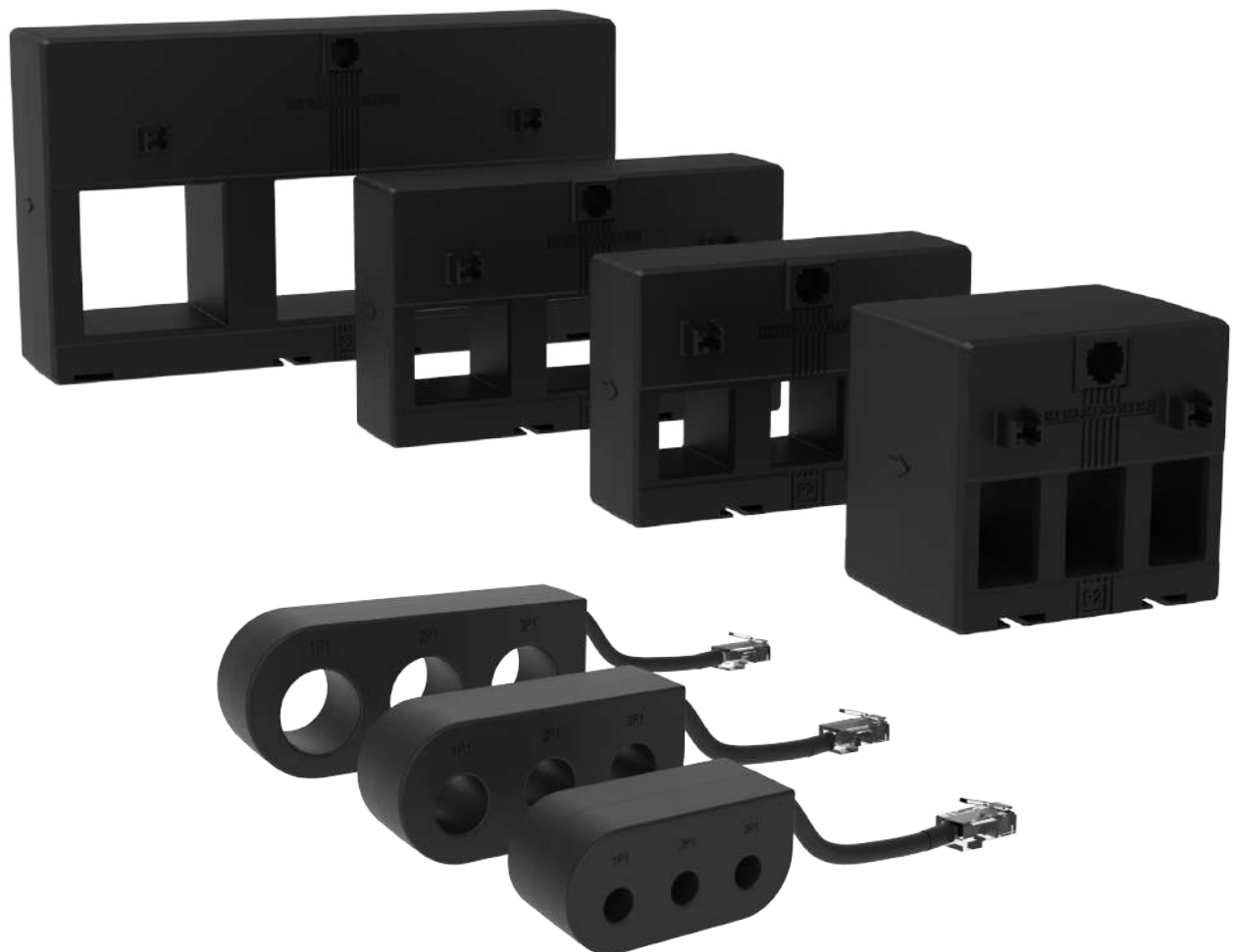




Data Sheet

RISH XMER 3 Phase RJ12 Series

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.
- 3 Phase current transformer have been designed with hole centers and apertures to fit most standard industrial circuit breakers.
- Various mounting options like bus bar mounting, wall mounting, universal din rail mounting.

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 Connection
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 Hz
Rated primary current (Ipr)	60 A to 800 A (RJ12-75 / 105 / 140 / 215) 63 A, 125 A and 250A (RJ12-65 / 90 / 116)
Rated secondary current (Isr)	0.1A
Rated Burden	0.25VA, 0.5VA (RJ12-75 / 105 / 140 / 215) 0.1VA (RJ12-65 / 90 / 116)
Class of Accuracy	1.0 (RJ12-75 / 105 / 140 / 215) 0.5 (RJ12-65 / 90 / 116)
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
Rated continuous thermal current (Icth)	120% of Ipr
Open-Circuit Protection	Yes*

RJ12 Cable Specifications

- Cable length : 2m max for RJ12-75 / 105 / 140 / 215 CT
1.5m max for RJ12-65 / 90 / 116 CT
- Conductor : 26 AWG stranded bare copper
- Insulation : Polypropylene
- Thickness:- 2.4 +/- .2 *
- Color-coded : White - Black - Red - Green - Yellow - Blue
- Jacket : PVC
- Voltage : Max150V
- Size of Conductor 26 AWG stranded copper wire
- Temperature, MaxUp to 60°C
- Flame retardant material
- Silver satin cable
- Pinned-straight
- Designed for RJ plugs

* Not applicable to RJ12-65 / 90 / 116 CT



Measure



Control



Record



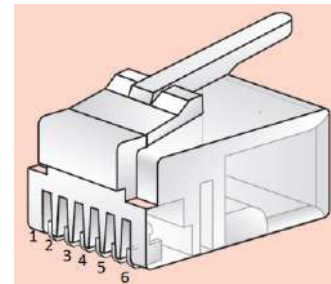
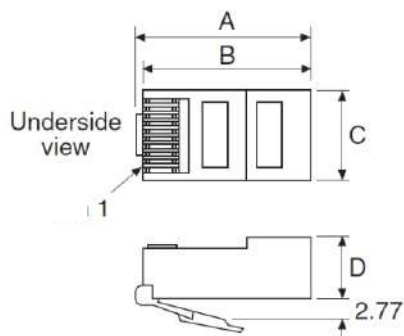
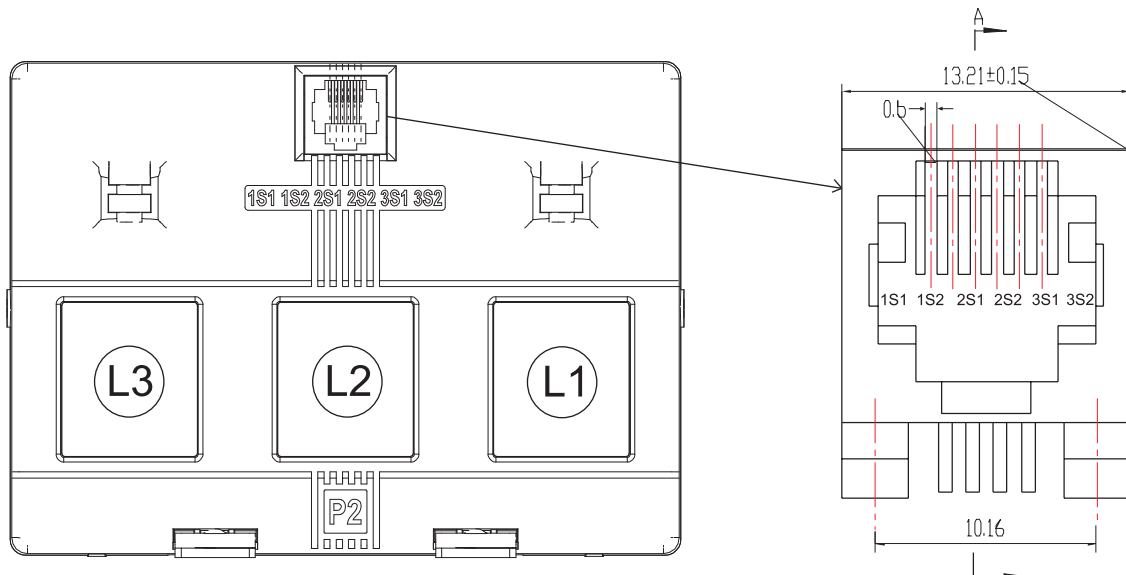
Analyze



Optimize

RJ12 Connector :

- Insulation resistance : 1000 megaohms
- RJ12 Connector Dimension



Ways	A	B	C	D
6	13.35	12.43	9.65	6.6

Pin Connection	1	2	3	4	5	6
Meter side	3S2	3S1	2S2	2S1	1S2	1S1
CT Side	1S1	1S2	2S1	2S2	3S1	3S2



Measure



Control



Record



Analyze

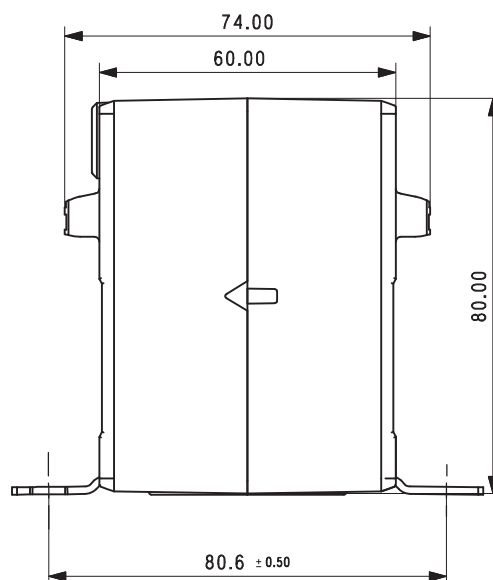
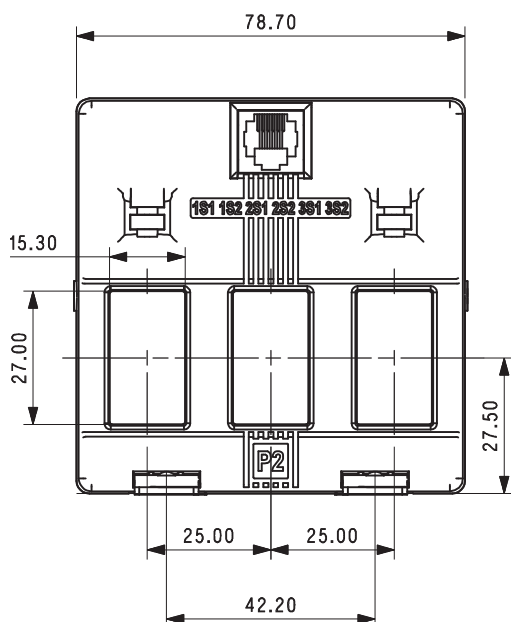


Optimize

RISH XMER RJ12-75



Primary Current	Secondary Current	RJ12 - 75
		Accuracy
		1.0
60 A	0.1 A	0.25 VA
100 A	0.1 A	0.25 VA
125 A	0.1 A	0.25 VA
160 A	0.1 A	0.25 VA



All dimensions are in mm



Measure



Control



Record

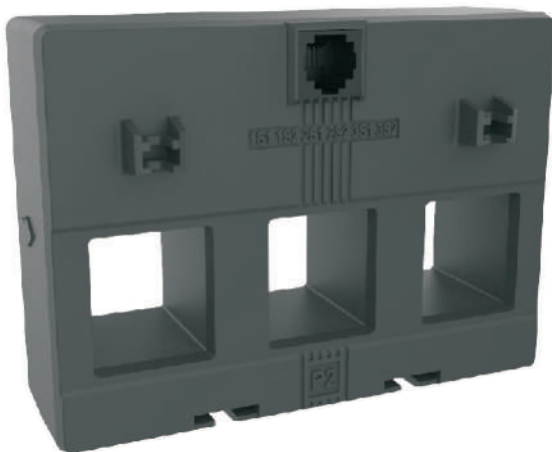


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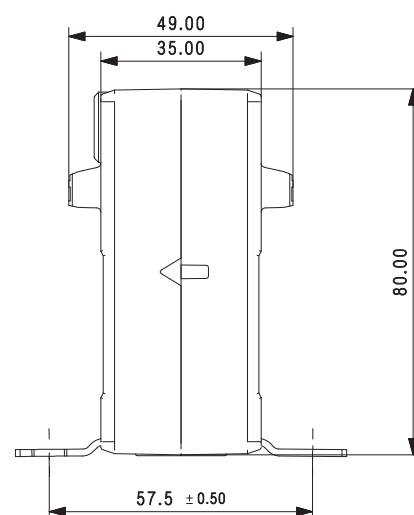
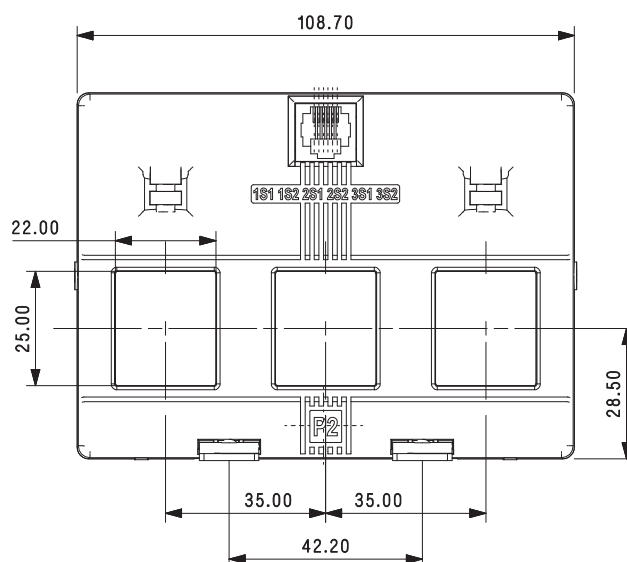


Optimize

RISH XMER RJ12-105



Primary Current	Secondary Current	RJ12 - 105
		Accuracy
		1.0
60 A	0.1 A	0.25 VA
125 A	0.1 A	0.35 VA
160 A	0.1 A	0.5 VA
250 A	0.1 A	0.5 VA



All dimensions are in mm



Measure



Control



Record

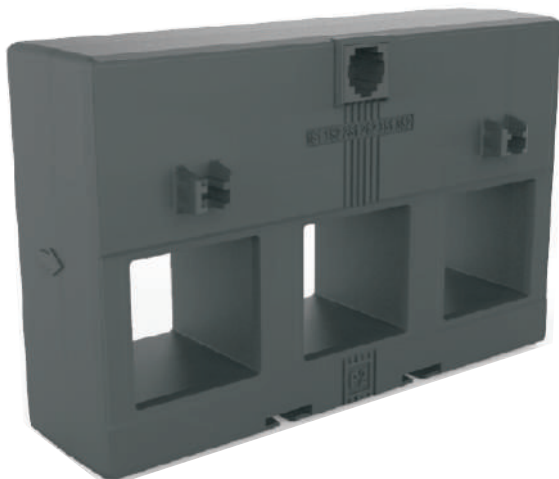


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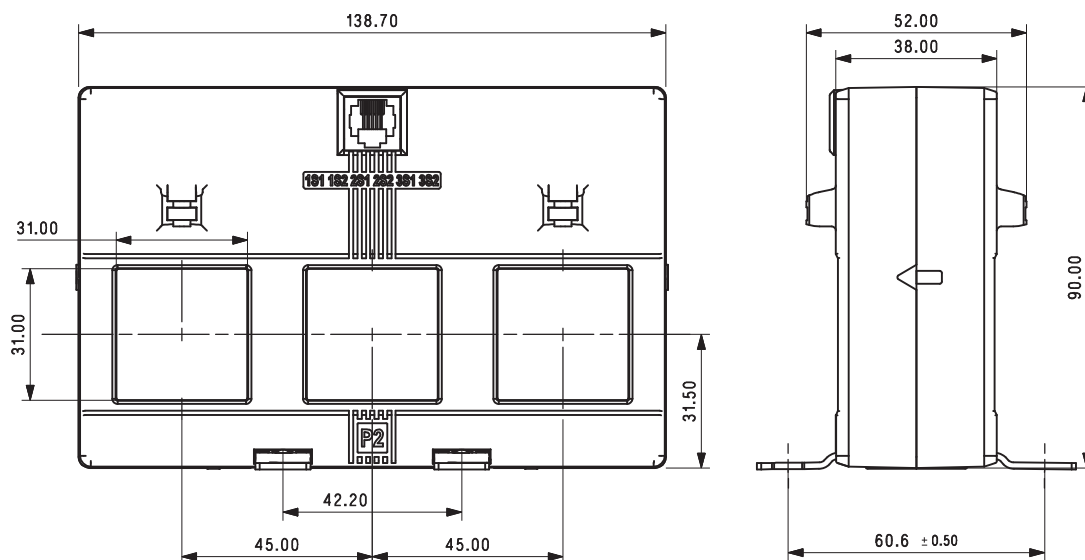


Optimize

RISH XMER RJ12-140



Primary Current	Secondary Current	RJ12 - 140
		Accuracy
		1.0
250 A	0.1 A	0.25 VA
400 A	0.1 A	0.25 VA
630 A	0.1 A	0.25 VA



Measure



Control



Record

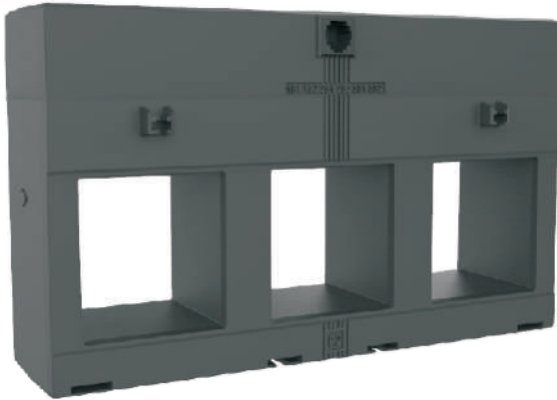


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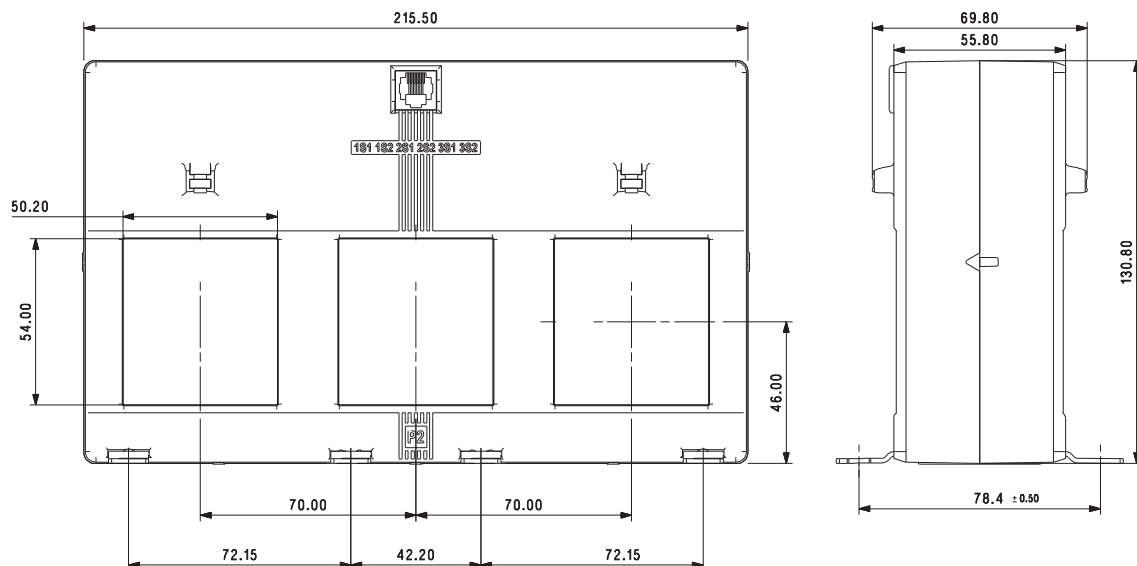


Optimize

RISH XMER RJ12-215



Primary Current	Secondary Current	RJ12 - 215
		Accuracy
		1.0
750 A	0.1 A	0.5 VA
800 A	0.1 A	0.5 VA



All dimensions are in mm



Measure



Control



Record

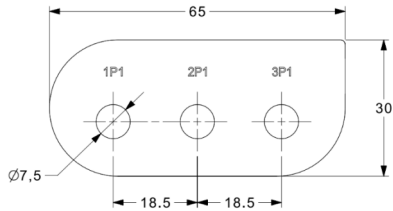


Analyze



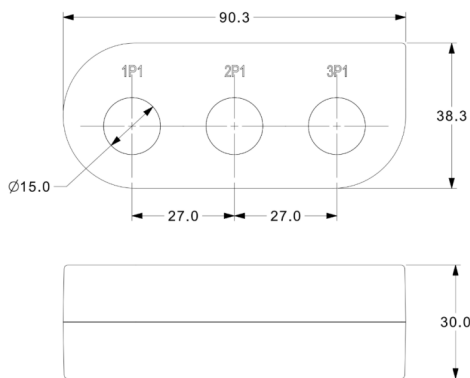
Optimize

RISH XMER RJ12-65 / 90 / 116



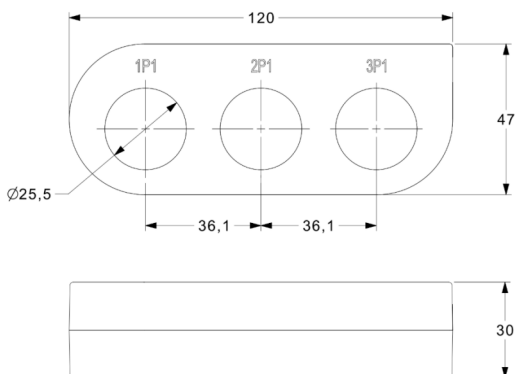
RJ 12 - 65 : 63 A

Sec. output 100mA
Burden 0.1VA,
Accuracy 0.5



RJ 12 - 90 : 125 A

Sec. output 100mA
Burden 0.1VA,
Accuracy 0.5



RJ 12 - 116 : 250 A

Sec. output 100mA
Burden 0.1VA,
Accuracy 0.5

All dimensions are in mm



Measure



Control



Record



Analyze



Optimize

Ordering Information

Order Code for RJ12 - 75

Product code	XRJ	X	XX	X	X	X	X	0000000
Type	RJ 12-75	1						
Primary Current	60 A	01						
	100 A	02						
	125 A	03						
	160 A	04						
Secondary Output	0.1 A	2						
VA	0.25 VA	A						
Accuracy Class	1	1						
Colour	Black	B						
	Grey	G						

*Example : RJ12-75, 125/0.1A, Class 1, Gray : XRJ1-032A1G0000000

Order Code for RJ12 - 105

Product code	XRJ	X-	XX	X	X	X	X	0000000
Type	RJ 12-105	2						
Primary Current	60 A	01						
	125 A	03						
	160 A	04						
	250 A	05						
Secondary Output	0.1 A	2						
VA	0.25 VA	A						
	0.35 VA	B						
	0.5 VA	C						
Accuracy Class	1	1						
Colour	Black	B						
	Grey	G						

*Example : RJ12-105, 160/0.1, 0.35VA, Class 1, Black: XRJ2-042B1B0000000



Measure



Control



Record



Analyze



Optimize

Ordering Information

Order Code for RJ12 - 140

Product code	XRJ	X	XX	X	X	X	X	0000000
Type	RJ 12-140	3						
Primary Current	250 A		05					
	400 A		06					
	630 A		07					
Secondary Output	0.1 A		2					
VA	0.25 VA			A				
Accuracy Class	1				1			
Colour	Black						B	
	Grey						G	

*Example : RJ12-140, 400/0.1A, 0.25 VA, Class 1, Gray : XRJ3-062A1G0000000

Order Code for RJ12 - 215

Product code	XRJ	X-	XX	X	X	X	X	0000000
Type	RJ 12-215	4						
Primary Current	750 A		08					
	800 A		09					
Secondary Output	0.1 A		2					
VA	0.5 VA			C				
Accuracy Class	1				1			
Colour	Black						B	
	Grey						G	

*Example : RJ12-215, 750/0.1 A, 0.5VA, Class 1, Black: XRJ4-082C1B0000000



Measure



Control



Record



Analyze



Optimize

Ordering Information

Order Code for RJ12 - 65 / 90 / 116

Product Code	X30X	XXX	XX	X	X	X	X	XX	XX
Type	RJ12-65 63 A	X308							
	RJ12-90 125 A	X306							
	RJ12-116 250 A	X307							
Primary Current	63 A	063							
	125 A	125							
	250 A	250							
Secondary Current	100 mA		10						
VA	0.1 VA			1					
Accuracy Class	0.5				1				
Colour	Black					B			
	Gray					G			
Company Code	RISHABH						R		
	Other						L		
Reserved								RJ	
Customer Specific									00

Example :

Sr.No	Description	Ordering Code
1	NanoCT RJ12 65/8 63/100 mA, 0.1VA, CL0.5	X308-0631011BRRJ00
2	NanoCT RJ12 90/15 125/100 mA, 0.1VA, CL 0.5	X306-1251011GLRJ00
3	NanoCT RJ12 116/26 250/100 mA, 0.1VA, CL 0.5	X307-2501011GRRJ00



Measure



Control



Record

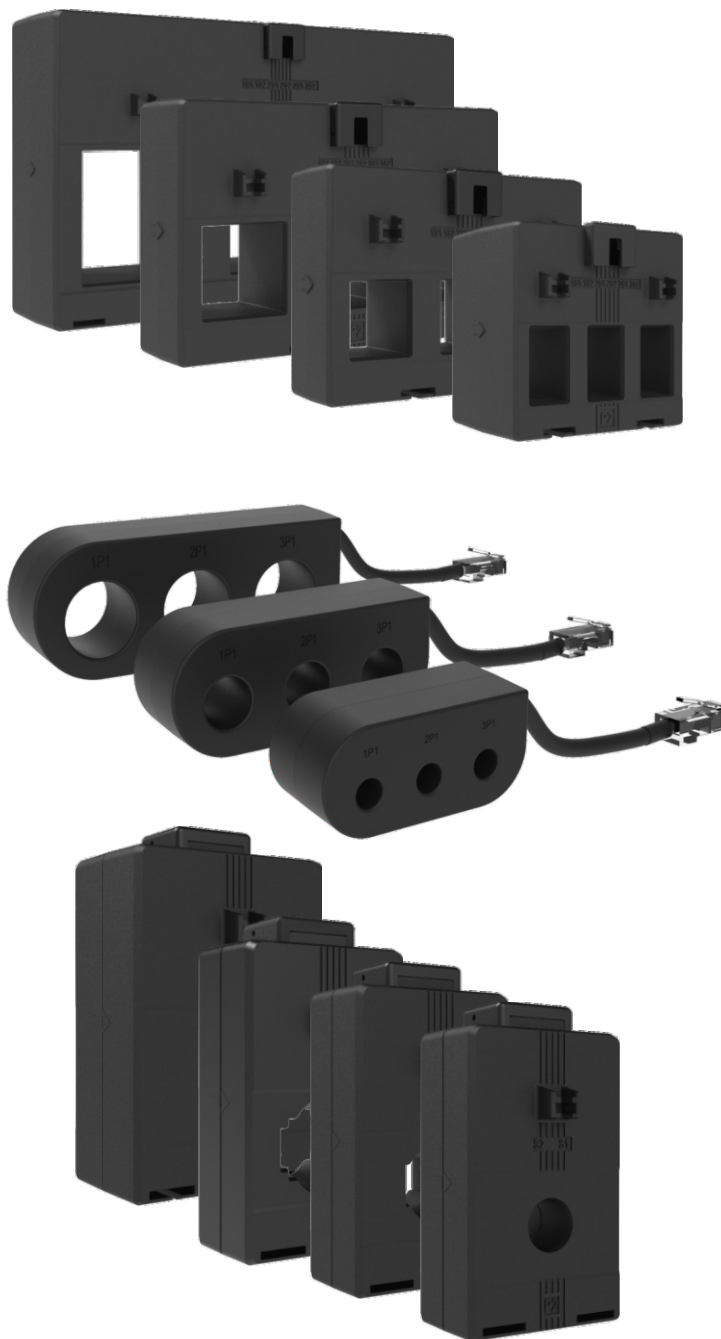


Analyze



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RJ12 CT Ranges



Single Phase RJ12 CT 

Nano CT 

Three Phase RJ12 CT 



Measure



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Record



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RISHABH

Specifications may change without prior notice



Measure



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