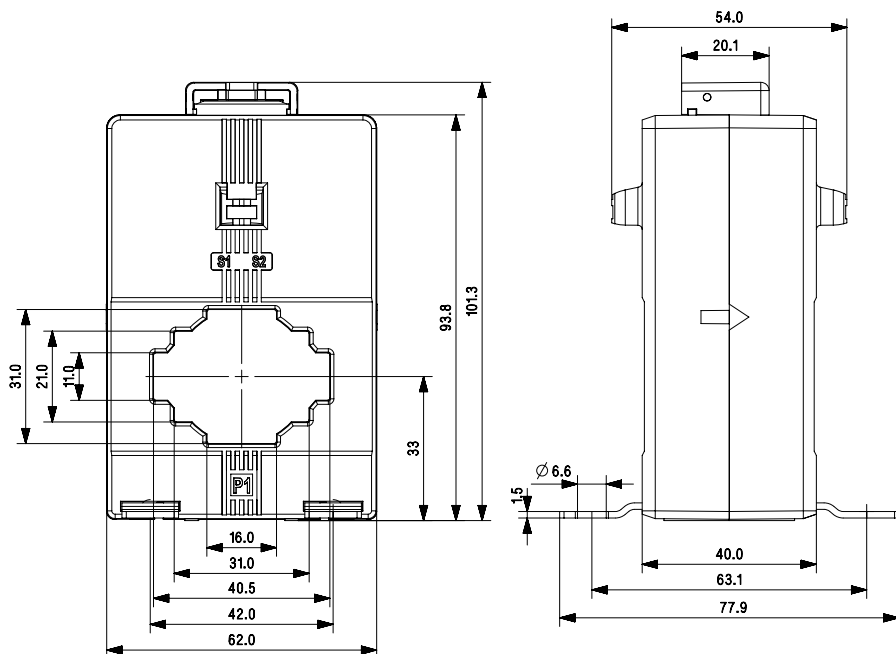


Analyze



Optimize

RISH 1P RJ12 62-40 (40)



Primary Current (A)	Secondary Current (A)	Burden (VA)	Class	Burden (VA)	Class
100	0.1	1.5	1	--	--
120	0.1	1.5	1	--	--
125	0.1	1.5	1	--	--
150	0.1	2.5	1	--	--
200	0.1	3.75	1	1.5	0.5
250	0.1	5	1	2.5	0.5
300	0.1	5	1	5	0.5
400	0.1	5	1	5	0.5
500	0.1	7.5	1	5	0.5
600	0.1	10	1	7.5	0.5
750	0.1	10	1	10	0.5
800	0.1	10	1	10	0.5



Measure



Control



Record



Analyze

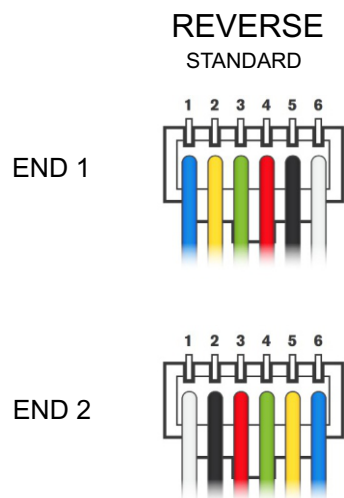
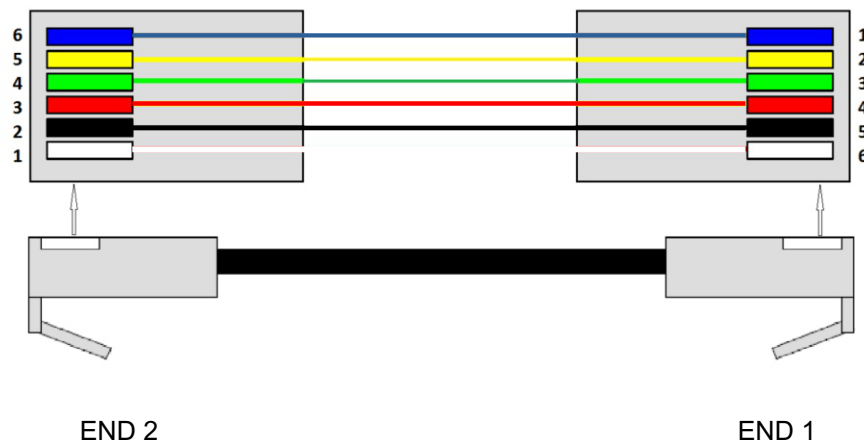


Optimize

RJ12 Cable Specifications:

- Cable length : 2m (Standard)
- Size of Conductor : 26 AWG stranded copper wire
- Temperature, MaxUp to 60°C
- Flame retardant material
- Black Insulation cable
- Pinned-straight
- Designed for RJ plugs
- Insulation : Polypropylene
- Thickness :- 2.4 +/- .2
- Jacket : PVC
- Voltage : Max150V

* 3m cable on request



Measure



Control



Record

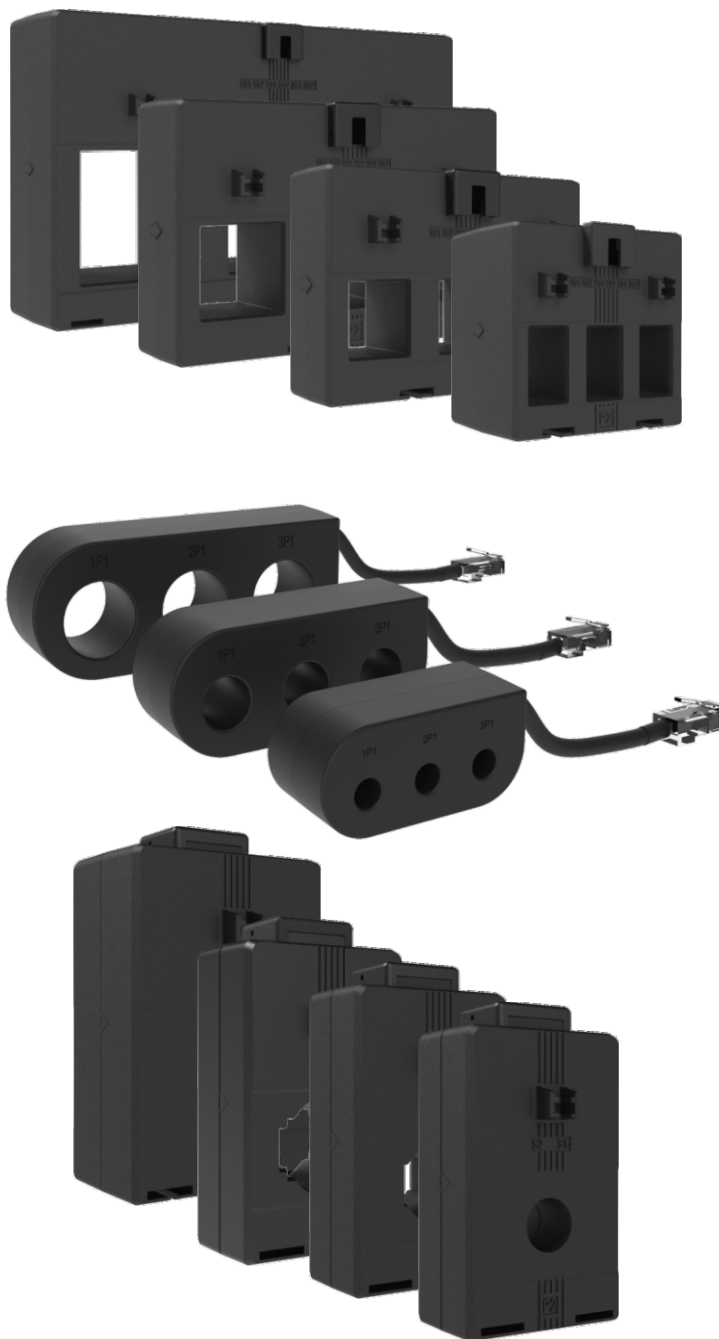


Analyze



Optimize

RJ12 CT Ranges



Single Phase RJ12 CT 

Nano CT 

Three Phase RJ12 CT 



Measure



Control



Record



Analyze



Optimize

Ordering Information

Product Code	XJXX -	XX	X	XX	X	X	000000
Type	RISH 1P RJ12 50-21 (30)	XJ52					
	RISH 1P RJ12 50-30 (30)	XJ53					
	RISH 1P RJ12 62-30 (40)	XJ63					
	RISH 1P RJ12 62-40 (40)	XJ64					
Primary Current	XJ52 (50 ~ 400 A)	02 ~ 13					
	XJ53 (75 ~ 600 A)	04 ~ 15					
	XJ63 (50 ~ 800 A)	02 ~ 17					
	XJ64 (100 ~ 800 A)	06 ~ 17					
Secondary Current	100 mA	3					
VA	XJ52 (1 ~ 7.5 VA)	01 ~ 06					
	XJ53 (1 ~ 7.5 VA)	01 ~ 07					
	XJ63 (1.25 ~ 20 VA)	02 ~ 12					
	XJ64 (1.5 ~ 10 VA)	02 ~ 07					
Accuracy Class	1	1					
	0.5	5					
Colour	Black	B					
	Gray	G					

Example :

Sr.No	Description	Ordering Code
1	RISH 1P RJ12 50-21 (30) 50/100 mA, 1 VA, CL 1 (Black)	XJ52-023011B000000
2	RISH 1P RJ12 62-40 (40) 800/100 mA, 10 VA, CL 0.5 (Grey)	XJ64-173075G000000



Measure



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Specifications may change without prior notice



Measure



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