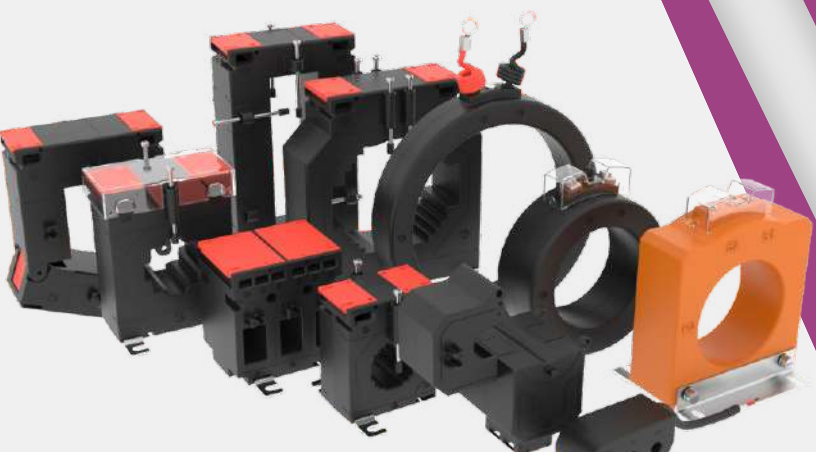
RISHABH

CURRENT TRANSFORMERS (LV)

CATALOG



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Delivering Productive Technology

Overview

CT Ranges

Sr.No.	CT Type	Window Size (mm)	Primary Current Ratings	VA Ratings	Class Of Accuracy	Page No.
1	RISH Xmer 62/W(40)	---	1A to 30A	1VA to 5VA	0.2, 0.5, 1	06
2	RISH Xmer 74/W(40)	---	1A to 60A	1.5VA to 10VA	0.2, 0.5, 1	06
3	RISH Xmer 45/14(40)	14 Ø	30A to 300A	1VA to 10VA	0.5, 1	07
4	RISH Xmer 45/21(40)	21 x 10	50A to 400A	1VA to 5VA	0.5, 1	07
5	RISH Xmer 50/14(30)	14 Ø	40A to 300A	1VA to 7.5VA	0.5, 1	08
6	RISH Xmer 50/14(50)	14 Ø	30A to 300A	1VA to 12.5VA	0.5, 1	09
7	RISH Xmer 50/21(30)	20.5 x 10.5	50A to 400A	1VA to 7.5VA	0.5, 1	08
8	RISH Xmer 50/21(50)	20.5 x 10.5	50A to 400A	1VA to 15VA	0.5, 1	09
9	RISH Xmer 50/30(30)	30.5 x 10.5	75A to 600A	1VA to 7.5VA	0.5, 1	08
10	RISH Xmer 50/30(50)	30.5 x 10.5	50A to 600A	1VA to 15VA	0.5, 1	09
11	RISH Xmer 62/20(40)	20.5 x 12.5	50A to 500A	1.5VA to 15VA	0.2S, 0.2, 0.5S, 0.5, 1	10
12	RISH Xmer 62/30(40)	31 x 11	50A to 800A	1VA to 15VA	0.2S, 0.2, 0.5S, 0.5, 1	11
13	RISH Xmer 62/30(50)	30 x 10.5	50A to 800A	1.25VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	11
14	RISH Xmer 62/40(40)	40.5 x 11	100A to 800A	1VA to 10VA	0.2S, 0.2, 0.5S, 0.5, 1	11
15	RISH Xmer 62/R(40)	22 Ø	50A to 600A	1.5VA to 15VA	0.2S, 0.2, 0.5S, 0.5, 1	10
16	RISH Xmer 74/20(45)	21 x 11	40A to 500A	1VA to 20VA	0.2S, 0.2, 0.5S, 0.5, 1	12
17	RISH Xmer 74/30(45)	31 x 15	40A to 800A	1.5VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	12
18	RISH Xmer 74/40(45)	41 x 12.5	40A to 1000A	1VA to 20VA	0.2S, 0.2, 0.5S, 0.5, 1	13
19	RISH Xmer 74/50(45)	51 x 12.5	100A to 1000A	1.5VA to 15VA	0.2S, 0.2, 0.5S, 0.5, 1	13
20	RISH Xmer 86/40(45)	41 x 11	50A to 1000A	1.5VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	14
21	RISH Xmer 86/50(45)	51 x 12.5	100A to 1250A	1VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	14
22	RISH Xmer 86/60(45)	61 x 12.5	100A to 1600A	1VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	14
23	RISH Xmer 100/100V(45)	41 x 103	400A to 2500A	2.5VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	23
24	RISH Xmer 100/130V(45)	38 x 128	400A to 3200A	2.5VA to 30VA	0.2, 0.5, 1	24
25	RISH Xmer 104/60(45)	61 x 12.5	100A to 1600A	1VA to 45VA	0.2S, 0.2, 0.5S, 0.5, 1	15
26	RISH Xmer 104/80(45)	81 x 12.5	200A to 2000A	1.5VA to 30VA	0.2S, 0.2, 0.5S, 0.5, 1	15
27	RISH Xmer 130/100(50)	101 x 56	600A to 3000A	2.5VA to 15VA	0.2S, 0.2, 0.5S, 0.5, 1	16
28	RISH Xmer 140/100H(45)	101 x 31	200A to 4000A	1.5VA to 60VA	0.2S, 0.2, 0.5S, 0.5, 1	17
29	RISH Xmer 140/100V(45)	31 x 101	200A to 3000A	1.5VA to 60VA	0.2S, 0.2, 0.5S, 0.5, 1	17
30	RISH Xmer 140/130V(45)	70 x 130	400A to 5000A	3.75VA to 20VA	0.2, 0.5, 1	17
31	RISH Xmer 140/80(45)	81 x 31	200A to 2000A	1.5VA to 60VA	0.2S, 0.2, 0.5S, 0.5, 1	17
32	RISH Xmer 225/125(50)	125 x 93	600A to 6000A	5VA to 100VA	0.2S, 0.2, 0.5S, 0.5, 1	18
33	RISH Xmer 225/167(50)	167 x 66	1000A to 7500A	3.75VA to 45VA	0.2S, 0.2, 0.5S, 0.5, 1	18
34	RISH Xmer 93/30SC(40)	23 x 33	100A to 400A	1.5VA to 10VA	0.5, 1, 3	19
35	RISH Xmer 105/50SC(50)	43 x 55	100A to 800A	1.5VA to 12.5VA	0.5, 1	19
36	RISH Xmer 125/50SC(40)	52 x 82	250A to 2000A	1VA to 15VA	0.5, 1	19
37	RISH Xmer 155/80SC(40)	85 x 125	250A to 3000A	1.5VA to 45VA	0.5, 1	19
38	RISH Xmer 195/80SC(64)	85 x 172	500A to 5000A	1.25VA to 45VA	0.5, 1	20
39	Compact Split CT 36-18	18.5 Ø	60A to 100A	0.2VA	3	20
40	Compact Split CT 50-18	18.5 Ø	100A to 250A	0.2VA to 1VA	1, 3	20
41	Compact Split CT 50-32	32.5 Ø	200A to 500A	0.2VA	1, 3	20
42	RISH Xmer 3PH 75-15(60)	14.5 x 24.5	100A to 160A	1VA to 2.5VA	0.5, 1, 3	21
43	RISH Xmer 3PH 105-21(40)	20.5 x 24.5	100A to 250A	1VA to 2.5VA	0.5, 1, 3	21
44	RISH Xmer 3PH 140-31(40)	31 x 36	250A to 500A	1.5VA to 3.75VA	0.5, 1, 3	21
45	RISH Xmer 3PH 185-27(45)	27 Ø	40A to 500A	1.25VA to 5VA	1, 3	21
46	RISH Xmer 3PH 185-37(45)	37 Ø	300A to 800A	2.5VA to 5VA	1, 3	21
47	RISH Xmer 3PH RJ12 105	22 x 25	60A to 250A	0.25VA to 0.5VA	1	22
48	RISH Xmer 3PH RJ12 140	31 x 31	250A to 630A	0.25VA	1	22
49	RISH Xmer 3PH RJ12 215	50.2 x 54	750A to 800A	0.5VA	1	22
50	RISH Xmer 3PH RJ12 75	15.3 x 27	60A to 160A	0.25VA	1	22

Overview

CT Ranges

Sr. No	CT Type	Window Size (mm)	Primary Current Ratings	VA Ratings	Class of Accuracy	Page No.
51	RISH Xmer Nano 3Ph CT	8 Ø	63A	0.1VA	0.5	23
52	RISH Xmer Nano 3Ph CT	15 Ø	125A	0.1VA	0.5	23
53	RISH Xmer Nano 3Ph CT	26 Ø	250A	0.1VA	0.5	23
54	RISH Xmer Nano 3Ph CT (RJ12-65)	8 Ø	63A	0.1VA	0.5	23
55	RISH Xmer Nano 3Ph CT (RJ12-90)	15 Ø	125A	0.1VA	0.5	23
56	RISH Xmer Nano 3Ph CT(RJ12-116)	26 Ø	250A	0.1VA	0.5	23
57	RISH CT TW-1	30 Ø	50A to 200A	1.5VA to 10VA	0.5, 1	24
58	RISH CT TW-2	30 Ø	50A to 200A	1.5VA to 15VA	0.2, 0.5S, 0.5, 1	24
59	RISH CT TW-3	43 Ø	75A to 300A	1VA to 20VA	0.2, 0.5S, 0.5, 1	25
60	RISH CT TW-4	58 Ø	120A to 600A	1VA to 25VA	0.2, 0.5S, 0.5, 1	25
61	RISH CT TW-5	72 Ø	200A to 1000A	1.5VA to 30VA	0.2, 0.5S, 0.5, 1	25
62	RISH CT TW-6	113 Ø	600A to 3200A	1.5VA to 45VA	0.2, 0.5S, 0.5, 1	25
63	RISH CT TW-E 73/30(50)	30 Ø	50A to 200A	5VA to 15VA	0.5, 1, 5	26
64	RISH CT TW-E 80/30(100)	30 Ø	100A to 150A	5VA to 15VA	0.5, 1	26
65	RISH CT TW-E 92/43(41)	43 Ø	200A to 400A	5VA to 15VA	0.5, 1	26
66	RISH CT TW-E 95/50(40)	50 Ø	200A to 300A	5VA to 15VA	0.5, 1	26
67	RISH CT TW-E 100/58(41)	58 Ø	400A to 600A	5VA to 15VA	0.5, 1	26
68	RISH CT TW-E 110/72(41)	72 Ø	800A to 1000A	5VA to 15VA	0.5, 1	26
69	RISH CT TW-E 135/85(30)	85 Ø	800A to 1200A	5VA to 15VA	0.5, 1	27
70	RISH CT TW-E 159/113(40)	113 Ø	1200A to 2000A	5VA to 15VA	0.5, 1	27
71	RISH CT TW-E 165/130(30)	130 Ø	2400A to 3000A	5VA to 15VA	0.5, 1	27
72	RISH CT TW-E 190/150(40)	150 Ø	3200A	5VA to 15VA	0.5, 1	27
73	RISH CT TW-E 235/200(35)	200 Ø	4000A to 5000A	15VA	1	27
74	RISH Xmer 62/20P(40)	20.5 x 12.5	100A to 200A	1VA	5P5, 10P5	28
75	RISH Xmer 62/R(40)	22 Ø	100A to 300A	1VA to 1.5VA	5P5, 10P5	28
76	RISH Xmer 74/20P(45)	21 x 11	200A to 400A	2.5VA	5P5, 10P5	28
77	RISH Xmer 74/40P(45)	41 x 12.5	120A to 750A	1VA to 2.5VA	5P5, 10P5	29
78	RISH Xmer 86/40P(45)	41 x 11	100A to 600A	1VA to 7.5VA	5P5, 10P5, 5P10, 10P10	29
79	RISH Xmer 86/50P(45)	51 x 12.5	100A to 800A	1.5VA to 7.5VA	5P5, 10P5, 5P10, 10P10	29
80	RISH Xmer 104/30P(45)	31 x 11	50A to 600A	1.5VA to 15VA	5P5, 10P5, 5P10, 10P10	30
81	RISH Xmer 104/50P(45)	51 x 12.5	150A to 1000A	1.5VA to 10VA	5P5, 10P5, 5P10, 10P10	30
82	RISH Xmer 104/60P(45)	61 x 12.5	100A to 800A	1.5VA to 10VA	5P5, 10P5, 5P10, 10P10	30
83	RISH Xmer 140/60P(45)	61 x 12.5	200A to 2000A	2.5VA to 20VA	5P5, 10P5, 5P10, 10P10	31
84	RISH Xmer 140/80P(45)	81 x 31	200A to 2500A	2.5VA to 20VA	5P5, 10P5, 5P10, 10P10	31
85	RISH Xmer 140/100P(45)	101 x 31	250A to 3000A	1VA to 10VA	5P5, 10P5, 5P10, 10P10	31
86	RISH Xmer 225/125P(50)	125 x 93	600A to 5000A	1.5VA to 20VA	5P5, 10P5, 5P10, 10P10	32
87	RISH Xmer 225/60P(50)	61 x 31	100A to 2000A	5VA to 15VA	5P5, 10P5, 5P10, 10P10	32
88	RISH Xmer 225/167P(50)	167 x 66	1000A to 6000A	2.5VA to 20VA	5P5, 10P5, 5P10, 10P10	32
89	LTRC-1 80/30(50)	30 Ø	100A to 160A	1.5VA to 5VA	0.5, 1	33
90	LTRC-2 90/50(40)	50 Ø	200A to 320A	3.75VA to 10VA	0.5, 1	33
91	LTRC-3 110/72(40)	72 Ø	400A to 630A	5VA to 15VA	0.5, 1	33
92	LTRC-4 135/85(40)	85 Ø	800A to 1250A	15VA	0.5, 1	33
93	LTRC-5 165/115(40)	115 Ø	1500A to 2000A	15VA	0.5, 1	34
94	LTRC-6 195/130(40)	130 Ø	2500A to 3200A	15VA	0.5, 1	34
95	LTRC-7 230/165(40)	165 Ø	3000A to 3200A	15VA	0.5, 1	34
96	LTRC-8 295/200(40)	200 Ø	4000A to 5000A	15VA	0.5, 1	34
97	RISH Xmer Sigma 75	75mm	5+5A to 5+5+5+5A	5VA to 25VA	0.5, 1	36
98	RISH Xmer Sigma 150	150mm	5+5+5+5+5A to 5+5+5+5+5+5+5+5A	5VA to 25VA	0.5, 1	36
99	Accessories					37

Technical Information

(Ref: IEC 61869-2)

Limits of Current Errors and Phase Displacements for Measuring Current Transformers (Classes from 0.1 to 1)												
Accuracy Class	± Percentage Current (ratio) Error at Percentage of Rated Current shown below				± Phase Displacements at Percentage of Rated Current shown below							
					Minutes				Centiradians			
	5	20	100	120	5	20	100	120	5	20	100	120
0.1	0.40	0.20	0.10	0.10	15	8	5	5	0.45	0.24	0.15	0.15
0.2	0.75	0.35	0.20	0.20	30	15	10	10	0.90	0.45	0.30	0.30
0.5	1.50	0.75	0.50	0.50	90	45	30	30	2.70	1.35	0.90	0.90
1.0	3.00	1.50	1.00	1.00	180	90	60	60	5.40	2.70	1.80	1.80

Limits of Current Errors and Phase Displacements for Measuring Current Transformers (for Special Applications)															
Accuracy Class	± Percentage Current (ratio) Error at Percentage of Rated Current shown below					± Phase Displacements at Percentage of Rated Current shown below									
						Minutes					Centiradians				
	1	5	20	100	120	1	5	20	100	120	1	5	20	100	120
0.2s	0.75	0.35	0.20	0.20	0.20	30	15	10	10	10	0.90	0.45	0.30	0.30	0.30
0.5s	1.50	0.75	0.50	0.50	0.50	90	45	30	30	30	2.70	1.35	0.90	0.90	0.90

Limits of Current Errors and Phase Displacements for Measuring Current Transformers (for Classes 3 & 5**)				
Accuracy Class	Current error at rated primary current	± Phase Displacements at Percentage of Rated Current shown below		Composite error at rated accuracy limit primary
	100%	Minutes	Centiradians	%
5P	41.O	460	41.8	5
10P	43.0	-	-	10

Limits of Current Errors and Phase Displacements for Measuring Current Transformers (for Classes 3 & 5**)		
Accuracy Class	± Percentage Current (ratio) Error at Percentage of Rated Current shown below	
	50	120
3.0	3.00	3.00
5.0	5.00	5.00

**Limit of Phase displacements are not specified for class 3 and 5

Reference for VA Burden
Moving Iron Ammeter (frame dimension of 48, 72, 96, 144)1.0VA
Bimetal Instruments (.../5A)3VA
Bimetal and Moving Iron Instruments (.../5A)3.5VA
Wattmeter3.5 ... 5.5VA
Power Factor Meter4.0VA
Current Transducer0.5VA
Power Transducer0.5VA
kWh-Meter2.5VA
Trivector Meter5.0VA

Technical Information

(Ref: IEC 61869-2)

Burden Level of Connecting Cables – for Secondary Current 5A

Wire's Cross Section	L= distance from CT to measuring point							
sq.mm	1m	2m	4m	6m	8m	10m	15m	20m
2 x 0.50	1.837	3.670	7.350	11.020	----	----	----	----
2 x 0.75	1.235	2.470	4.940	7.410	9.880	----	----	----
2 x 1.00	0.918	1.840	3.670	5.510	7.340	9.180	----	----
2 x 1.50	0.613	1.230	2.450	3.680	4.940	6.130	9.200	----
2 x 2.50	0.368	0.740	1.470	2.210	2.940	3.680	5.520	7.360
2 x 4.00	0.233	0.470	0.930	1.400	1.860	2.330	3.500	4.660
2 x 6.00	0.149	0.300	0.600	0.890	1.190	1.490	2.230	2.980

Burden Level of Connecting Cables – for Secondary Current 1A

Wire's Cross Section	L= distance from CT to measuring point										
sq.mm	1m	2m	4m	6m	8m	10m	15m	20m	30m	40m	50m
2 x 0.50	0.074	0.150	0.300	0.440	0.590	0.740	1.110	1.480	2.220	2.960	3.700
2 x 0.75	0.049	0.100	0.200	0.290	0.390	0.490	0.740	0.980	1.470	1.960	2.450
2 x 1.00	0.037	0.070	0.150	0.220	0.300	0.370	0.560	0.740	1.110	1.480	1.850
2 x 1.50	0.025	0.050	0.100	0.150	0.200	0.250	0.380	0.500	0.750	1.000	1.250
2 x 2.50	0.015	0.030	0.060	0.090	0.120	0.150	0.230	0.300	0.450	0.600	0.750
2 x 4.00	0.009	0.020	0.040	0.050	0.070	0.090	0.140	0.180	0.270	0.360	0.450
2 x 6.00	0.003	0.006	0.012	0.018	0.024	0.030	0.045	0.060	0.090	0.120	0.150

Allowable load capacity of painted copper and aluminum bars (Bars are separated with the thickness of one bar)

Busbar Dimensions (mm)	Maximum current in A					
	1 bar		2 bars		3 bars	
	Copper	Aluminium	Copper	Aluminium	Copper	Aluminium
12 x 2	150	80	232	140	262	-
15 x 2	180	95	275	170	300	-
15 x 3	282	115	364	210	440	-
20 x 2	230	120	348	270	360	-
20 x 3	290	145	453	350	520	-
20 x 5	319	254	560	446	728	570
20 x 10	497	393	924	730	1,320	1,060
25 x 3	350	180	540	330	600	-
25 x 5	470	230	760	430	965	-
30 x 3	410	205	625	385	680	-
30 x 5	447	356	760	606	944	739
30 x 10	676	536	1,200	956	1,670	1,340
40 x 3	530	280	800	500	835	-
40 x 5	573	456	952	762	1,140	898
40 x 10	850	677	1,470	1,180	2,000	1,650
50 x 5	697	556	1,140	916	1,330	1,050
50 x 10	1,020	815	1,720	1,400	2,320	1,940
60 x 5	826	655	1,330	1,070	1,510	1,190
60 x 10	1,180	951	1,960	1,610	2,610	2,200
80 x 5	1,070	851	1,680	1,360	1,830	1,460
80 x 10	1,500	1,220	2,410	2,000	3,170	2,660
100 x 5	1,300	1,050	2,010	1,650	2,150	1,730
100 x 10	1,810	1,480	2,850	2,390	3,720	3,110
120 x 10	2,570	1,350	3,780	2,400	4,600	3,250
160 x 10	3,290	1,750	4,750	3,000	5,800	4,150
200 x 10	4,000	2,150	5,700	3,650	6,950	4,950
200 x 15	-	2,550	-	4,200	-	5,600

LV Tariff & Low Voltage Current Transformers

RISHabh's Range of Current Transformers

- RISH Xmer Wound Primary CT
- RISH Xmer Square Type CT
- RISH Xmer Split Core CT
- RISH Xmer Compact Split Core CT
- RISH Xmer 3 Phase CT
- RISH Xmer 3 Phase CT (with RJ12 Output)
- RISH Xmer 3 Phase Nano CT
- RISH Xmer 3 Phase Nano CT (with RJ12 Output)
- RISH TW Round Type (with Terminals)
- RISH TW-E Round Type (with Lugged Wires)
- RISH Xmer Protection Class
- RISH Resin Cast CT
- RISH Summation CT

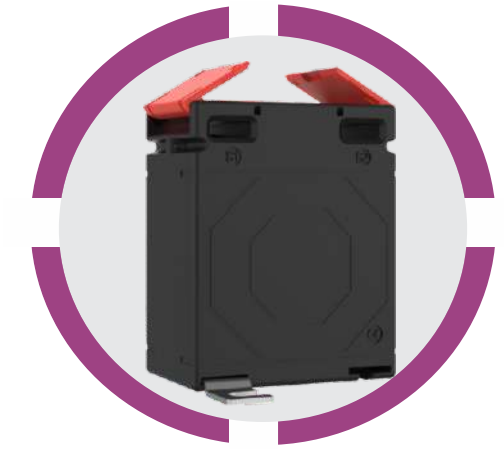
Features

- Compact Design Fully encapsulated one piece
- High Electrical and Mechanical strength
- Non-hygroscopic Resin Cast CTs
- No fire risk Poly Carbonate Casing with UL94 V-0 Grade
- Compliance to IEC & IS Standards
- Fully type tested as per IEC 61869/1 & 2 2011
- High Dielectric strength / Wide range of system current ratings
- Various mounting options like Wall mounting, Cable mounting, Bus bar mounting & DIN Rail mounting (only for Xmer 45, Xmer 50(30), Xmer 62(40), Xmer 74(45), Xmer 86(45), Xmer 104(45), Xmer 3 PH Cts)
- Wire Sealable Terminal covers to make it tamper-proof

General Specifications

Applicable Standard	IEC 61869-2, IEC/EN60044-1, BS 3938 , IS 2705
Case	Unfilled Polycarbonate, flame retardant grades UL 94V-0
Connection	Two connection on each side. M4 screw with self lifting clamp strap assembly for Xmer series, SC series, 3 in 1 series and one connection on each side M4 screws with self lifting clamp strap for Round & Resin Cast CT series.
Insulation Class	Class E (120°C max)
System Voltage	720V maximum
Test Voltage **For Busbar type CT**	4kV 50/60Hz for 1 min (except for 50/30 CT & 50/50 CT where test voltage is 3kV 50/60Hz for 1 min)
For Wound type	3kV 50/60Hz for 1 min
Operating Frequency	50Hz or 60Hz
Rated Primary Current	1A to 7500A
Rated Secondary O/P	5A standard (1A on request)
Rated Burden	1, 1.25, 1.5, 2.5, 3.75, 5, 7.5, 10, 12.5, 15, 20, 30, 45, 60, 100VA
Class of Accuracy	0.2, 0.2S for accurate measuring kWh 0.5, 0.5S for laboratory and power measurement 1 for general measurement 3 for indicating instrument
Operating Temperature	-20°C...+45°C
Storage Temperature	-50°C...+80°C
Thermal Short Circuit Current (Ith)	40 x In for Wound Type CT 60 x In for Busbar Type CT
Dynamic Short Circuit Current (Idyn)	2.5 x Ith
Instrument Security Factor (FS)	2.5, 5, 10, 15, 20

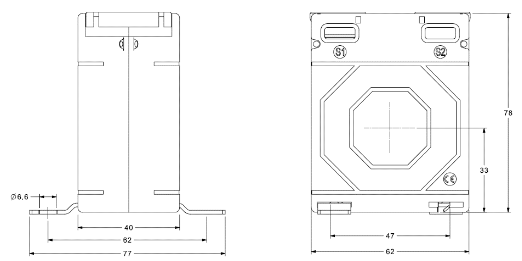
RISH Xmer Wound Primary Series



Wound Primary	RISH Xmer 62/W	RISH Xmer 74/W
Depth	40 mm	45mm
Width	62 mm	74mm
Primary Current	1A to 30A	1A to 60A
Secondary Current	1A, 5A	
Accuracy Class	0.2 or 0.5 or 1	
Mounting Options	Wall Mounting	

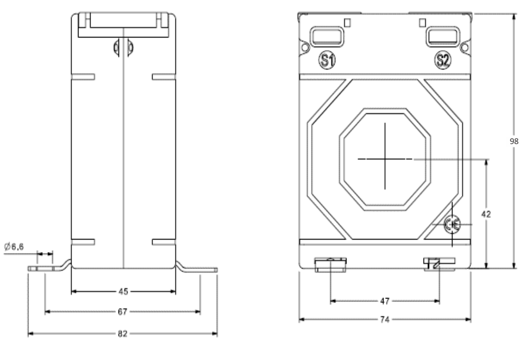
Dimensional Drawings :

RISH Xmer 62/W



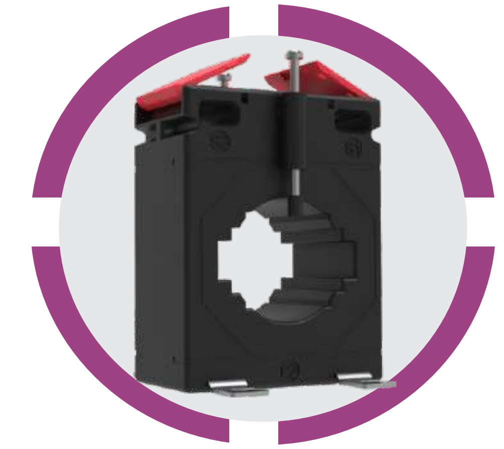
CT Type	RISH Xmer 62/W								
Accuracy Class	0.2			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
1A	1	15	0.50	2.5	10	0.48	5	5	0.48
2.5A	1	15	0.46	2.5	10	0.44	5	5	0.44
5A	1	15	0.52	2.5	10	0.50	5	5	0.47
7.5A	1	15	0.48	2.5	10	0.46	5	5	0.46
10A	1	15	0.54	2.5	10	0.48	5	5	0.51
15A	1	15	0.52	2.5	10	0.48	5	5	0.46
20A	1	15	0.47	2.5	10	0.46	5	5	0.46
25A	1	15	0.49	2.5	10	0.45	5	5	0.45
30A	1	15	0.50	2.5	10	0.47	5	5	0.45

RISH Xmer 74/W



CT Type	RISH Xmer 74/W								
Accuracy Class	0.2			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
1A	1.5	15	0.77	5	10	0.73	10	5	0.73
2.5A	1.5	15	0.68	5	10	0.67	10	5	0.65
5A	1.5	15	0.75	5	10	0.73	10	5	0.73
7.5A	1.5	15	0.71	5	10	0.69	10	5	0.67
10A	1.5	15	0.75	5	10	0.73	10	5	0.73
15A	1.5	15	0.71	5	10	0.69	10	5	0.69
20A	1.5	15	0.70	5	10	0.68	10	5	0.68
25A	1.5	15	0.69	5	10	0.67	10	5	0.67
30A	1.5	15	0.69	5	10	0.67	10	5	0.67
40A	1.5	15	0.70	5	10	0.67	10	5	0.67
50A	1.5	15	0.68	5	10	0.67	10	5	0.67
60A	1.5	15	0.67	5	10	0.66	10	5	0.66

RISH Xmer Square Type Measuring CTs

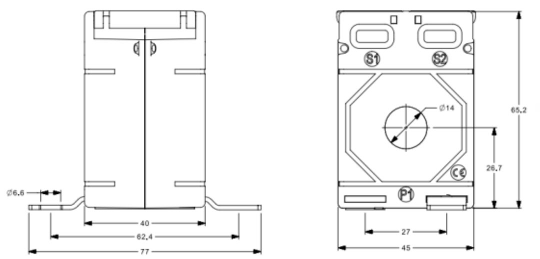


RISH Xmer 45 (40) Series

Busbar Type	RISH Xmer 45/14(40)	RISH Xmer 45/21(40)
Cable Hole Dia (Ø)	14 mm	21 mm
Busbar Size	---	20 x 10 mm
Depth	40 mm	40 mm
Width	45 mm	45 mm
Primary Current	30A to 300A	50A to 400A
Secondary Current	1A, 5A	
Accuracy Class	0.5 or 1	
Mounting Options	Wall Mounting, DIN Rail Mounting & Busbar Mounting	

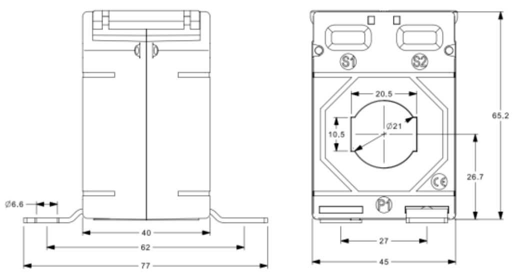
Dimensional Drawings :

RISH Xmer 45/14(40)



CT Type	RISH Xmer 45/14(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
30A	-	-	-	1	5	0.45
40A	-	-	-	1	5	0.45
50A	-	-	-	1.5	5	0.45
60A	-	-	-	1.5	5	0.46
75A	1.5	5	0.46	2.5	5	0.46
80A	1.5	5	0.46	2.5	5	0.46
100A	1.5	5	0.36	3.75	5	0.36
120A	2.5	5	0.37	3.75	5	0.37
125A	2.5	5	0.37	3.75	5	0.37
150A	2.5	5	0.37	5	5	0.37
200A	3.75	5	0.39	7.5	5	0.39
250A	5	5	0.36	7.5	5	0.36
300A	5	5	0.37	10	5	0.37

RISH Xmer 45/21(40)



CT Type	RISH Xmer 45/21(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	1.5	5	0.35
60A	-	-	-	1.5	5	0.36
75A	-	-	-	2.5	5	0.36
80A	1	5	0.36	2.5	5	0.36
100A	1.5	5	0.37	3.75	5	0.34
120A	1.5	5	0.37	3.75	5	0.35
125A	2.5	5	0.37	3.75	5	0.35
150A	2.5	5	0.38	5	5	0.35
200A	3.75	5	0.35	5	5	0.35
250A	5	5	0.36	5	5	0.36
300A	5	5	0.31	5	5	0.31
400A	5	5	0.33	5	5	0.33

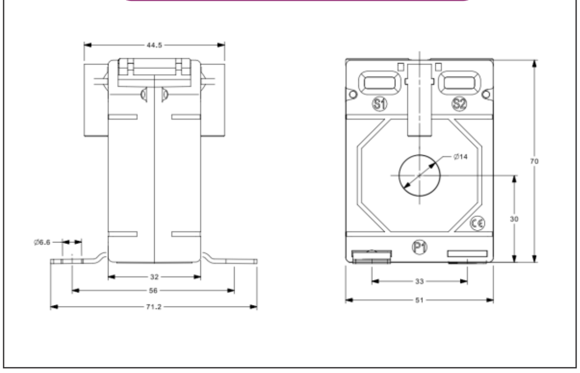
RISH Xmer Square Type Measuring CTs

RISH Xmer 50 (30) Series

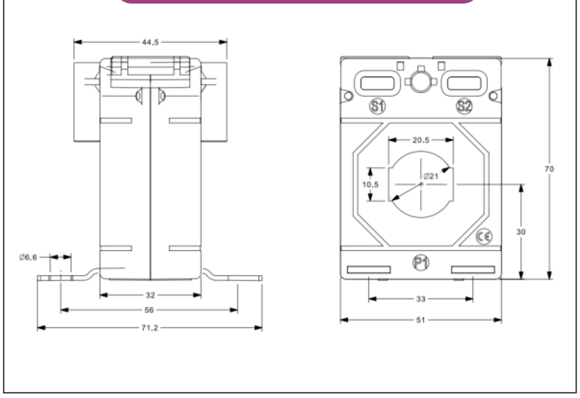
Busbar Type	RISH Xmer 50/14(30)	RISH Xmer 50/21(30)	RISH Xmer 50/30(30)
Cable Hole Dia (Ø)	14 mm	21 mm	26 mm
Busbar Size	---	20.5 X 10.5 mm	30.5 x 10.5 mm
Depth	32 mm	32 mm	32 mm
Width	51 mm	51 mm	51 mm
Primary Current	40A to 300A	50A to 400A	75A to 600A
Secondary Current	1A, 5A		
Accuracy Class	0.5 or 1		
Mounting Options	Wall Mounting, DIN Rail Mounting & Busbar Mounting		

Dimensional Drawings :

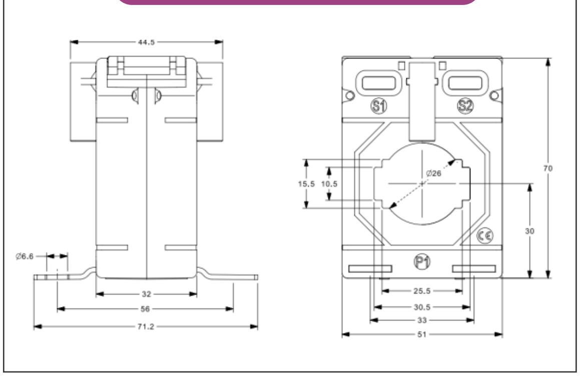
RISH Xmer 50/14(30)



RISH Xmer 50/21(30)



RISH Xmer 50/30(30)



CT Type	RISH Xmer 50/14(30)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
40A	-	-	-	1	5	0.45
50A	-	-	-	1.5	5	0.46
60A	-	-	-	1.5	5	0.41
75A	-	-	-	1.5	5	0.41
80A	-	-	-	1.5	5	0.41
100A	2.5	5	0.41	3.75	5	0.41
120A	2.5	5	0.42	3.75	5	0.42
125A	2.5	5	0.42	3.75	5	0.42
150A	3.75	5	0.43	5	5	0.43
200A	3.75	5	0.44	5	5	0.34
250A	5	5	0.35	7.5	5	0.31
300A	7.5	5	0.32	7.5	5	0.32

CT Type	RISH Xmer 50/21(30)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
50A	-	-	-	1	5	0.40
60A	-	-	-	1	5	0.41
75A	-	-	-	1.5	5	0.41
80A	1	5	0.41	2.5	5	0.41
100A	1.5	5	0.41	2.5	5	0.41
120A	2.5	5	0.42	2.5	5	0.42
125A	2.5	5	0.42	3.75	5	0.42
150A	2.5	5	0.43	5	5	0.43
200A	3.75	5	0.34	5	5	0.34
250A	5	5	0.35	5	5	0.35
300A	5	5	0.32	7.5	5	0.32
400A	5	5	0.32	7.5	5	0.32

CT Type	RISH Xmer 50/30(30)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
75A	-	-	-	1	5	0.31
80A	-	-	-	1.5	5	0.32
100A	1	5	0.32	2.5	5	0.33
120A	1	5	0.32	2.5	5	0.32
125A	1	5	0.32	2.5	5	0.32
150A	2.5	5	0.33	3.75	5	0.33
200A	2.5	5	0.34	5	5	0.34
250A	5	5	0.35	5	5	0.35
300A	5	5	0.32	5	5	0.32
400A	5	5	0.32	6.25	5	0.32
500A	5	5	0.33	6.25	5	0.33
600A	5	5	0.35	7.5	5	0.35

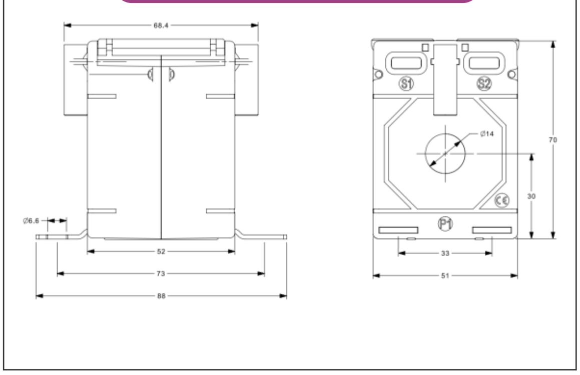
RISH Xmer Square Type Measuring CTs

RISH Xmer 50 (50) Series

Busbar Type	RISH Xmer 50/14(50)	RISH Xmer 50/21(50)	RISH Xmer 50/30(50)
Cable Hole Dia (Ø)	14 mm	21 mm	26 mm
Busbar Size	---	20 x 10mm	30 x 10 mm
Depth	52 mm	52 mm	52 mm
Width	51 mm	51 mm	51 mm
Primary Current	30A to 300A	50A to 400A	50A to 600A
Secondary Current	1A, 5A		
Accuracy Class	0.5 or 1		
Mounting Options	Wall Mounting & Busbar Mounting		

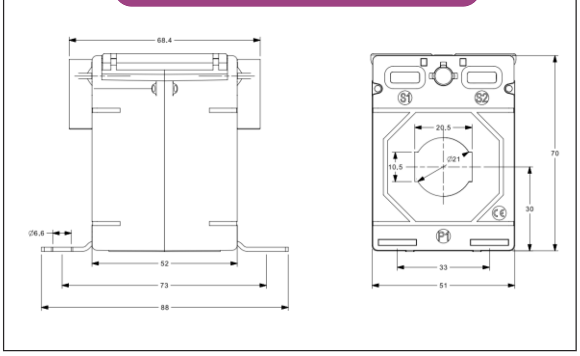
Dimensional Drawings :

RISH Xmer 50/14(50)



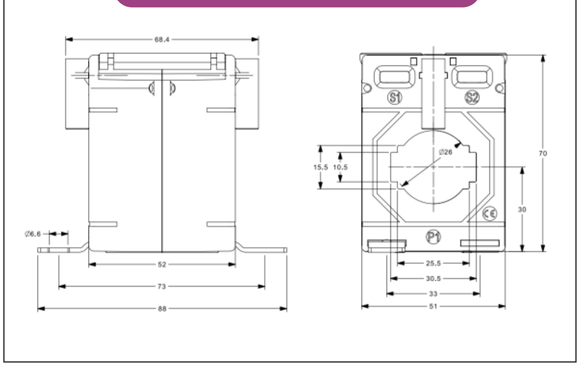
CT Type	RISH Xmer 50/14(50)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
30A	-	-	-	1	5	0.73
40A	-	-	-	1	5	0.73
50A	1.5	5	0.74	1.5	5	0.74
60A	1.5	5	0.74	1.5	5	0.74
75A	2.5	5	0.75	5	5	0.75
80A	2.5	5	0.65	5	5	0.65
100A	3.75	5	0.63	5	5	0.63
120A	3.75	5	0.64	5	5	0.64
125A	3.75	5	0.64	5	5	0.64
150A	5	5	0.65	7.5	5	0.65
200A	7.5	5	0.67	10	5	0.67
250A	10	5	0.61	12.5	5	0.61
300A	10	5	0.62	12.5	5	0.62

RISH Xmer 50/21(50)



CT Type	RISH Xmer 50/21(50)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
50A	1	5	0.64	2.5	5	0.64
60A	1.5	5	0.64	3.75	5	0.64
75A	1.5	5	0.65	3.75	5	0.65
80A	2.5	5	0.65	5	5	0.65
100A	2.5	5	0.65	5	5	0.65
120A	3.75	5	0.66	5	5	0.66
125A	5	5	0.66	5	5	0.66
150A	5	5	0.67	10	5	0.57
200A	10	5	0.59	12.5	5	0.59
250A	10	5	0.61	15	5	0.61
300A	7.5	5	0.62	12.5	5	0.62
400A	10	5	0.49	15	5	0.49

RISH Xmer 50/30(50)



CT Type	RISH Xmer 50/30(50)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
50A	-	-	-	1.5	5	0.46
60A	-	-	-	1.5	5	0.47
75A	-	-	-	2.5	5	0.47
80A	-	-	-	2.5	5	0.47
100A	1	5	0.48	3.75	5	0.48
120A	2.5	5	0.49	5	5	0.49
125A	2.5	5	0.49	5	5	0.49
150A	5	5	0.50	5	5	0.50
200A	5	5	0.51	7.5	5	0.51
250A	5	5	0.53	10	5	0.53
300A	5	5	0.46	10	5	0.46
400A	10	5	0.49	12.5	5	0.49
500A	10	5	0.52	12.5	5	0.52
600A	10	5	0.55	15	5	0.55

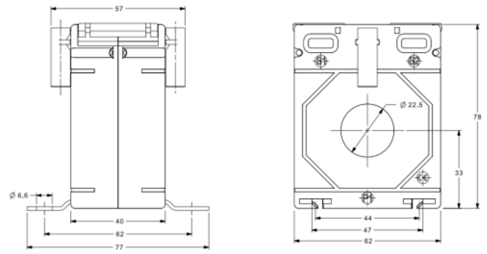
RISH Xmer Square Type Measuring CTs

RISH Xmer 62 (40) Series

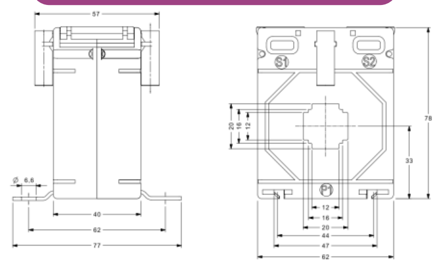
Busbar Type	RISH Xmer 62/R	RISH Xmer 62/20(40)	RISH Xmer 62/30(40)	RISH Xmer 62/30(50)	RISH Xmer 62/40(40)
Cable Hole Dia (Ø)	22 mm	---	30.5 mm	28 mm	31 mm
Busbar Size	---	20 x 12 mm	30 x 10 mm	30 x 10 mm	40 x 10mm
Depth	40 mm	40 mm	40 mm	51 mm	40 mm
Width	62 mm	62 mm	62 mm	62 mm	62 mm
Primary Current	50A to 600A	50A to 500A	50A to 800A	50A to 800A	100A to 800A
Secondary Current	1A, 5A				
Accuracy Class	0.2S or 0.2 or 0.5S or 0.5 or 1				
Mounting Options	Wall Mounting DIN Rail Mounting (except 62/30(50)) & Busbar Mounting				

Dimensional Drawings :

RISH Xmer 62/R(40)



RISH Xmer 62/20(40)

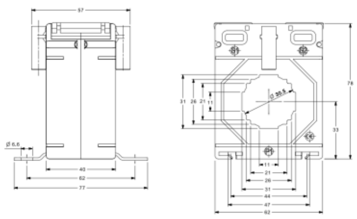


CT Type	RISH Xmer 62/R(40)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.69
60A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.69
75A	-	-	-	-	-	-	-	-	-	1.5	5	0.70	2.5	5	0.70
80A	-	-	-	-	-	-	-	-	-	2.5	5	0.70	2.5	5	0.70
100A	-	-	-	1.5	10	0.70	-	-	-	2.5	5	0.70	5	5	0.70
120A	-	-	-	1.5	10	0.71	-	-	-	3.75	5	0.71	5	5	0.71
125A	-	-	-	1.5	10	0.71	-	-	-	3.75	5	0.71	5	5	0.71
150A	2.5	10	0.72	2.5	10	0.72	2.5	10	0.72	5	5	0.72	7.5	5	0.72
200A	5	10	0.69	5	5	0.69	5	10	0.69	7.5	5	0.65	10	5	0.65
250A	5	10	0.66	5	5	0.66	5	10	0.66	10	5	0.66	15	5	0.66
300A	5	10	0.59	5	5	0.59	5	10	0.59	10	5	0.59	15	5	0.59
400A	5	10	0.59	10	5	0.59	5	10	0.59	15	5	0.59	15	5	0.59
500A	10	10	0.58	10	5	0.58	10	10	0.58	15	5	0.58	15	5	0.58
600A	10	10	0.57	10	5	0.57	10	10	0.57	15	5	0.57	15	5	0.57

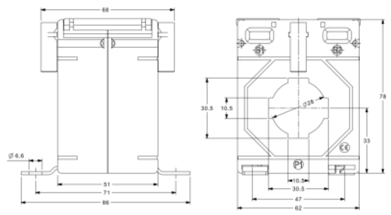
CT Type	RISH Xmer 62/20(40)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.69
60A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.69
75A	-	-	-	-	-	-	-	-	-	1.5	5	0.70	3.75	5	0.70
80A	-	-	-	-	-	-	-	-	-	2.5	5	0.70	3.75	5	0.70
100A	1.5	5	0.69	1.5	10	0.70	1.5	5	0.69	2.5	5	0.70	5	5	0.70
120A	1.5	5	0.69	1.5	10	0.71	1.5	5	0.69	3.75	5	0.71	5	5	0.71
125A	1.5	5	0.70	1.5	10	0.71	1.5	5	0.70	3.75	5	0.71	5	5	0.71
150A	2.5	5	0.70	2.5	10	0.72	2.5	5	0.70	5	5	0.72	7.5	5	0.72
200A	3.75	5	0.65	5	5	0.69	3.75	5	0.65	7.5	5	0.65	10	5	0.65
250A	3.75	5	0.66	5	5	0.66	3.75	5	0.66	10	5	0.66	15	5	0.66
300A	5	5	0.67	5	5	0.59	5	5	0.67	10	5	0.59	15	5	0.59
400A	5	5	0.62	10	5	0.62	5	5	0.62	15	5	0.57	15	5	0.59
500A	5	5	0.68	10	5	0.70	5	5	0.68	15	5	0.66	15	5	0.69

RISH Xmer Square Type Measuring CTs

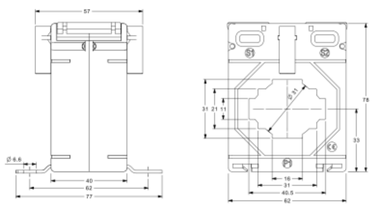
RISH Xmer 62/30(40)



RISH Xmer 62/30(50)



RISH Xmer 62/40(40)

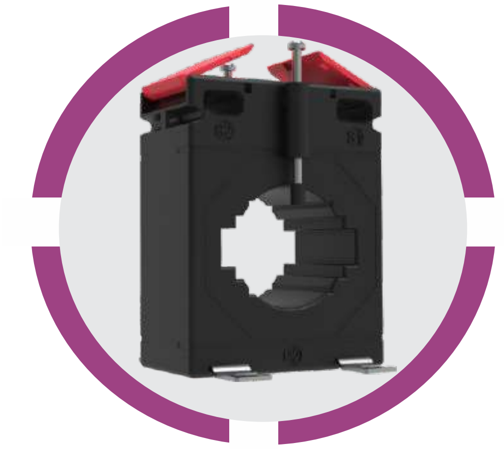


CT Type	RISH Xmer 62/30(40)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.25	5	0.61
60A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.54
75A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.54
80A	-	-	-	-	-	-	-	-	-	-	-	-	2	5	0.54
100A	1	5	0.55	1	10	0.55	1	5	0.55	1.5	5	0.55	3.75	5	0.55
120A	1	5	0.55	1	10	0.55	1	5	0.55	2.5	5	0.55	3.75	5	0.55
125A	1	5	0.56	1	10	0.56	1.5	5	0.56	2.5	5	0.56	3.75	5	0.56
150A	2.5	5	0.56	1.5	10	0.56	2.5	5	0.56	3.75	5	0.56	7.5	5	0.56
200A	5	5	0.58	3.75	10	0.58	5	5	0.58	5	5	0.56	10	5	0.56
250A	5	5	0.59	5	10	0.59	5	5	0.59	5	5	0.58	10	5	0.58
300A	5	5	0.60	3.75	10	0.60	5	5	0.60	10	5	0.59	15	5	0.59
400A	5	5	0.55	10	10	0.55	5	5	0.55	12.5	5	0.55	15	5	0.55
500A	5	10	0.49	10	5	0.49	5	10	0.49	12.5	5	0.49	15	5	0.49
600A	7.5	10	0.51	10	5	0.51	7.5	10	0.51	15	5	0.51	20	5	0.51
750A	10	10	0.55	10	5	0.55	10	10	0.55	15	5	0.55	15	5	0.55
800A	10	10	0.56	10	5	0.56	10	10	0.56	15	5	0.56	15	5	0.56

CT Type	RISH Xmer 62/30(50)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.77
60A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.78
75A	-	-	-	-	-	-	-	-	-	2.5	5	0.78	2.5	5	0.78
80A	-	-	-	-	-	-	-	-	-	2.5	5	0.78	3.75	5	0.78
100A	1.25	5	0.64	1.25	15	0.79	1.25	5	0.64	2.5	5	0.79	5	5	0.79
120A	1.25	5	0.65	1.25	15	0.80	1.25	5	0.65	5	5	0.80	5	5	0.80
125A	1.25	5	0.65	1.25	15	0.80	1.25	5	0.65	5	5	0.80	5	5	0.80
150A	2	5	0.66	2	10	0.81	2	5	0.66	5	5	0.81	7.5	5	0.81
200A	5	5	0.67	3.75	10	0.82	5	5	0.67	10	5	0.82	15	5	0.82
250A	5	5	0.66	5	10	0.69	5	5	0.66	15	5	0.69	15	5	0.69
300A	5	5	0.68	5	10	0.70	5	5	0.68	15	5	0.70	15	5	0.70
400A	10	5	0.71	6.25	10	0.73	10	5	0.71	15	5	0.73	30	5	0.73
500A	5	10	0.64	7.5	10	0.63	5	10	0.64	15	5	0.63	30	5	0.63
600A	6.25	10	0.65	10	10	0.65	6.25	10	0.65	20	5	0.65	30	5	0.65
750A	6.25	10	0.70	10	10	0.70	6.25	10	0.70	20	5	0.70	30	5	0.70
800A	6.25	10	0.71	10	10	0.71	6.25	10	0.71	20	5	0.71	30	5	0.71

CT Type	RISH Xmer 62/40(40)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.37
120A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.37
125A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.37
150A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.38
200A	1	5	0.43	1	10	0.44	1.5	5	0.43	1.5	5	0.39	3.75	5	0.39
250A	1.5	5	0.45	1.5	10	0.45	1.5	5	0.45	2.5	5	0.40	5	5	0.40
300A	1.5	5	0.46	1.5	10	0.47	2.5	5	0.46	5	5	0.41	5	5	0.41
400A	2.5	5	0.44	2.5	10	0.44	2.5	5	0.44	5	5	0.44	5	5	0.42
500A	2.5	5	0.45	5	5	0.45	3.75	5	0.45	5	5	0.45	7.5	5	0.45
600A	3.75	5	0.47	7.5	5	0.47	5	5	0.47	7.5	5	0.47	10	5	0.47
750A	5	5	0.47	10	5	0.47	5	5	0.47	10	5	0.47	10	5	0.47
800A	5	5	0.48	10	5	0.48	5	5	0.48	10	5	0.48	10	5	0.48

RISH Xmer Square Type Measuring CTs

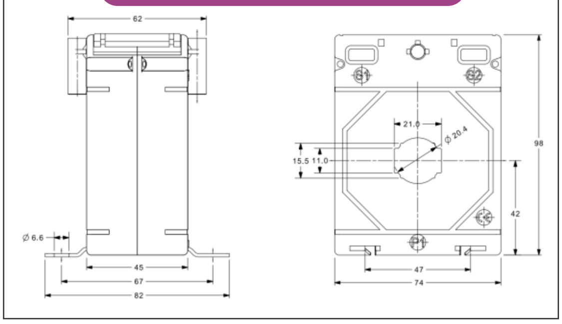


RISH Xmer 74 (45) Series

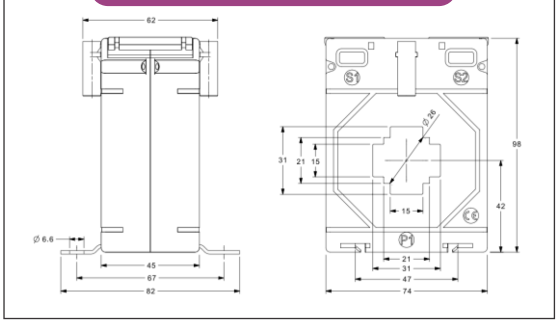
Busbar Type	RISH Xmer 74/20(45)	RISH Xmer 74/30(45)	RISH Xmer 74/40(45)	RISH Xmer 74/50(45)
Cable Hole Dia (Ø)	20 mm	26 mm	35 mm	41 mm
Busbar Size	20 x 10 mm	30 x 15 mm 20 x 10 mm	40 x 12 mm 30 x 15 mm	50 x 12 mm 40 x 10 mm
Depth	45 mm	45 mm	45 mm	45 mm
Width	74 mm	74 mm	74 mm	74 mm
Primary Current	40A to 500A	40A to 800A	40A to 1000A	100A to 1000A
Secondary Current	1A, 5A			
Accuracy Class	0.2S or 0.2 or 0.5S or 0.5 or 1			
Mounting Options	Wall Mounting, DIN Rail Mounting & Busbar Mounting			

Dimensional Drawings :

RISH Xmer 74/20(45)



RISH Xmer 74/30(45)

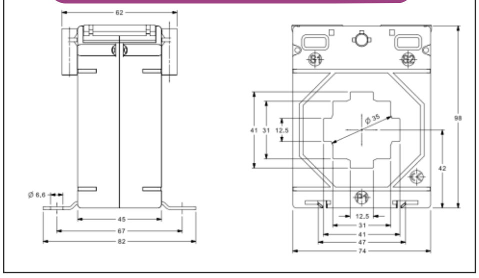


CT Type	RISH Xmer 74/20(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
40A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	10	1.25
50A	-	-	-	-	-	-	-	-	-	1	15	1.16	2.5	10	1.25
60A	-	-	-	-	-	-	-	-	-	1	15	1.16	3.75	5	1.16
75A	-	-	-	-	-	-	-	-	-	1.5	15	1.16	5	5	1.16
80A	-	-	-	-	-	-	-	-	-	2.5	15	1.16	5	5	1.16
100A	1.5	5	0.80	1.5	15	1.17	1.5	5	0.80	5	10	1.17	7.5	5	1.17
120A	1.5	5	0.81	1.5	15	1.18	1.5	5	0.81	5	10	1.18	10	5	1.08
125A	1.5	5	0.81	1.5	15	1.18	1.5	5	0.81	5	10	1.18	10	5	1.08
150A	2.5	5	0.82	2.5	15	1.19	2.5	5	0.82	7.5	10	1.19	12.5	5	1.09
200A	5	5	0.83	5	10	1.02	5	5	0.83	10	5	1.02	15	5	1.02
250A	5	5	0.85	5	10	1.04	5	5	0.85	10	5	1.04	15	5	1.04
300A	5	5	0.86	7.5	10	0.91	5	5	0.86	15	5	0.72	15	5	0.72
400A	5	5	0.83	10	10	0.94	5	5	0.83	15	5	0.75	20	5	0.75
500A	5	5	0.83	10	10	0.94	5	5	0.83	15	5	0.75	15	5	0.75

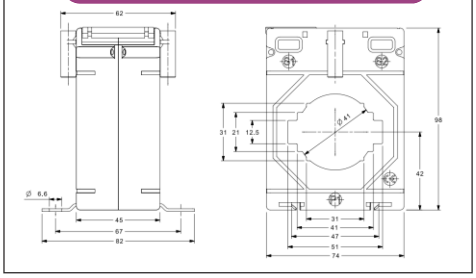
CT Type	RISH Xmer 74/30(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
40A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	10	1.02
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	10	1.02
60A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.98
75A	-	-	-	-	-	-	-	-	-	1.5	10	0.99	2.5	5	0.99
80A	-	-	-	-	-	-	-	-	-	1.5	10	0.99	3.75	5	0.99
100A	1.5	5	0.80	1.5	15	1.00	1.5	5	0.80	2.5	10	1.00	5	5	1.00
120A	1.5	5	0.81	1.5	15	1.00	1.5	5	0.81	2.5	10	1.00	5	5	1.00
125A	1.5	5	0.81	1.5	15	1.00	1.5	5	0.81	2.5	10	1.00	5	5	1.00
150A	1.5	5	0.82	1.5	15	1.01	1.5	5	0.82	5	5	1.01	7.5	5	1.01
200A	2.5	5	0.58	2.5	15	0.93	2.5	5	0.58	10	5	0.93	15	5	0.78
250A	2.5	5	0.59	2.5	10	0.94	2.5	5	0.59	10	5	0.94	15	5	0.80
300A	2.5	5	0.61	5	10	0.96	2.5	5	0.61	10	5	0.63	15	5	0.66
400A	5	10	0.90	7.5	10	0.69	5	10	0.90	15	5	0.65	20	5	0.69
500A	5	10	0.80	10	10	0.71	5	10	0.80	15	5	0.71	20	5	0.71
600A	5	10	0.61	15	10	0.74	5	10	0.61	15	5	0.74	20	5	0.74
750A	7.5	10	0.72	20	10	0.78	7.5	10	0.72	20	5	0.78	30	5	0.78
800A	10	10	0.73	30	10	0.79	10	10	0.73	30	5	0.79	30	5	0.79

RISH Xmer Square Type Measuring CTs

RISH Xmer 74/40(45)



RISH Xmer 74/50(45)



CT Type	RISH Xmer 74/40(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
40A	-	-	-	-	-	-	-	-	-	-	-	-	1	5	0.83
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.84
60A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.76
75A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.76
80A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.76
100A	1	5	0.72	-	-	-	1	5	0.55	1.5	10	0.77	3.75	5	0.77
120A	1	5	0.73	-	-	-	1	5	0.55	1.5	10	0.78	2.5	5	0.78
125A	1	5	0.72	-	-	-	1	5	0.56	1.5	10	0.78	2.5	5	0.78
150A	1.5	5	0.73	1	10	0.85	1.5	5	0.56	3.75	5	0.79	5	5	0.79
200A	2.5	5	0.72	2.5	10	0.85	2.5	5	0.58	5	5	0.80	10	5	0.80
250A	5	5	0.73	3.75	10	0.82	5	5	0.59	5	5	0.82	10	5	0.82
300A	5	5	0.75	5	5	0.73	5	5	0.60	10	5	0.54	15	5	0.54
400A	5	5	0.77	10	5	0.76	5	5	0.55	10	5	0.57	15	5	0.57
500A	5	5	0.80	10	5	0.71	5	5	0.49	15	5	0.59	20	5	0.59
600A	5	10	0.69	15	5	0.74	5	10	0.51	15	5	0.62	20	5	0.62
750A	5	10	0.67	15	5	0.65	7.5	10	0.55	15	5	0.65	20	5	0.65
800A	7.5	5	0.68	15	5	0.67	10	5	0.56	15	5	0.67	20	5	0.67
1000A	10	5	0.71	15	5	0.71	10	5	0.58	15	5	0.71	20	5	0.71

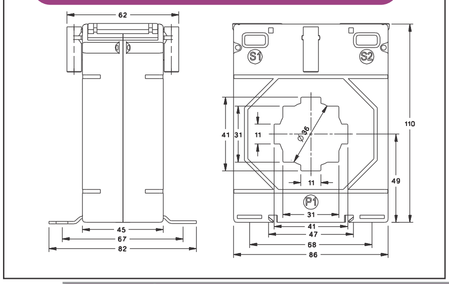
CT Type	RISH Xmer 74/50(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.50
120A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.50
125A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.50
150A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.51
200A	-	-	-	-	-	-	-	-	-	1.5	5	0.52	3.75	5	0.52
250A	1.5	5	0.54	1.5	10	0.54	1.5	5	0.54	2.5	5	0.49	5	5	0.49
300A	1.5	5	0.55	1.5	10	0.55	2.5	5	0.55	5	5	0.50	7.5	5	0.50
400A	2.5	5	0.58	2.5	5	0.58	2.5	5	0.58	5	5	0.53	7.5	5	0.53
500A	5	5	0.55	5	5	0.60	5	5	0.55	7.5	5	0.55	10	5	0.55
600A	5	5	0.58	7.5	5	0.58	5	5	0.58	10	5	0.58	12.5	5	0.58
750A	5	5	0.61	10	5	0.61	7.5	5	0.61	12.5	5	0.61	15	5	0.61
800A	7.5	5	0.62	10	5	0.62	10	5	0.62	12.5	5	0.62	15	5	0.62
1000A	10	5	0.67	10	5	0.67	15	5	0.67	12.5	5	0.67	15	5	0.67

RISH Xmer 86 (45) Series

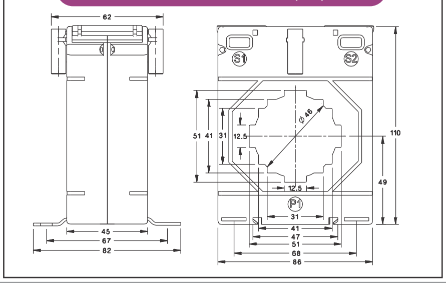
Busbar Type	RISH Xmer 86/40(45)	RISH Xmer 86/50(45)	RISH Xmer 86/60(45)
Cable Hole Dia (Ø)	36 mm	46 mm	51 mm
Busbar Size	40 x 10 mm 30 x 15 mm 2 x 30 x 10 mm	50 x 12 mm 40 x 15 mm 2 x 40 x 10 mm	60 x 12 mm 50 x 20 mm 2 x 50 x 10 mm
Depth	45 mm	45 mm	45 mm
Width	86 mm	86 mm	86 mm
Primary Current	50A to 1000A	100A to 1250A	100A to 1600A
Secondary Current	1A, 5A		
Accuracy Class	0.2S or 0.2 or 0.5S or 0.5 or 1		
Mounting options	Wall Mounting, DIN Rail Mounting & Busbar Mounting		

RISH Xmer Square Type Measuring CTs

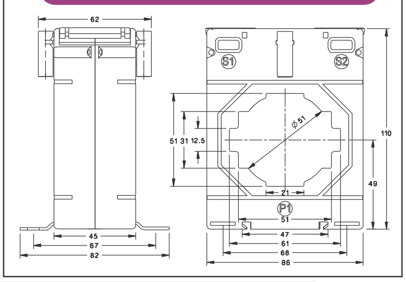
RISH Xmer 86/40(45)



RISH Xmer 86/50(45)



RISH Xmer 86/60(45)

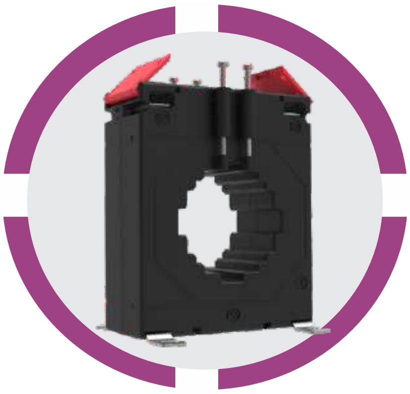


CT Type	RISH Xmer 86/40(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	1.00
60A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	1.01
75A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	1.01
80A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	1.01
100A	1.5	5	1.02	1.5	10	1.27	1.5	5	1.02	2.5	10	1.02	5	5	1.02
120A	1.5	5	1.03	1.5	10	1.28	1.5	5	1.03	2.5	10	1.03	5	5	1.03
125A	1.5	5	1.03	1.5	10	1.28	1.5	5	1.03	2.5	10	1.03	5	5	1.03
150A	2.5	5	0.85	2.5	10	1.29	2.5	5	0.85	5	10	1.04	10	5	0.92
200A	5	5	0.72	2.5	10	1.17	5	5	0.72	7.5	10	1.05	15	5	0.82
250A	10	5	0.73	5	10	1.18	10	5	0.73	7.5	5	1.07	15	5	0.84
300A	10	5	0.75	10	10	1.09	10	5	0.75	15	5	0.85	15	5	0.85
400A	10	15	1.10	15	10	1.10	10	15	1.10	15	5	0.88	20	5	0.88
500A	5	15	1.12	15	5	0.90	5	15	1.12	30	5	0.90	30	5	0.90
600A	7.5	10	0.93	15	5	0.93	7.5	10	0.93	30	5	0.93	30	5	0.93
750A	7.5	10	0.84	15	5	0.84	7.5	10	0.84	30	5	0.87	30	5	0.87
800A	10	10	0.85	15	5	0.85	10	10	0.85	30	5	0.88	30	5	0.88
1000A	10	10	0.90	15	5	0.90	10	10	0.90	30	5	0.94	30	5	0.94

CT Type	RISH Xmer 86/50(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	-	-	-	-	-	-	1	10	0.68	1.5	5	0.94
120A	-	-	-	-	-	-	-	-	-	1.5	10	0.68	2.5	5	0.68
125A	-	-	-	-	-	-	-	-	-	1.5	10	0.68	2.5	5	0.68
150A	-	-	-	-	-	-	-	-	-	2.5	5	0.68	5	5	0.68
200A	2.5	5	0.69	1	10	1.00	2.5	5	0.69	5	5	0.70	7.5	5	0.70
250A	2.5	5	0.67	1.5	10	1.00	2.5	5	0.67	7.5	5	0.71	10	5	0.71
300A	5	5	0.64	3.75	10	1.00	5	5	0.64	7.5	5	0.72	10	5	0.72
400A	7.5	5	0.67	5	10	0.94	7.5	5	0.67	15	5	0.75	15	5	0.75
500A	7.5	5	0.63	10	10	0.83	7.5	5	0.63	15	5	0.81	20	5	0.81
600A	10	5	0.66	15	10	0.83	10	5	0.66	15	5	0.68	20	5	0.83
750A	7.5	10	0.87	15	10	0.87	7.5	10	0.87	15	5	0.72	20	5	0.87
800A	10	10	0.88	12.5	5	0.90	10	10	0.88	20	5	0.73	30	5	0.88
1000A	10	5	0.78	20	5	0.78	15	5	0.78	30	5	0.94	30	5	0.94
1200A	12.5	5	0.83	20	5	0.83	15	5	0.83	30	5	0.83	30	5	0.83
1250A	12.5	5	0.84	20	5	0.84	15	5	0.84	30	5	0.84	30	5	0.84

CT Type	RISH Xmer 86/60(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	-	-	-	-	-	-	-	-	-	1	5	0.61
120A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.56
125A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.56
150A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	5	0.57
200A	-	-	-	-	-	-	-	-	-	1.5	5	0.58	3.75	5	0.58
250A	-	-	-	-	-	-	-	-	-	2.5	5	0.59	5	5	0.59
300A	2.5	5	0.67	1.5	10	0.67	2.5	5	0.67	5	5	0.61	7.5	5	0.61
400A	3.75	5	0.70	2.5	10	0.70	3.75	5	0.70	10	5	0.63	12.5	5	0.63
500A	5	5	0.72	3.75	10	0.67	2.5	5	0.72	10	5	0.66	15	5	0.66
600A	5	10	0.68	5	10	0.69	7.5	10	0.68	15	5	0.68	15	5	0.68
750A	5	10	0.79	10	5	0.72	7.5	10	0.79	15	5	0.72	20	5	0.72
800A	7.5	10	0.81	12.5	5	0.73	15	10	0.81	20	5	0.73	20	5	0.73
1000A	10	10	0.78	15	5	0.78	15	10	0.78	20	5	0.69	30	5	0.69
1200A	10	10	0.74	15	5	0.74	15	10	0.74	20	5	0.74	30	5	0.74
1250A	10	10	0.75	15	5	0.75	15	10	0.75	20	5	0.75	20	5	0.75
1500A	10	5	0.70	15	5	0.70	15	5	0.70	20	5	0.70	20	5	0.70
1600A	10	5	0.72	15	5	0.72	15	5	0.72	20	5	0.72	20	5	0.72

RISH Xmer Square Type Measuring CTs

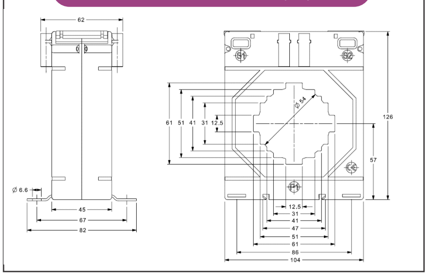


RISH Xmer 104 (45) Series

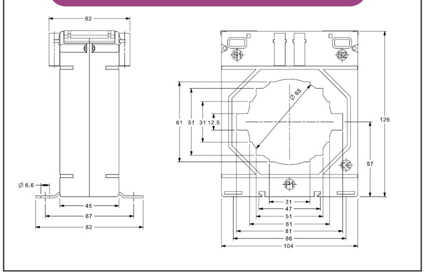
Busbar Type	RISH Xmer 104/60(45)	RISH Xmer 104/80(45)
Cable Hole Dia (Ø)	54 mm	65 mm
Busbar Size	60 x 12 mm 50 x 15 mm 40 x 20 mm	80 x 12 mm 60 x 15 mm 50 x 20 mm
Depth	45 mm	45 mm
Width	104 mm	104 mm
Primary Current	100A to 1600A	200A to 2000A
Secondary Current	1A, 5A	
Accuracy Class	0.2S or 0.2 or 0.5S or 0.5 or 1	
Mounting Options	Wall Mounting, DIN Rail Mounting & Busbar Mounting	

Dimensional Drawings :

RISH Xmer 104/60(45)



RISH Xmer 104/80(45)

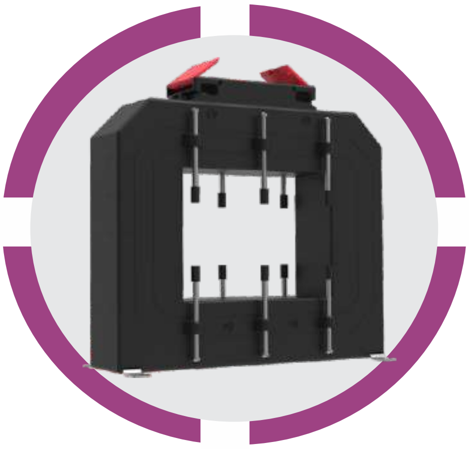


CT Type	RISH Xmer 104/60(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	10	0.93
120A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	10	0.93
125A	-	-	-	-	-	-	-	-	-	-	-	-	2.5	10	0.93
150A	-	-	-	-	-	-	-	-	-	2.5	10	0.94	5	5	0.94
200A	-	-	-	1	15	1.17	-	-	-	5	10	0.95	10	5	0.95
250A	-	-	-	2.5	15	1.14	-	-	-	7.5	5	0.97	12.5	5	1.01
300A	1.5	15	1.15	3.75	15	1.15	1.5	15	1.15	10	5	1.02	15	5	1.02
400A	2.5	15	1.18	7.5	15	1.18	2.5	15	1.18	10	5	0.88	15	5	0.88
500A	7.5	15	1.21	10	10	1.21	7.5	15	1.21	15	5	0.91	20	5	0.91
600A	15	15	1.11	15	10	1.11	15	15	1.11	15	5	0.93	30	5	0.93
750A	15	15	1.15	15	10	1.01	15	15	1.15	20	5	0.86	30	5	0.97
800A	15	15	1.16	15	10	1.02	15	15	1.16	30	5	0.87	30	5	0.87
1000A	15	10	0.91	20	5	0.91	15	10	0.91	30	5	0.91	45	5	1.04
1200A	15	10	0.96	30	5	0.96	15	10	0.96	30	5	0.96	45	5	0.96
1250A	15	10	0.97	30	5	0.97	15	10	0.97	30	5	0.97	45	5	0.97
1500A	15	10	0.86	30	5	0.86	15	10	0.86	30	5	0.86	45	5	1.03
1600A	15	10	0.88	30	5	0.88	15	10	0.88	30	5	0.88	45	5	1.05

CT Type	RISH Xmer 104/80(45)														
Accuracy Class	0.2S			0.2			0.5S		Weight (Kg)	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
200A	-	-	-	-	-	-	-	-	-	-	-	-	1.5	5	0.65
250A	-	-	-	-	-	-	-	-	-	1.5	10	0.66	2.5	5	0.66
300A	-	-	-	-	-	-	-	-	-	2.5	10	0.67	7.5	5	0.67
400A	-	-	-	1.5	10	0.70	-	-	-	7.5	5	0.64	10	5	0.64
500A	-	-	-	5	10	0.73	-	-	-	10	5	0.66	10	5	0.66
600A	3.75	10	0.80	5	10	0.68	3.75	10	0.80	10	5	0.68	12.5	5	0.68
750A	5	10	0.80	5	10	0.72	5	10	0.80	15	5	0.72	15	5	0.72
800A	5	10	0.81	7.5	5	0.73	5	10	0.81	15	5	0.73	15	5	0.73
1000A	15	10	0.78	12.5	5	0.78	15	10	0.78	20	5	0.78	30	5	0.78
1200A	15	5	0.83	15	5	0.83	15	5	0.83	20	5	0.83	30	5	0.83
1250A	15	5	0.84	15	5	0.84	15	5	0.84	20	5	0.84	30	5	0.84
1500A	15	5	0.80	15	5	0.80	15	5	0.80	20	5	0.80	30	5	0.80
1600A	10	5	0.82	15	5	0.82	10	5	0.82	20	5	0.82	30	5	0.82
2000A	10	5	0.90	15	5	0.90	10	5	0.90	20	5	0.90	30	5	0.90

RISH Xmer Square Type Measuring CTs

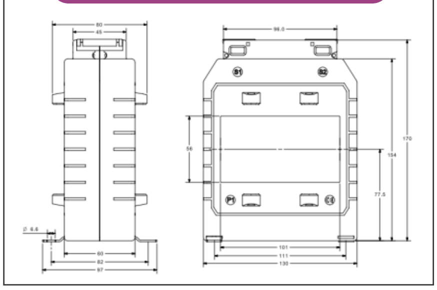
RISH Xmer 130 (50) Series



Busbar Type	RISH Xmer 130/100(50)
Busbar Size	101 x 56 mm
Depth	60 mm
Width	130 mm
Primary Current	600A to 3000A
Secondary Current	1A, 5A
Accuracy Class	0.2S or 0.2 or 0.5S or 0.5 or 1
Mounting Options	Wall Mounting & Bus bar Mounting

Dimensional Drawings :

RISH Xmer 130/100(50)



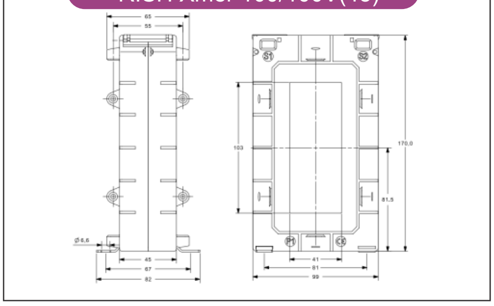
CT Type	RISH Xmer 130/100(50)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
600A	2.5	5	1.29	2.5	5	1.29	2.5	5	1.29	5	5	1.29	10	5	1.29
750A	3.75	5	1.34	5	5	1.34	3.75	5	1.34	10	5	1.34	10	5	1.34
800A	5	5	1.36	7.5	5	1.36	5	5	1.36	10	5	1.36	10	5	1.36
1000A	7.5	5	1.28	10	5	1.28	7.5	5	1.28	15	5	1.28	15	5	1.28
1200A	10	10	1.29	10	10	1.29	10	10	1.29	15	5	1.29	15	5	1.29
1250A	10	10	1.30	10	10	1.30	10	10	1.30	15	5	1.30	15	5	1.30
1500A	10	10	1.30	15	5	1.30	10	10	1.30	15	5	1.30	15	5	1.30
1600A	10	10	1.20	15	5	1.20	10	10	1.20	15	5	1.20	15	5	1.20
2000A	10	10	1.30	15	5	1.30	10	10	1.30	15	5	1.30	15	5	1.30
2500A	10	10	1.42	15	10	1.42	10	10	1.42	15	10	1.42	15	10	1.42
3000A	12.5	10	1.55	15	10	1.55	12.5	10	1.55	15	10	1.55	15	10	1.55

RISH Xmer Vertical Busbar Series

Busbar Type	RISH Xmer 100/100V (45)	RISH Xmer 100/130V (45)	RISH Xmer 140/100V (45)	RISH Xmer 140/130V (45)
Busbar Size	41 x 103 mm	38 x 128 mm	100 x 30 mm 2 X 80 X 15 mm 2 X 70 X 20 mm	70 x 130 mm
Depth	45 mm	45 mm	45 mm	45 mm
Width	100 mm	100 mm	140 mm	140 mm
Primary Current	400A to 2500A	400A to 3200A	200A to 3000A	400A to 5000A
Secondary Current	1A, 5A			
Accuracy Class	0.2s or 0.2 or 0.5s or 0.5 or 1	0.2 or 0.5 or 1	0.2s or 0.2 or 0.5s or 0.5 or 1	0.2 or 0.5 or 1
Mounting options	Wall Mounting & Busbar Mounting			

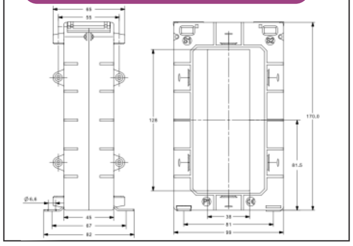
Dimensional Drawings :

RISH Xmer 100/100V(45)

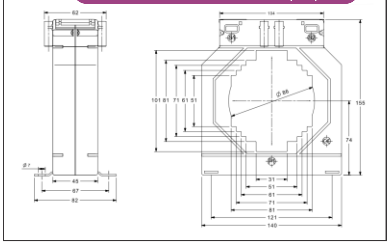


RISH Xmer Square Type Measuring CTs

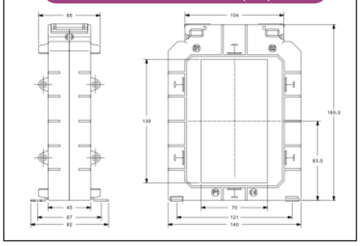
RISH Xmer 100/130V(45)



RISH Xmer 140/100V(45)



RISH Xmer 140/130V(45)



CT Type	RISH Xmer 100/100V(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight(Kg)
400A	-	-	-	-	-	-	-	-	-	2.5	10	0.79	5	5	0.79
500A	-	-	-	-	-	-	-	-	-	2.5	10	0.81	5	5	0.81
600A	-	-	-	-	-	-	-	-	-	2.5	10	0.83	5	5	0.83
750A	-	-	-	-	-	-	-	-	-	2.5	10	0.75	5	5	0.75
800A	-	-	-	-	-	-	-	-	-	5	10	0.76	10	5	0.76
1000A	-	-	-	5	10	0.79	-	-	-	10	5	0.79	15	5	0.79
1200A	5	10	0.96	5	10	0.83	5	10	0.96	10	5	0.83	15	5	0.83
1250A	5	10	0.97	5	10	0.84	5	10	0.97	10	5	0.84	15	5	0.84
1500A	5	10	1.02	5	10	0.89	5	10	1.02	15	5	0.89	30	5	0.89
1600A	7.5	10	0.90	10	10	0.90	7.5	10	0.90	15	5	0.90	30	5	0.90
2000A	7.5	10	0.98	10	10	0.98	7.5	10	0.98	15	5	0.98	30	5	0.98
2500A	10	10	1.07	10	10	1.07	10	10	1.07	15	10	1.07	20	5	1.07

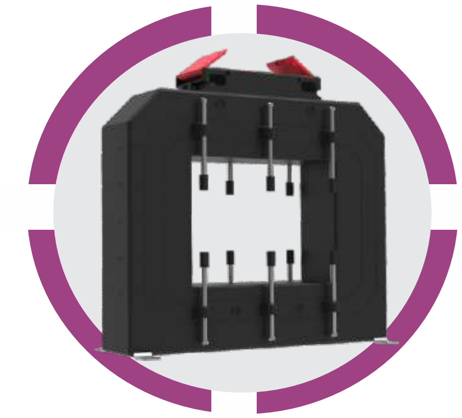
CT Type	RISH Xmer 100/130V(45)								
Accuracy Class	0.2			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
400A	-	-	-	2.5	10	0.79	5	5	0.79
500A	-	-	-	2.5	10	0.81	5	5	0.81
600A	-	-	-	2.5	10	0.83	5	5	0.83
750A	-	-	-	2.5	10	0.75	5	5	0.75
800A	-	-	-	5	10	0.76	10	5	0.76
1000A	-	-	-	10	5	0.79	15	5	0.79
1200A	-	-	-	10	5	0.83	15	5	0.83
1250A	-	-	-	10	5	0.84	15	5	0.84
1500A	5	10	0.89	15	5	0.89	30	5	0.89
1600A	5	10	0.90	15	5	0.90	30	5	0.90
2000A	5	10	0.98	15	5	0.98	30	5	0.98
2500A	5	10	1.07	15	10	1.07	30	5	1.07
3000A	5	10	1.16	10	10	1.16	12.5	10	1.16
3200A	5	10	1.20	10	10	1.20	12.5	10	1.20

CT Type	RISH Xmer 140/100V(45)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight(Kg)
200A	-	-	-	-	-	-	-	-	-	1.5	10	0.82	3.75	5	1.07
250A	-	-	-	-	-	-	-	-	-	2.5	10	0.83	5	5	1.08
300A	-	-	-	-	-	-	-	-	-	3.75	10	0.84	7.5	5	1.10
400A	-	-	-	1.5	15	0.87	-	-	-	10	10	0.87	10	5	1.12
500A	-	-	-	2.5	15	0.89	-	-	-	10	10	0.89	12.5	5	0.89
600A	2.5	15	1.42	3.75	15	0.92	5	15	1.42	12.5	5	0.92	15	5	0.92
750A	5	15	1.46	5	15	0.95	5	15	1.46	15	5	0.84	20	5	0.95
800A	5	10	1.23	5	10	0.97	5	10	1.23	15	5	0.85	20	5	0.97
1000A	10	10	1.01	10	5	1.01	10	10	1.01	15	5	0.78	20	5	0.90
1200A	10	5	0.94	15	5	1.06	15	5	0.94	15	5	0.81	30	5	1.06
1250A	10	5	0.95	15	5	1.08	15	5	0.95	15	5	0.82	30	5	1.08
1500A	15	5	0.87	20	5	0.87	15	5	0.87	30	5	1.00	30	5	1.00
1600A	15	5	0.89	20	5	0.89	15	5	0.89	45	5	1.16	45	5	1.16
2000A	15	5	0.96	30	5	0.96	15	5	0.96	45	5	1.11	45	5	1.11
2500A	15	5	1.05	30	5	1.05	20	5	1.05	45	5	1.05	45	5	1.05
3000A	15	5	1.14	30	5	1.14	20	5	1.14	60	5	1.14	60	5	1.14

CT Type	RISH Xmer 140/130V(45)								
Accuracy Class	0.2			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
400A	-	-	-	3.75	10	0.99	5	10	0.99
500A	-	-	-	3.75	10	1.01	5	10	1.01
600A	-	-	-	3.75	10	1.03	5	10	1.03
750A	-	-	-	5	10	1.06	7.5	10	1.06
800A	-	-	-	5	10	1.07	7.5	10	1.07
1000A	5	10	1.11	10	10	1.11	10	10	1.11
1200A	7.5	10	1.15	10	10	1.15	15	10	1.15
1250A	7.5	10	1.16	10	10	1.16	15	10	1.16
1500A	10	10	1.21	15	10	1.21	15	10	1.21
1600A	10	10	1.37	15	10	1.37	15	10	1.37
2000A	15	10	1.45	20	10	1.45	20	10	1.45
2500A	15	10	1.83	20	10	1.83	20	10	1.83
3000A	15	10	1.95	20	10	1.95	20	10	1.95
3200A	15	10	2.00	20	10	2.00	20	10	2.00
4000A	15	15	2.19	20	10	2.19	20	10	2.19
5000A	15	15	2.43	20	15	2.43	20	15	2.43

RISH Xmer Square Type Measuring CTs

RoHS

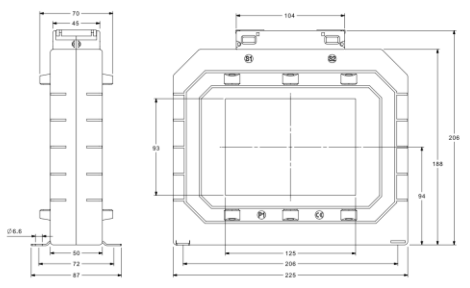


RISH Xmer 225 (50) Series

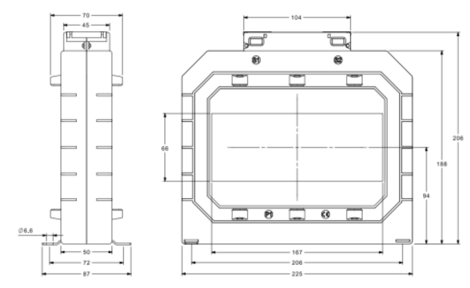
Busbar Type	RISH Xmer 225/125(50)	RISH Xmer 225/167(50)
Busbar Size	125 x 93 mm	167 x 66 mm
Depth	50 mm	50 mm
Width	225 mm	225 mm
Primary Current	600A to 6000A	1000A to 7500A
Secondary Current	1A, 5A	
Accuracy Class	0.2S or 0.2 or 0.5S or 0.5 or 1	
Mounting Options	Wall Mounting & Bus bar Mounting	

Dimensional Drawings :

RISH Xmer 225/125(50)



RISH Xmer 225/167(50)



CT Type	RISH Xmer 225/125(50)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
600A	-	-	-	5	10	1.49	-	-	-	5	10	1.49	10	10	1.49
750A	-	-	-	5	10	1.52	-	-	-	10	10	1.52	10	10	1.52
800A	-	-	-	5	10	1.54	-	-	-	10	10	1.54	10	10	1.54
1000A	5	10	1.58	10	10	1.58	5	10	1.58	10	10	1.58	15	10	1.58
1200A	5	10	1.63	10	10	1.63	5	10	1.63	10	10	1.63	15	10	1.63
1250A	5	10	1.64	10	10	1.64	5	10	1.64	10	10	1.64	15	10	1.64
1500A	7.5	10	1.70	10	10	1.70	7.5	10	1.70	15	10	1.70	30	5	1.70
1600A	7.5	10	1.72	10	10	1.72	7.5	10	1.72	15	10	1.72	30	5	1.72
2000A	10	10	1.81	10	10	1.81	10	10	1.81	15	10	1.81	30	5	1.81
2500A	10	10	1.93	15	10	1.93	10	10	1.93	30	10	1.93	30	5	1.93
3000A	10	10	2.04	15	10	2.04	10	10	2.04	30	10	2.04	60	5	2.04
4000A	15	10	2.27	30	10	2.27	15	10	2.27	45	10	2.27	60	5	2.27
5000A	15	15	2.50	30	15	2.50	15	15	2.50	100	5	2.50	100	5	2.50
6000A	15	15	2.73	60	15	2.73	15	15	2.73	100	5	2.73	100	5	2.73

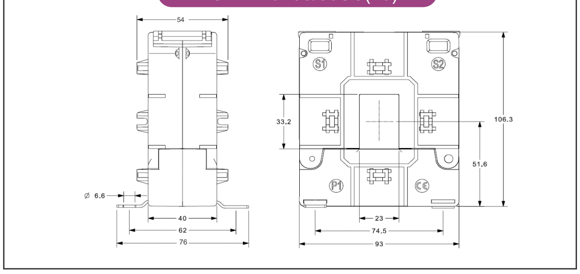
CT Type	RISH Xmer 225/167(50)														
Accuracy Class	0.2S			0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
1000A	-	-	-	3.75	10	1.58	-	-	-	5	10	1.58	10	10	1.58
1200A	-	-	-	5	10	1.63	-	-	-	10	10	1.63	15	10	1.63
1250A	-	-	-	5	10	1.64	-	-	-	10	10	1.64	15	10	1.64
1500A	5	10	1.70	10	10	1.70	5	10	1.70	15	10	1.70	30	5	1.70
1600A	5	10	1.72	10	10	1.72	5	10	1.72	15	10	1.72	30	5	1.72
2000A	7.5	10	1.81	10	10	1.81	7.5	10	1.81	30	10	1.81	30	5	1.81
2500A	10	10	1.93	15	10	1.93	10	10	1.93	30	10	1.93	45	5	1.93
3000A	10	10	2.04	15	10	2.04	10	10	2.04	30	10	2.04	45	5	2.04
4000A	10	15	2.27	15	10	2.27	10	15	2.27	30	10	2.27	45	10	2.27
5000A	15	15	2.50	20	10	2.50	15	15	2.50	30	10	2.50	45	10	2.50
6000A	15	15	2.73	20	10	2.73	15	15	2.73	30	10	2.73	45	10	2.73
7500A	15	15	3.07	20	15	3.07	15	15	3.07	30	10	3.07	45	10	3.07

RISH Split Core Series

Busbar Type	RISH Xmer 93/30SC (40)	RISH Xmer 105/50SC (50)	RISH Xmer 125/50SC (40)	RISH Xmer 155/80SC (40)	RISH Xmer 195/80SC (64)
Busbar Size	23 x 33 mm	43 x 55 mm	55 x 85 mm	85 x 125 mm	85 x 172 mm
Depth	40 mm	50 mm	40 mm	40 mm	64 mm
Width	93 mm	108 mm	125 mm	155 mm	195 mm
Primary Current	100A to 400A	100A to 800A	250A to 2000A	250A to 3000A	250A to 5000A
Secondary Current	1A, 5A				
Accuracy Class	0.5 or 1 or 3	0.5 or 1			
Mounting	Wall Mounting, Busbar or Cable Mounting				

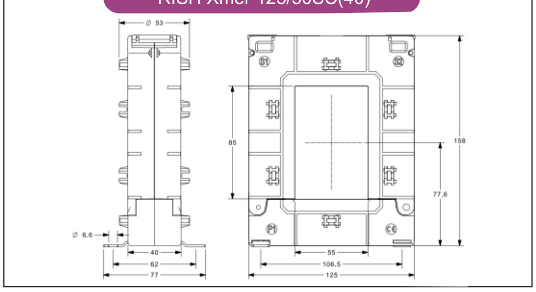
Dimensional Drawings :

RISH Xmer 93/30SC(40)



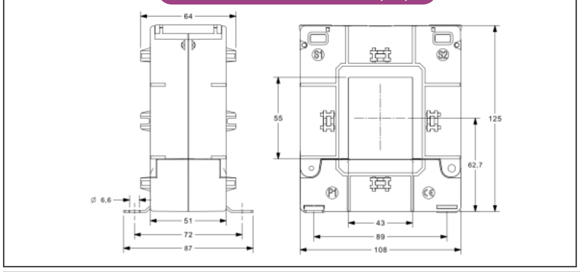
CT Type	RISH Xmer 93/30SC(40)								
Accuracy Class	0.5			1			3		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	1.5	10	0.83	3.5	10	0.83
150A	-	-	-	1.75	10	0.84	3.75	10	0.84
200A	-	-	-	2.5	10	0.85	5	10	0.85
250A	-	-	-	3.75	10	0.86	6.25	10	0.86
300A	2.5	10	0.87	5	10	0.87	6.25	10	0.87
400A	3.75	10	0.89	6.25	10	0.89	10	10	0.89

RISH Xmer 125/50SC(40)



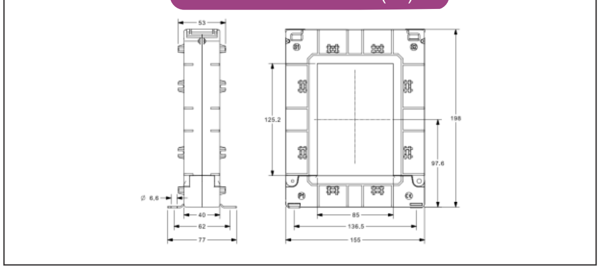
CT Type	RISH Xmer 125/50SC(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
250A	1	10	1.24	2.5	10	1.24
300A	2.5	10	1.25	3.75	10	1.25
400A	2.5	10	1.27	3.75	10	1.27
500A	3.75	10	1.30	5	10	1.30
600A	5	10	1.32	7.5	10	1.32
750A	7.5	10	1.36	10	10	1.36
800A	7.5	10	1.37	10	10	1.37
1000A	10	10	1.42	15	10	1.42
1200A	10	10	1.47	15	10	1.47
1250A	10	10	1.48	15	10	1.48
1500A	10	10	1.54	15	10	1.54
1600A	10	10	1.57	15	10	1.57
2000A	10	10	1.66	15	10	1.57

RISH Xmer 105/50SC(50)



CT Type	RISH Xmer 105/50SC(50)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	-	-	-	1.5	15	1.76
125A	-	-	-	1.5	15	1.94
150A	-	-	-	1.5	15	2.01
200A	1.5	15	2.01	1.5	15	2.09
250A	2.5	15	2.09	1.75	15	2.16
300A	2.5	15	2.16	3.75	15	2.30
400A	5	15	2.30	5	15	2.45
500A	5	15	2.45	7.5	15	2.59
600A	6.25	15	2.59	7.5	15	2.81
750A	7.5	15	2.81	10	15	2.88
800A	7.5	15	2.88	12.5	15	2.88

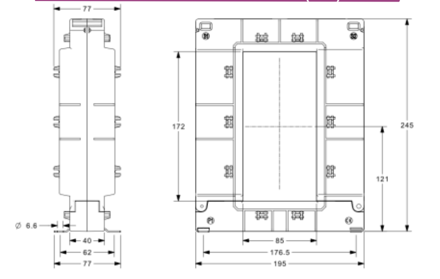
RISH Xmer 155/80SC(40)



CT Type	RISH Xmer 155/80SC(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
250A	1	10	1.52	2.5	10	1.52
300A	1.5	10	1.53	3.75	10	1.53
400A	2.5	10	1.56	3.75	10	1.56
500A	3.75	10	1.58	5	10	1.58
600A	5	10	1.60	7.5	10	1.60
750A	7.5	10	1.64	10	10	1.64
800A	7.5	10	1.65	10	10	1.65
1000A	10	10	1.70	15	10	1.70
1200A	15	10	1.75	30	10	1.75
1250A	15	10	1.76	30	10	1.76
1500A	20	10	1.83	45	10	1.83
1600A	20	10	1.85	45	10	1.85
2000A	20	10	1.95	45	10	1.95
2500A	25	10	2.07	45	10	2.07
3000A	30	10	2.19	45	10	2.19

RISH Split Core Series

RISH Xmer 195/80SC(64)



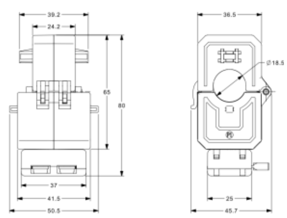
CT Type	RISH Xmer 195/80SC(64)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
500A	1.25	30	4.21	5	30	4.21
600A	1.25	30	4.24	5	30	4.24
750A	5	30	4.30	10	30	4.30
800A	7.5	30	4.32	10	30	4.32
1000A	10	30	4.39	20	30	4.39
1200A	15	30	4.46	20	30	4.46
1250A	15	30	4.48	20	30	4.48
1500A	20	30	4.56	30	30	4.56
1600A	20	30	4.60	30	30	4.60
2000A	25	30	4.74	30	30	4.74
2500A	25	30	4.92	30	30	4.92
3000A	30	30	5.10	45	30	5.10
3200A	30	30	5.10	45	30	5.10
4000A	30	30	5.45	45	30	5.45
5000A	30	30	5.81	45	30	5.81

RISH Compact Split Core CT

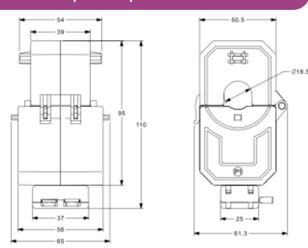
Busbar Type	Compact Split CT 36-18	Compact Split CT 50-18	Compact Split CT 50-32
Cable Hole Dia (Ø)	18.5 mm	18.5 mm	32.5 mm
Width	24.2 mm	39.2 mm	39.2 mm
Depth	36.5 mm	50.5 mm	50.5 mm
Primary Current	60A to 100A	100A to 250A	200A to 500A
Secondary Current	1A	1A, 5A	
Accuracy Class	3	1 or 3	
Mounting	Cable Mounting		

Dimensional Drawings :

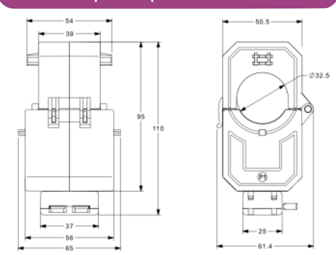
Compact Split CT 36-18



Compact Split CT 50-18



Compact Split CT 50-32



CT Type	Compact Split CT 36-18		
Accuracy Class	3		
Primary Current*	Max VA	ISF	Weight (Kg)
60A	0.2	15	0.46
75A	0.2	15	0.46
80A	0.2	15	0.47
100A	0.2	15	0.47

* - Secondary Current is 1A only

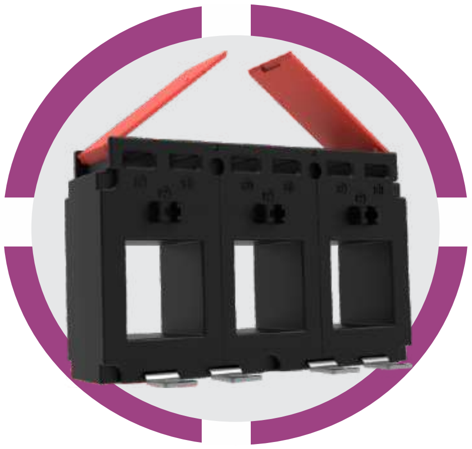
CT Type	Compact Split CT 50-18					
Accuracy Class	1			3		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A*	-	-	-	0.2	15	0.65
125A*	-	-	-	0.2	15	0.65
150A	0.2	15	0.66	-	-	-
200A	0.2	15	0.76	-	-	-
250A	1	15	0.80	-	-	-

* - Available with Secondary Current 1A only

CT Type	Compact Split CT 50-32					
Accuracy Class	1			3		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
200A*	-	-	-	0.2	15	0.58
250A	0.2	15	0.67	-	-	-
300A	0.2	15	0.71	-	-	-
400A	0.2	15	0.77	-	-	-
500A	0.2	15	0.83	-	-	-

* - Available with Secondary Current 1A only

RISH Xmer 3 Phase Series

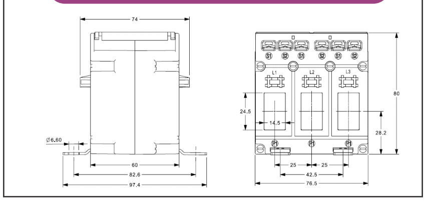


Busbar Type	RISH Xmer 3PH 75-15(60)	RISH Xmer 3PH 105-21(40)	RISH Xmer 3PH 140-31(40)	RISH Xmer 3PH 185-27(45)	RISH Xmer 3PH 185-37(45)
Cable Hole Dia (Ø)	-	-	-	27 mm	37 mm
Busbar Size	14 x 24 mm	20 x 24 mm	31 x 36 mm	-	-
Depth	60 mm	40 mm	40 mm	45 mm	45 mm
Width	75 mm	105 mm	140 mm	185 mm	185 mm
Primary Current	100A to 160A	100A to 250A	250A to 500A	40A to 500A	300A to 800A
Secondary Current	1A, 5A				
Accuracy Class	0.5 or 1 or 3			1 or 3	
Mounting	Wall Mounting, DIN Rail Mounting & Busbar or Cable Mounting				

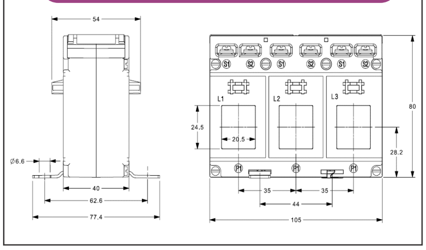
Dimensional Drawings :

Busbar Conductor :

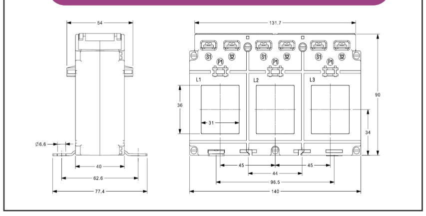
RISH Xmer 3PH 75-15(60)



RISH Xmer 3PH 105-21(40)



RISH Xmer 3PH 140-31(40)



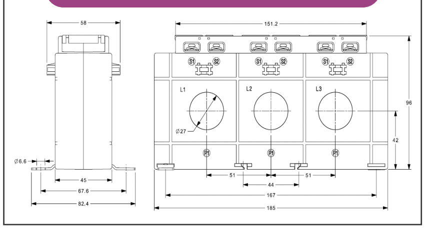
CT Type	RISH Xmer 3PH 75-15(60)								
Accuracy Class	0.5			1			3		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
100A	-	-	-	1	5	1.77	2.5	5	1.77
125A	-	-	-	1.5	5	1.84	2.5	5	1.83
150A	1.5	5	1.94	1.5	5	1.93	2.5	5	1.92
160A	1.5	5	1.97	1.5	5	1.95	2.5	5	1.94

CT Type	RISH Xmer 3PH 105-21(40)								
Accuracy Class	0.5			1			3		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
100A	-	-	-	1	5	0.69	2	5	0.68
125A	-	-	-	1.5	5	0.72	2.5	5	0.72
150A	-	-	-	1.5	5	0.74	2.5	5	0.73
160A	1.5	5	0.77	1.5	5	0.75	2.5	5	0.74
200A	1.5	5	0.83	1.5	5	0.82	2.5	5	0.81
250A	1.5	5	0.91	1.5	5	0.91	2.5	5	0.89

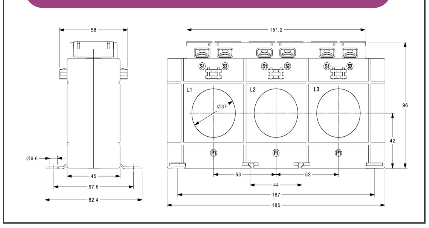
CT Type	RISH Xmer 3PH 140-31(40)								
Accuracy Class	0.5			1			3		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight(Kg)
250A	1.5	5	0.82	1.5	5	0.82	2.5	5	0.82
300A	2.5	5	0.85	2.5	5	0.85	3.75	5	0.85
400A	2.5	5	0.84	2.5	5	0.84	3.75	5	0.84
500A	2.5	5	0.98	2.5	5	0.98	3.75	5	0.98

Cable Conductor Type :

RISH Xmer 3PH 185-27(45)



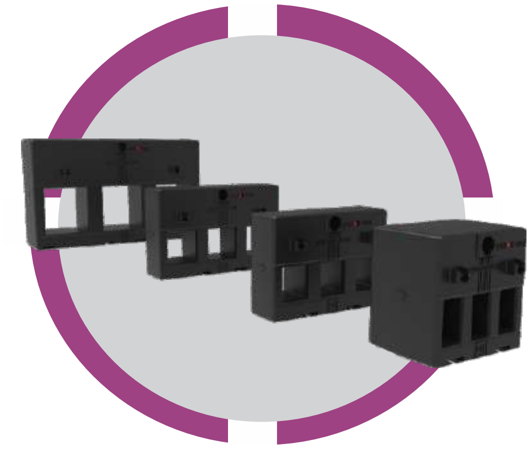
RISH Xmer 3PH 185-37(45)



CT Type	RISH Xmer 3PH 185-27(45)					
Accuracy Class	1			3		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
40A	-	-	-	1.25	5	1.13
60A	-	-	-	1.5	5	1.18
80A	-	-	-	1.5	5	1.19
100A	1.5	5	1.23	1.5	5	1.21
125A	1.5	10	1.25	1.5	10	1.25
150A	1.5	10	1.30	1.5	10	1.28
160A	1.5	10	1.35	1.5	10	1.33
200A	2.5	10	1.41	2.5	10	1.39
250A	2.5	5	1.10	2.5	5	1.07
300A	5	5	1.19	5	5	1.17
400A	5	5	1.18	5	5	1.15
500A	5	5	1.34	5	5	1.26

CT Type	RISH Xmer 3PH 185-37(45)					
Accuracy Class	1			3		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
300A	2.5	5	0.60	2.5	5	0.60
400A	5	5	0.69	5	5	0.69
500A	5	5	0.93	5	5	0.93
600A	5	5	0.91	5	5	0.91
800A	5	5	1.00	5	5	1.00

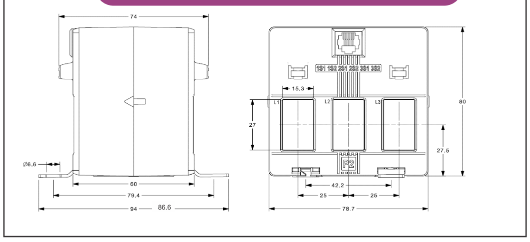
RISH Xmer 3 Phase RJ12 Series



Busbar Type	RISH Xmer 3PH RJ12 75	RISH Xmer 3PH RJ12 105	RISH Xmer 3PH RJ12 140	RISH Xmer 3PH RJ12 215
Busbar Size	15.3 x 27 mm	22 x 25 mm	31 x 31 mm	50.2 x 54 mm
Depth	60 mm	35 mm	38 mm	55.8 mm
Width	78.7 mm	108.7 mm	138.7 mm	215.5 mm
Primary Current	60A to 160A	60A to 250A	250A to 630A	750A to 800A
Secondary Current	100 mA			
Accuracy Class	1			
Mounting Options	Wall Mounting, DIN Rail Mounting & Busbar or Cable Mounting			

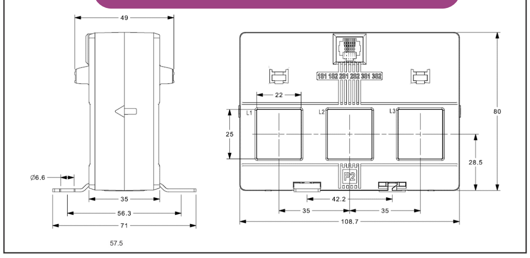
Dimensional Drawings :

RISH Xmer 3PH RJ12 75



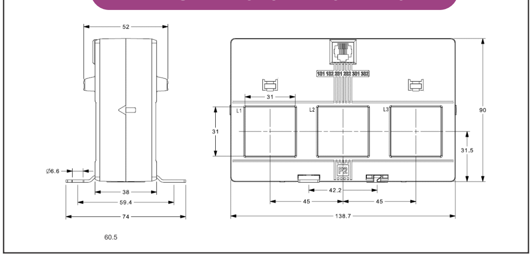
CT Type	RISH Xmer 3PH RJ12 75		
Accuracy Class	1		
Primary Current	Max VA	ISF	Weight (Kg)
60A	0.25	5	0.41
100A	0.25	5	0.38
125A	0.25	5	0.40
150A	0.25	5	0.40
160A	0.25	5	0.38

RISH Xmer 3PH RJ12 105



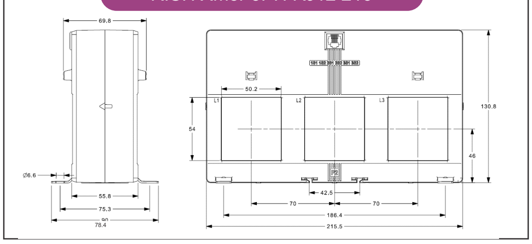
CT Type	RISH Xmer 3PH RJ12 105		
Accuracy Class	1		
Primary Current	Max VA	ISF	Weight (Kg)
60A	0.25	5	0.36
100A	0.25	5	0.38
125A	0.35	5	0.40
150A	0.35	5	0.36
160A	0.5	5	0.30
200A	0.5	5	0.32
250A	0.5	5	0.34

RISH Xmer 3PH RJ12 140



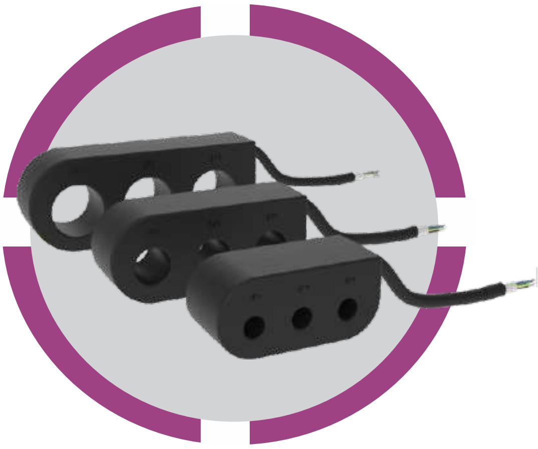
CT Type	RISH Xmer 3PH RJ12 140		
Accuracy Class	1		
Primary Current	Max VA	ISF	Weight (Kg)
250A	0.25	5	0.39
300A	0.25	5	0.39
400A	0.25	5	0.39
500A	0.25	5	0.45
630A	0.25	5	0.49

RISH Xmer 3PH RJ12 215



CT Type	RISH Xmer 3PH RJ12 215		
Accuracy Class	1		
Primary Current	Max VA	ISF	Weight (Kg)
750A	0.5	10	0.87
800A	0.5	10	0.90

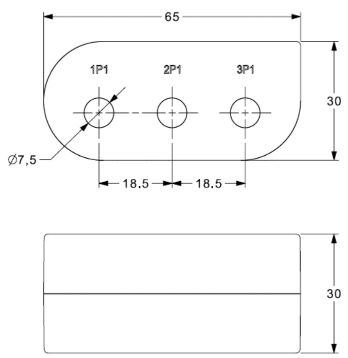
RISH Xmer 3 Phase Nano Series



Busbar Type	Without RJ12 Connector			With RJ12 Connector		
	RISH Xmer Nano 3PH CT (63)	RISH Xmer Nano 3PH CT (125A)	RISH Xmer Nano 3PH CT (250A)	RISH Xmer Nano 3PH CT (RJ12-65)	RISH Xmer Nano 3PH CT (RJ12-90)	RISH Xmer Nano 3PH CT (RJ12-116)
Cable Hole Dia (Ø)	7.5 mm	15 mm	25.5 mm	8 mm	15 mm	26 mm
Depth	30 mm	30 mm	30 mm	30 mm	35 mm	38 mm
Width	65 mm	90.3 mm	120 mm	65 mm	90.3 mm	120 mm
Primary Current	63A	125A	250A	63A	125A	250A
Secondary Current	100 mA					
Accuracy Class	0.5					
Mounting Options	Cable Mounting					

Dimensional Drawings :

RISH Xmer Nano 3Ph CT (63A) and
RISH Xmer Nano 3Ph CT (RJ12-65)



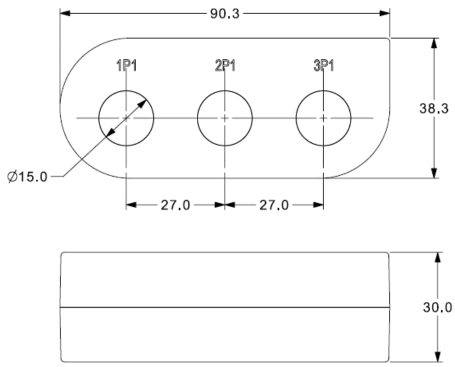
CT Type	RISH Xmer Nano 3Ph CT (63A)		
Accuracy Class	0.5		
Primary Current	Max VA	ISF	Weight (Kg)
63A	0.1	5	0.10

Note : Supplied with integrated cable of 1.5m length

CT Type	RISH Xmer Nano 3Ph CT (RJ12-65)		
Accuracy Class	0.5		
Primary Current	Max VA	ISF	Weight (Kg)
63A	0.1	5	0.10

Note : Supplied with integrated RJ12 cable of 1.5m length

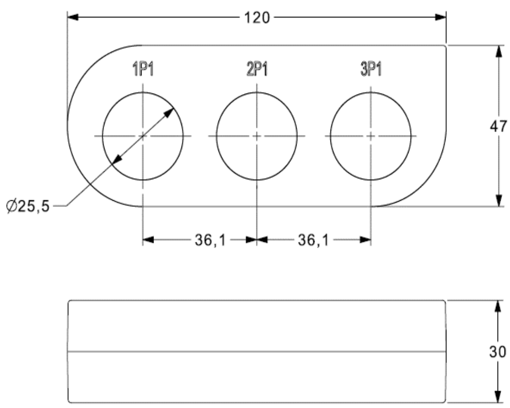
RISH Xmer Nano 3Ph CT (125A) and
RISH Xmer Nano 3Ph CT (RJ12-90)



CT Type	RISH Xmer Nano 3Ph CT (125A)		
Accuracy Class	0.5		
Primary Current	Max VA	ISF	Weight (Kg)
125A	0.1	5	0.13

CT Type	RISH Xmer Nano 3Ph CT (RJ12-90)		
Accuracy Class	0.5		
Primary Current	Max VA	ISF	Weight (Kg)
125A	0.1	5	0.13

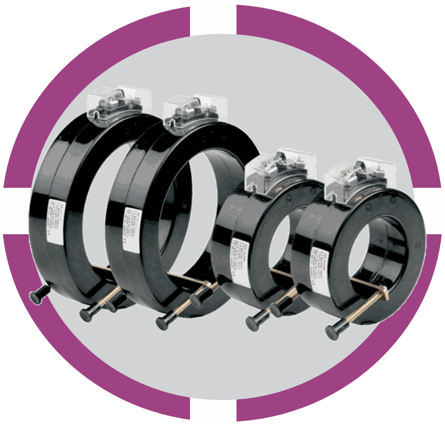
RISH Xmer Nano 3Ph CT (250A) and
RISH Xmer Nano 3Ph CT (RJ12-116)



CT Type	RISH Xmer Nano 3Ph CT (250A)		
Accuracy Class	0.5		
Primary Current	Max VA	ISF	Weight (Kg)
250A	0.1	5	0.19

CT Type	RISH Xmer Nano 3Ph CT (RJ12-116)		
Accuracy Class	0.5		
Primary Current	Max VA	ISF	Weight (Kg)
250A	0.1	5	0.19

RISH TW Series



Round Type	RISH CT TW-1	RISH CT TW-2	RISH CT TW-3
Cable Hole Dia (Ø)	30 mm	30 mm	43 mm
Depth	40 mm	50 mm	41 mm
Outer Dia (Ø)	73 mm	73 mm	92 mm
Primary Current	50A to 200A	50A to 200A	75A to 300A
Secondary Current	1A, 5A		
Accuracy Class	0.5 or 1	0.2 or 0.5S or 0.5 or 1	
Mounting	Wall Mounting, Busbar or Cable Mounting		

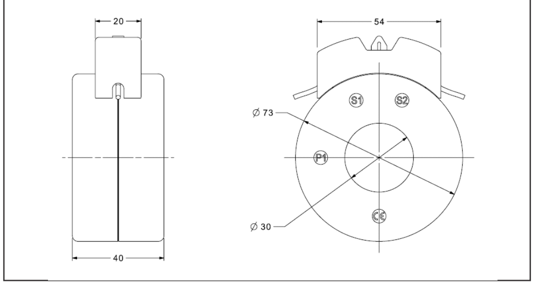
Round Type	RISH CT TW-4	RISH CT TW-5	RISH CT TW-6
Cable Hole Dia (Ø)	58 mm	72 mm	113 mm
Depth	41 mm	41 mm	40 mm
Outer Dia (Ø)	100 mm	110 mm	159 mm
Primary Current	120A to 600A	200A to 1000A	600A to 3200A
Secondary Current	1A, 5A		
Accuracy Class	0.2 or 0.5S or 0.5 or 1		
Mounting options	Wall Mounting, Busbar or Cable Mounting		

Bus bar Mounting

Wall Mounting

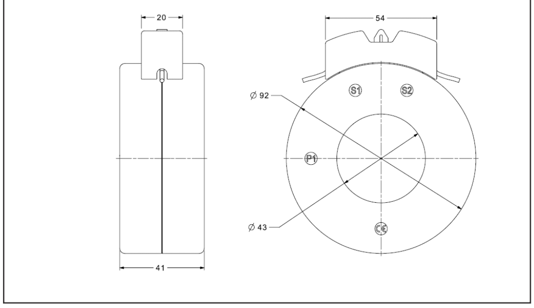
Dimensional Drawings :

RISH CT TW-1



CT Type	RISH CT TW-1					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	1.5	10	0.80
60A	-	-	-	1.5	10	0.80
75A	-	-	-	1.5	10	0.81
80A	-	-	-	1.5	5	0.81
100A	1.5	10	0.66	2.5	5	0.66
120A	1.5	10	0.53	2.5	5	0.53
125A	2.5	5	0.53	3.75	5	0.53
150A	2.5	5	0.54	5	5	0.54
200A	5	5	0.55	10	5	0.55

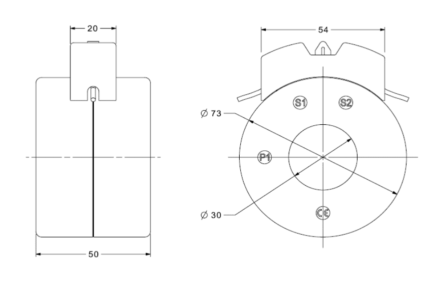
RISH CT TW-2



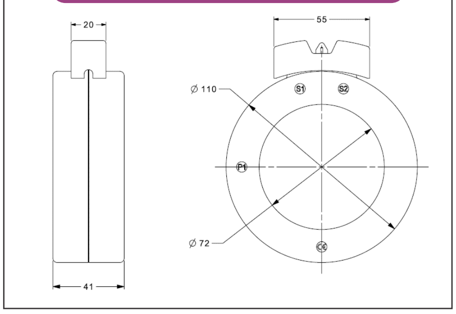
CT Type	RISH CT TW-2											
Accuracy Class	0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	-	-	-	1.5	10	0.73
60A	-	-	-	-	-	-	-	-	-	1.5	10	0.73
75A	-	-	-	-	-	-	1.5	10	0.76	2.5	5	0.74
80A	-	-	-	-	-	-	1.5	10	0.76	2.5	5	0.74
100A	-	-	-	-	-	-	2.5	10	0.75	5	5	0.75
120A	-	-	-	-	-	-	2.5	10	0.75	5	5	0.75
125A	-	-	-	-	-	-	2.5	10	0.75	5	5	0.75
150A	-	-	-	2.5	10	0.76	5	5	0.76	10	5	0.76
200A	2.5	10	0.78	5	10	0.78	10	5	0.78	15	5	0.78

RISH TW Series

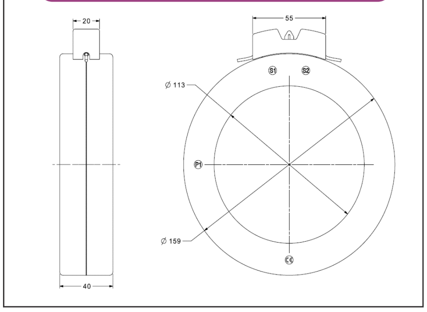
RISH CT TW-4



RISH CT TW-5



RISH CT TW-6



CT Type	RISH CT TW-3											
Accuracy Class	0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
75A	-	-	-	-	-	-	-	-	-	1	10	0.79
80A	-	-	-	-	-	-	-	-	-	1.5	10	0.79
100A	-	-	-	-	-	-	1	10	0.79	2.5	10	0.79
120A	-	-	-	-	-	-	1	10	0.80	2.5	10	0.80
125A	-	-	-	-	-	-	1	10	0.80	2.5	10	0.80
150A	-	-	-	-	-	-	1.5	10	0.81	3.75	5	0.68
200A	1.5	10	0.82	5	5	0.82	5	5	0.82	10	5	0.82
250A	2.5	10	0.84	7.5	5	0.84	7.5	5	0.84	15	5	0.84
300A	3.75	10	0.85	10	5	0.85	10	5	0.85	20	5	0.85

CT Type	RISH CT TW-4											
Accuracy Class	0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
120A	-	-	-	-	-	-	-	-	-	1	10	0.73
125A	-	-	-	-	-	-	-	-	-	1.5	10	0.74
150A	-	-	-	-	-	-	1	10	0.74	2.5	10	0.74
200A	-	-	-	1.5	10	0.76	2.5	10	0.76	5	5	0.76
250A	-	-	-	2.5	10	0.77	3.75	10	0.77	7.5	5	0.77
300A	-	-	-	3.75	10	0.79	5	5	0.79	10	5	0.79
400A	5	10	0.81	7.5	5	0.81	10	5	0.81	20	5	0.81
500A	7.5	10	0.84	10	5	0.84	15	5	0.84	25	5	0.84
600A	10	5	0.87	15	5	0.87	15	5	0.87	25	5	0.87

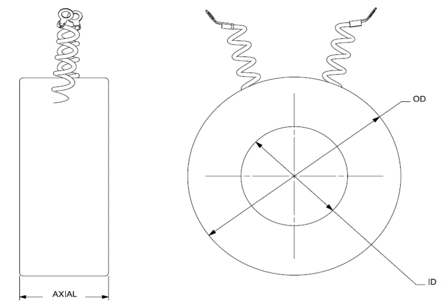
CT Type	RISH CT TW-5											
Accuracy Class	0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
200A	-	-	-	-	-	-	-	-	-	1.5	10	0.64
250A	-	-	-	-	-	-	1.5	10	0.65	2.5	5	0.65
300A	-	-	-	-	-	-	2.5	5	0.66	5	5	0.66
400A	2.5	10	0.69	5	10	0.69	7.5	5	0.69	12.5	5	0.69
500A	3.75	10	0.72	7.5	5	0.72	10	5	0.72	15	5	0.72
600A	5	10	0.74	7.5	5	0.74	10	5	0.74	15	5	0.74
800A	10	5	0.80	15	5	0.80	15	5	0.80	30	5	0.80
1000A	10	5	0.75	15	5	0.75	15	5	0.75	30	5	0.75

CT Type	RISH CT TW-6											
Accuracy Class	0.2			0.5S			0.5			1		
Primary Current	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)	Max VA	ISF	Weight(Kg)
600A	1.5	10	0.82	3.75	10	0.94	5	10	0.94	10	5	0.94
800A	2.5	10	0.87	7.5	10	1.00	10	5	1.00	15	5	1.00
1000A	3.75	10	0.92	7.5	10	1.05	10	5	1.05	15	5	1.05
1200A	15	10	1.10	15	10	1.10	20	5	1.10	30	5	1.10
1250A	15	10	1.12	15	10	1.12	20	5	1.12	30	5	1.12
1500A	15	10	1.18	15	5	1.03	20	5	0.88	30	5	1.03
1600A	15	10	1.06	15	5	1.06	20	5	1.06	30	5	0.90
2000A	15	10	1.15	20	5	1.15	25	5	0.98	45	5	0.98
2500A	15	10	1.08	20	5	1.26	25	5	1.08	45	5	1.08
3000A	15	10	1.18	25	5	1.18	30	5	1.18	45	5	1.18
3200A	15	10	1.22	25	5	1.22	30	5	1.22	45	5	1.22

Busbar Type	RISH CT TW-E 73/30 (50)	RISH CT TW-E 80/30 (100)	RISH CT TW-E 92/43 (41)	RISH CT TW-E 95/50 (40)	RISH CT TW-E 100/58 (41)	RISH CT TW-E 110/72 (41)
Cable Hole Dia (Ø)	30 mm	30 mm	43 mm	50 mm	58 mm	72 mm
Depth	50 mm	100 mm	41 mm	40 mm	41 mm	41 mm
Outer Dia (Ø)	73 mm	80 mm	93 mm	95 mm	100 mm	110 mm
Primary Current	50A to 200A	100A to 150A	200A to 400A	200A to 300A	400A to 600A	800A to 1000A
Secondary Current	1A, 5A					
Accuracy Class	0.5 or 1					
Encapsulation	Yes	No	Yes	Yes	Yes	Yes
Mounting Options	Wall Mounting, Busbar or Cable Mounting					

Dimensional Drawings :

RISH CT TW-E 73/30(50)



Dimensional Details			
Model	OD	ID	Axial
RISH CT TW-E 73/30(50)	73	30	50
RISH CT TW-E 80/30(100)	80	30	100
RISH CT TW-E 92/43(41)	92	43	41
RISH CT TW-E 95/50(40)	95	50	40
RISH CT TW-E 100/58(41)	100	58	41
RISH CT TW-E 110/72(41)	110	72	41

CT Type	RISH CT TW-E 73/30(50)								
Accuracy Class	0.5			1			5		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
50A	-	-	-	-	-	-	5	5	0.67
60A	-	-	-	-	-	-	5	5	0.67
75A	-	-	-	-	-	-	5	5	0.67
100A	2.5	5	0.68	5	5	0.68	-	-	-
120A	2.5	5	0.68	5	5	0.69	-	-	-
125A	2.5	5	0.68	5	5	0.69	-	-	-
150A	5	5	0.70	5	5	0.70	-	-	-
200A	10	5	0.71	15	5	0.71	-	-	-

CT Type	RISH CT TW-E 80/30(100)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
100A	2.5	5	1.48	15	5	1.48
150A	5	5	1.14	15	5	1.14

CT Type	RISH CT TW-E 92/43(41)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
200A	5	5	0.75	15	5	0.75
250A	7.5	5	0.77	15	5	0.77
300A	10	5	0.65	15	5	0.65
400A	-	-	-	15	5	0.68

CT Type	RISH CT TW-E 95/50(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
200A	5	5	0.79	15	5	0.79
250A	7.5	5	0.81	15	5	0.81
300A	10	5	0.65	15	5	0.65

CT Type	RISH CT TW-E 100/58(41)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
400A	10	5	0.74	15	5	0.74
500A	15	5	0.67	15	5	0.67
600A	15	5	0.70	15	5	0.70

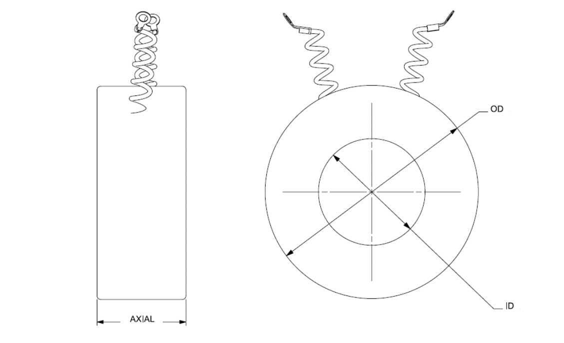
CT Type	RISH CT TW-E 110/72(41)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
800A	15	5	0.64	15	5	0.64
1000A	15	5	0.68	15	5	0.68

RISH TW-E Series

Busbar Type	RISH CT TW-E 135/85(30)	RISH CT TW-E 159/113(40)	RISH CT TW-E 165/130(30)	RISH CT TW-E 190/150(40)	RISH CT TW-E 235/200(35)
Cable Hole Dia (Ø)	85 mm	113 mm	130 mm	150 mm	200 mm
Depth	30 mm	40 mm	30 mm	40 mm	35 mm
Outer Dia (Ø)	135 mm	159 mm	165 mm	190 mm	235 mm
Primary Current	800A to 1200A	1200A to 2000A	2400A to 3000A	3200A	4000A to 5000A
Secondary Current	1A, 5A				
Accuracy Class	0.5 or 1				1
Encapsulation	Yes	Yes	No	Yes	Yes
Mounting Options	Wall Mounting, Busbar or Cable Mounting				

Dimensional Drawings :

RISH CT TW-E 135/85(30)



Dimensional Details			
Model	OD	ID	Axial
RISH CT TW-E 135/85(30)	135	85	30
RISH CT TW-E 159/113(40)	159	113	40
RISH CT TW-E 165/130(30)	165	130	30
RISH CT TW-E 190/150(40)	190	150	40
RISH CT TW-E 235/200(35)	235	200	35

CT Type	RISH CT TW-E 135/85(30)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
800A	15	5	0.58	15	5	0.58
1000A	15	5	0.61	15	5	0.61
1200A	-	-	-	15	5	0.64

CT Type	RISH CT TW-E 165/130(30)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
2400A	15	5	0.67	15	5	0.67
2500A	15	5	0.69	15	5	0.69
3000A	15	5	0.76	15	5	0.76

CT Type	RISH CT TW-E 159/113(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
1200A	15	5	0.63	15	5	0.63
1500A	15	5	0.66	15	5	0.66
1600A	15	5	0.68	15	5	0.68
2000A	15	5	0.74	15	5	0.74

CT Type	RISH CT TW-E 190/150(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
3200A	15VA	5	0.78	15VA	5	0.78

CT Type	RISH CT TW-E 235/200(35)		
Accuracy Class	1		
Primary Current	Max VA	ISF	Weight (Kg)
4000A	15VA	5	0.77
5000A	15VA	5	0.88

RISH Xmer Protection Class

RISH Xmer Protection Class 62P Series

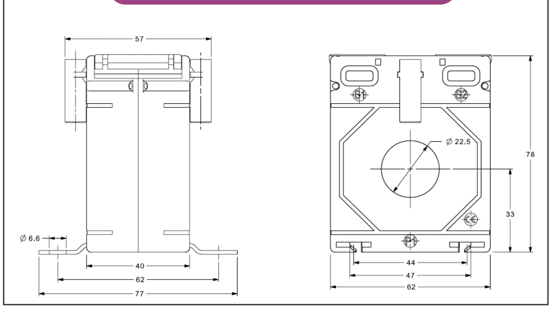
Busbar Type	RISH Xmer 62/R(40)	RISH Xmer 62/20P(40)
Cable Hole Dia (Ø)	22 mm	-
Busbar Size	-	20 x 12 mm
Depth	40 mm	40 mm
Width	62 mm	62 mm
Primary Current	100A to 300A	100A to 200A
Secondary Current	1A, 5A	
Accuracy Class	5P5 or 10P5	
Mounting Options	Wall Mounting, DIN Rail Mounting or Cable Mounting	

CT Type	RISH Xmer 62/R(40)			
Accuracy Class	5P5		10P5	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)
100A	-	-	1	0.70
120A	1	0.72	1	0.71
125A	1	0.72	1	0.71
150A	1	0.72	1	0.72
200A	1	0.69	1	0.69
250A	1	0.66	1	0.66
300A	1	0.59	1.5	0.59

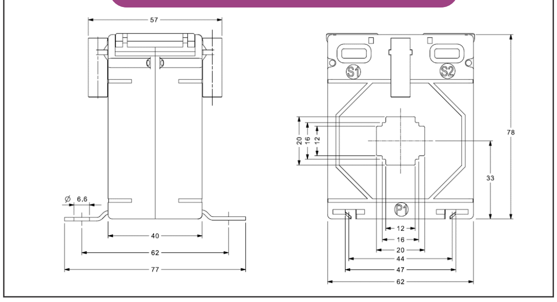
CT Type	RISH Xmer 62/20P(40)			
Accuracy Class	5P5		10P5	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)
100A	-	-	1	0.70
120A	-	-	1	0.71
125A	1	0.72	1	0.71
150A	1	0.72	1	0.72
200A	1	0.69	1	0.69

Dimensional Drawings :

RISH Xmer 62/R(40)



RISH Xmer 62/20P(40)



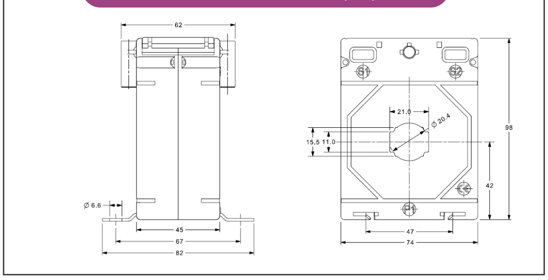
RISH Xmer Protection Class 74P Series

Busbar Type	RISH Xmer 74/20P(45)	RISH Xmer 74/40P(45)
Cable Hole Dia (Ø)	20 mm	35 mm
Busbar Size	20 x 10 mm	40 x 12mm 2 x 30 x 10 mm
Depth	45 mm	45 mm
Width	74 mm	74 mm
Primary Current	200A to 400A	120A to 750A
Secondary Current	1A, 5A	
Accuracy Class	5P5 or 10P5	
Mounting Options	Wall Mounting, DIN Rail Mounting or Busbar Mounting	

CT Type	RISH Xmer 74/20P(45)			
Accuracy Class	5P5		10P5	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)
200A	2.5	0.69	2.5	0.69
250A	2.5	0.66	2.5	0.66
300A	2.5	0.59	2.5	0.59
400A	2.5	0.59	2.5	0.59

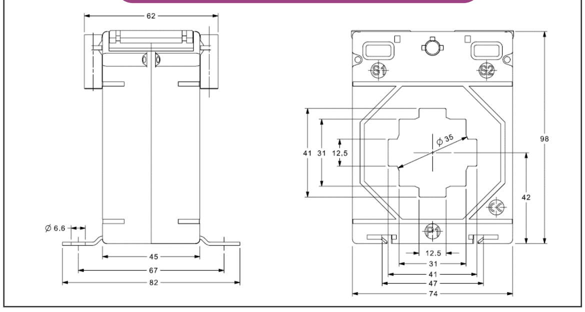
Dimensional Drawings :

RISH Xmer 74/20P(45)



RISH Xmer Protection Class

RISH Xmer 74/40P(45)



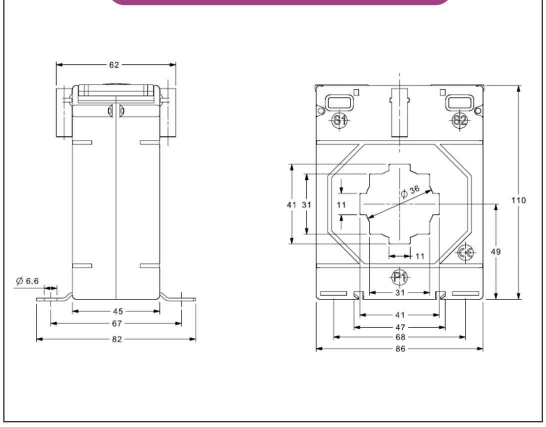
CT Type	RISH Xmer 74/40P(45)			
Accuracy Class	5P5		10P5	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)
120A	1	0.72	1	0.71
125A	1	0.72	1	0.71
150A	1	0.72	1.5	0.72
200A	1.5	0.69	1.5	0.69
250A	1.5	0.72	1.5	0.72
300A	1.5	0.72	1.5	0.72
400A	1.5	0.75	1.5	0.75
500A	1.5	0.75	1.5	0.75
600A	1.5	0.76	1.5	0.76
750A	1.5	0.77	2.5	0.77

RISH Xmer Protection Class 86P Series

Busbar Type	RISH Xmer 86/40P(45)	RISH Xmer 86/50P(45)
Cable Hole Dia (Ø)	36 mm	46 mm
Busbar Size	40 x 10 mm 2x 30 x 10 mm	50 x 12 mm 2x 40 x 10 mm
Depth	45 mm	45 mm
Width	86 mm	86 mm
Primary Current	100A to 600A	100A to 800A
Secondary Current	1A, 5A	
Accuracy Class	5P5, 10P5, 5P10, 10P10	
Mounting Options	Wall Mounting, DIN Rail Mounting or Busbar Mounting	

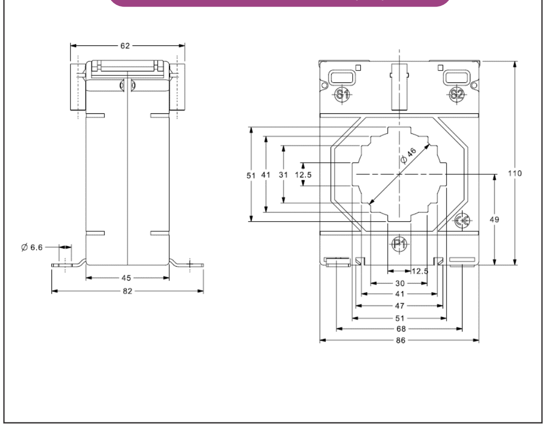
Dimensional Drawings :

RISH Xmer 86/40P(45)



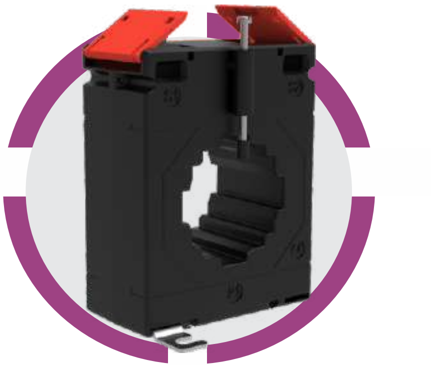
CT Type	RISH Xmer 86/40P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
100A	1.5	0.73	1.5	0.71	-	-	-	-
120A	1.5	0.73	1.5	0.71	-	-	-	-
125A	1.5	0.72	2.5	0.71	-	-	-	-
150A	2.5	0.69	2.5	0.72	-	-	-	-
200A	2.5	0.69	2.5	0.69	-	-	-	-
250A	2.5	0.66	2.5	0.66	-	-	-	-
300A	3.75	0.59	3.75	0.59	1	0.72	1	0.72
400A	5	0.59	5	0.59	1.25	0.75	1.25	0.75
500A	5	0.69	6.25	0.69	1.5	0.75	1.5	0.75
600A	6.25	0.69	7.5	0.69	1.5	0.76	1.5	0.76

RISH Xmer 86/50P(45)



CT Type	RISH Xmer 86/50P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
100A	1.5	0.73	1.5	0.71	-	-	-	-
120A	1.5	0.73	1.5	0.71	-	-	-	-
125A	1.5	0.72	1.5	0.71	-	-	-	-
150A	1.75	0.69	1.75	0.72	-	-	-	-
200A	2.5	0.69	2.5	0.69	-	-	-	-
250A	3.75	0.66	3.75	0.66	-	-	-	-
300A	3.75	0.59	3.75	0.59	1	0.72	1	0.72
400A	5	0.59	5	0.59	1	0.75	1	0.75
500A	5	0.69	5	0.69	1	0.75	1	0.75
600A	5	0.69	5	0.69	1	0.76	1	0.76
750A	7.5	0.72	7.5	0.72	1.5	0.76	1.5	0.76
800A	7.5	0.72	7.5	0.72	1.5	0.76	1.5	0.76

RISH Xmer Protection Class

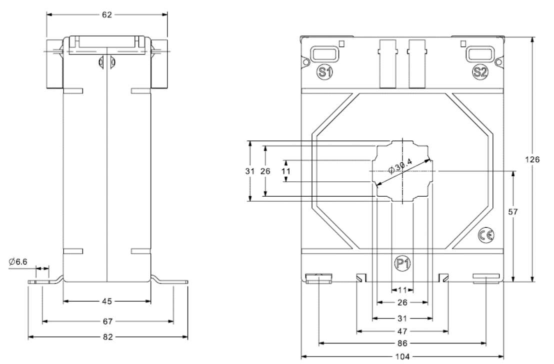


RISH Xmer Protection Class 104P Series

Busbar Type	RISH Xmer 104/30P(45)	RISH Xmer 104/50P(45)	RISH Xmer 104/60P(45)
Cable Hole Dia (Ø)	30 mm	41 mm	54 mm
Busbar Size	31 x 11 mm 25 x 15 mm	50 x 12 mm 2x 40 x 10 mm	60 x 12 mm 2x 50 x 10 mm
Depth	45 mm	45 mm	45 mm
Width	104 mm	104 mm	104 mm
Primary Current	50A to 600A	150A to 1000A	100A to 800A
Secondary Current	1A, 5A		
Accuracy Class	5P5 or 10P5 or 5P10 or 10P10		
Mounting Options	Wall Mounting, DIN Rail Mounting or Busbar Mounting		

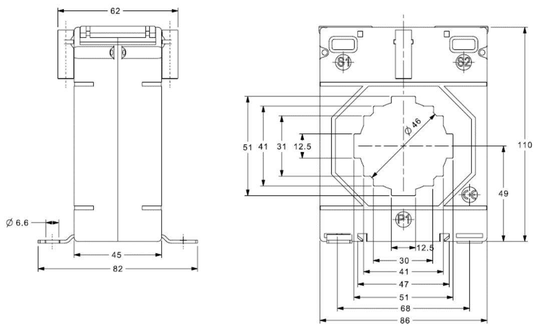
Dimensional Drawings :

RISH Xmer 104/30P(45)



CT Type	RISH Xmer 104/30P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
50A	2.5	0.74	2.5	0.74	-	-	-	-
60A	2.5	0.74	2.5	0.74	-	-	1.5	0.74
75A	2.5	0.73	2.5	0.73	-	-	1.5	0.73
80A	2.5	0.73	2.5	0.73	1.5	0.73	1.5	0.73
100A	5	0.73	5	0.73	1.5	0.73	2.5	0.73
120A	5	0.73	5	0.73	1.5	0.73	2.5	0.73
125A	5	0.72	5	0.72	1.5	0.72	2.5	0.72
150A	7.5	0.69	7.5	0.69	2.5	0.69	2.5	0.69
200A	10	0.69	10	0.69	3.75	0.69	3.75	0.69
250A	10	0.66	10	0.66	5	0.66	5	0.66
300A	10	0.59	10	0.59	5	0.72	5	0.72
400A	15	0.59	15	0.59	5	0.75	5	0.75
500A	15	0.69	15	0.69	7.5	0.75	7.5	0.75
600A	15	0.69	15	0.69	7.5	0.76	10	0.76

RISH Xmer 104/50P(45)



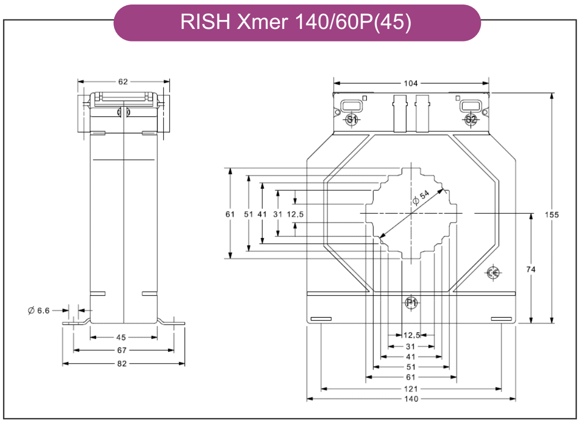
CT Type	RISH Xmer 104/50P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
150A	2.5	0.69	2.5	0.72	-	-	-	-
200A	5	0.69	5	0.69	1.5	0.72	1.5	0.72
250A	5	0.66	7.5	0.66	2.5	0.72	2.5	0.72
300A	7.5	0.59	7.5	0.59	2.5	0.72	2.5	0.72
400A	7.5	0.59	7.5	0.59	2.5	0.75	2.5	0.75
500A	10	0.69	10	0.69	2.5	0.75	2.5	0.75
600A	10	0.69	10	0.69	2.5	0.76	2.5	0.76
750A	10	0.72	10	0.72	5	0.76	5	0.76
800A	10	0.72	10	0.72	5	0.76	5	0.76
1000A	10	0.72	10	0.72	5	0.76	5	0.76

RISH Xmer Protection Class 140P Series

Busbar Type	RISH Xmer 140/60P(45)	RISH Xmer 140/80P(45)	RISH Xmer 140/100P(45)
Cable Hole Dia (Ø)	54 mm	73 mm	86 mm
Busbar Size	60 x 12 mm 50 x 30 mm	80 x 30 mm 2 x 60 x 15 mm	100 x 30 mm 2x 80 x 15 mm 2x 70 x 15 mm
Depth	45 mm	45 mm	45 mm
Width	140 mm	140 mm	140 mm
Primary Current	200A to 2000A	200A to 2500A	250A to 3000A
Secondary Current	1A, 5A		
Accuracy Class	5P5 or 10P5 or 5P10 or 10P10		
Mounting Options	Wall Mounting, Busbar Mounting		

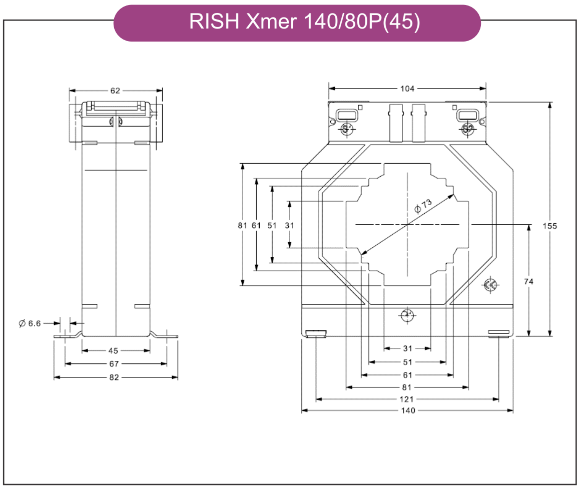
RISH Xmer Protection Class

RISH Xmer 140/60P(45)



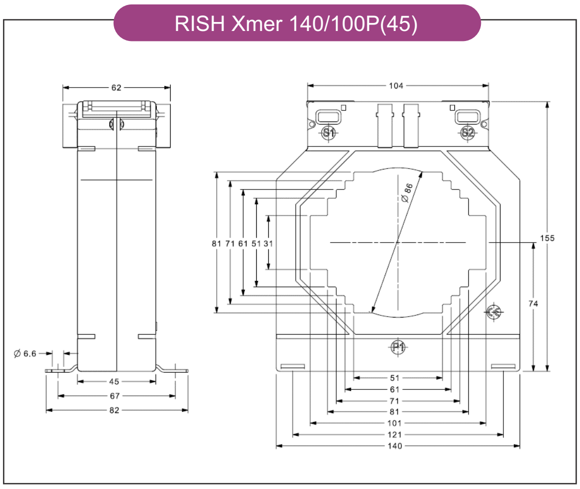
CT Type	RISH Xmer 140/60P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
200A	7.5	2.97	7.5	2.97	2.5	2.97	2.5	2.97
250A	7.5	2.99	7.5	2.99	2.5	2.99	2.5	2.99
300A	10	3.01	10	3.01	3.75	3.01	3.75	3.01
400A	10	3.06	10	3.06	5	3.06	5	3.06
500A	10	3.10	10	3.10	5	3.10	5	3.10
600A	12.5	2.67	12.5	2.67	5	2.67	5	2.67
750A	12.5	2.74	12.5	2.74	5	2.74	5	2.74
800A	12.5	2.76	12.5	2.76	5	2.76	5	2.76
1000A	12.5	2.14	12.5	2.14	7.5	2.14	7.5	2.14
1200A	12.5	2.21	12.5	2.21	7.5	2.21	7.5	2.21
1250A	12.5	2.23	12.5	2.23	7.5	2.23	7.5	2.23
1500A	15	1.98	15	1.97	10	1.97	10	1.97
1600A	15	2.00	15	2.00	10	2.00	10	2.00
2000A	20	1.60	20	1.60	12.5	1.60	12.5	1.60

RISH Xmer 140/80P(45)

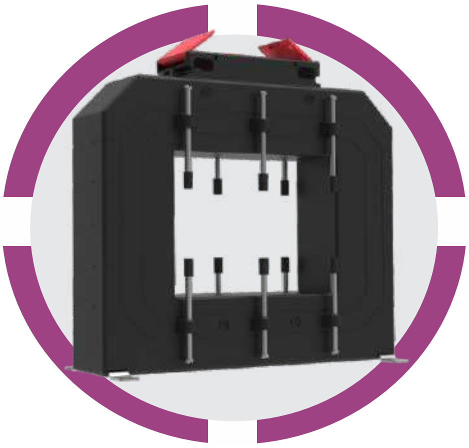


CT Type	RISH Xmer 140/80P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
200A	5	2.14	5	2.14	2.5	2.14	2.5	2.14
250A	5	2.16	5	2.16	2.5	2.16	2.5	2.16
300A	7.5	2.17	7.5	2.17	3.75	2.17	3.75	2.17
400A	10	2.21	10	2.21	5	2.21	5	2.21
500A	10	2.05	10	2.05	5	2.05	5	2.05
600A	10	2.08	10	2.08	5	2.08	5	2.08
750A	10	2.14	10	2.14	5	2.14	5	2.14
800A	10	2.16	10	2.16	5	2.16	5	2.16
1000A	10	2.23	10	2.23	5	2.23	5	2.23
1200A	10	2.17	10	2.17	5	2.17	5	2.17
1250A	10	2.19	10	2.19	5	2.19	5	2.19
1500A	15	1.55	15	1.55	7.5	1.55	7.5	1.55
1600A	15	1.58	15	1.58	7.5	1.58	7.5	1.58
2000A	20	1.41	20	1.41	10	1.41	10	1.41
2500A	20	1.54	20	1.54	10	1.54	10	1.54

RISH Xmer 140/100P(45)



CT Type	RISH Xmer 140/100P(45)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
250A	2.5	1.09	2.5	1.09	-	-	-	-
300A	2.5	1.11	2.5	1.11	-	-	-	-
400A	3.75	1.14	3.75	1.14	-	-	-	-
500A	5	1.73	5	1.73	-	-	-	-
600A	5	1.21	5	1.21	1	1.21	1	1.21
750A	7.5	1.16	7.5	1.16	1	1.16	1	1.16
800A	7.5	0.99	7.5	0.99	1	0.99	1	0.99
1000A	10	1.23	10	1.23	1	1.23	1	1.23
1200A	10	1.30	10	1.30	1	1.30	1	1.30
1250A	10	1.31	10	1.31	1	1.31	1	1.31
1500A	10	1.39	10	1.39	1.25	1.39	1.25	1.39
1600A	10	1.42	10	1.42	1.25	1.42	1.25	1.42
2000A	10	1.55	10	1.55	1.25	1.55	1.25	1.55
2500A	10	1.62	10	1.62	1.25	1.62	1.25	1.62
3000A	10	1.77	10	1.77	1.25	1.77	1.25	1.77

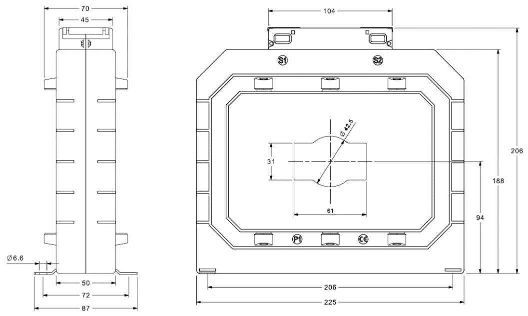


RISH Xmer Protection Class 225P Series

Busbar Type	RISH Xmer 225/60P(50)	RISH Xmer 225/125P(50)	RISH Xmer 225/167P(50)
Cable Hole Dia (Ø)	42.5 mm	-	-
Busbar Size	60 x 30 mm	125 x 93 mm	167 x 66 mm
Depth	50 mm	50 mm	50 mm
Width	225 mm	225 mm	225 mm
Primary Current	100A to 2000A	600A to 5000A	1000A to 6000A
Secondary Current	1A, 5A		
Accuracy Class	5P5 or 10P5 or 5P10 or 10P10		
Mounting Options	Wall Mounting, Busbar Mounting		

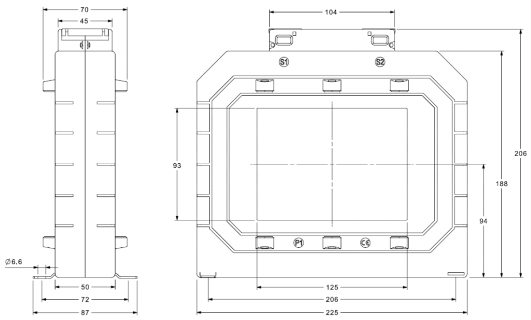
Dimensional Drawings :

RISH Xmer 140/60P(45)



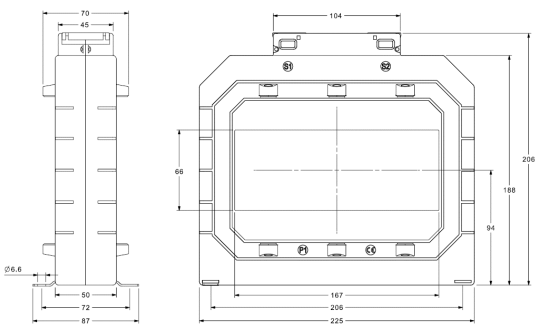
CT Type	RISH Xmer 225/60P(50)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
100A	10	7.35	10	7.35	-	-	-	-
150A	10	7.38	15	7.38	5	7.38	-	-
200A	10	7.41	15	7.41	7.5	7.41	10	7.41
250A	15	7.45	15	7.45	10	7.45	15	7.45
300A	15	6.93	15	6.93	10	6.93	15	6.93
400A	15	6.99	15	6.99	15	6.99	15	6.99
500A	15	5.99	15	5.99	15	5.99	15	5.99
600A	15	6.05	15	6.05	15	6.05	15	6.05
750A	15	5.90	15	5.90	15	5.90	15	5.90
800A	15	5.93	15	5.93	15	5.93	15	5.93
1000A	15	5.13	15	5.13	15	5.13	15	5.13
1200A	15	5.19	15	5.19	15	5.19	15	5.19
1250A	15	5.26	15	5.26	15	5.26	15	5.26
1500A	15	4.85	15	4.85	15	4.85	15	4.85
1600A	15	4.97	15	4.97	15	4.97	15	4.97
2000A	15	4.44	15	4.44	15	4.44	15	4.44

RISH Xmer 225/125P(50)



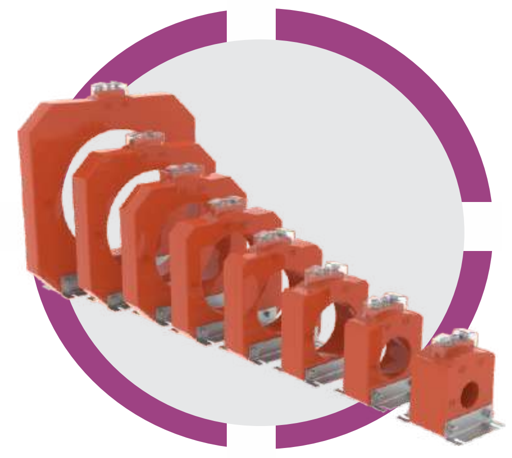
CT Type	RISH Xmer 225/125P(50)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
600A	5	3.60	5	3.60	-	-	-	-
750A	5	3.66	10	3.66	-	-	-	-
800A	5	3.68	10	3.68	-	-	-	-
1000A	10	3.45	10	3.45	-	-	-	-
1200A	10	3.53	15	3.53	1.5	3.53	2.5	3.53
1250A	10	3.54	15	3.54	1.5	3.54	2.5	3.54
1500A	15	3.64	15	3.64	2.5	3.64	2.5	3.64
1600A	15	3.67	15	3.67	2.5	3.67	2.5	3.67
2000A	15	3.82	15	3.82	3.75	3.82	5	3.82
2500A	15	4.00	15	4.00	5	4.00	7.5	4.00
3000A	15	4.19	20	4.19	5	4.19	7.5	4.19
4000A	15	4.30	20	4.30	5	4.30	7.5	4.30
5000A	20	3.62	20	3.62	5	3.62	10	3.62

RISH Xmer 225/167P(50)



CT Type	RISH Xmer 225/167P(50)							
Accuracy Class	5P5		10P5		5P10		10P10	
Primary Current	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)	Max VA	Weight (Kg)
1000A	5	2.93	5	2.93	-	-	-	-
1200A	5	3.00	7.5	3.00	1.5	3.00	2.5	3.00
1250A	5	3.03	7.5	3.03	1.5	3.03	2.5	3.03
1500A	5	2.51	7.5	2.51	2.5	2.51	3.75	2.51
1600A	5	2.41	7.5	2.41	2.5	2.41	3.75	2.41
2000A	7.5	2.55	12.5	2.55	3.75	2.55	5	2.55
2500A	10	2.73	15	2.73	3.75	2.73	7.5	2.73
3000A	15	2.68	20	2.68	7.5	2.68	10	2.68
4000A	20	3.01	20	3.01	7.5	3.01	12.5	3.01
5000A	20	3.35	20	3.35	7.5	3.35	12.5	3.35
6000A	20	3.63	20	3.63	7.5	3.63	12.5	3.63

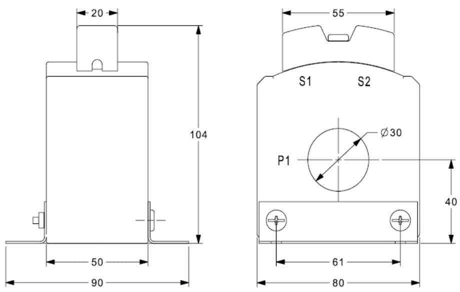
Rish Resin Cast Series



Busbar Type	LTRC-1 80/30(50)	LTRC-2 90/50(40)	LTRC-3 110/72(40)	LTRC-4 135/85(40)
Cable Hole Dia (Ø)	30 mm	50 mm	72 mm	85 mm
Depth	50 mm	40 mm	40 mm	40 mm
Width	80 mm	90 mm	110 mm	135 mm
Primary Current	60A to 160A	200A to 320A	400A to 630A	800A to1250A
Secondary Current	1A, 5A			
Accuracy Class	0.5 or 1			
Mounting Options	Wall or Base Mounting			

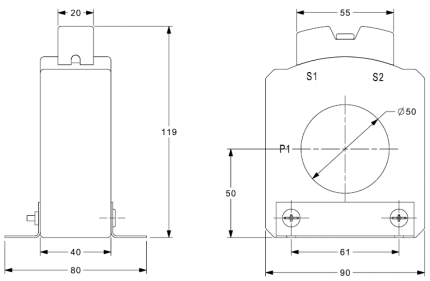
Dimensional Drawings :

LTRC-1 80/30(50)



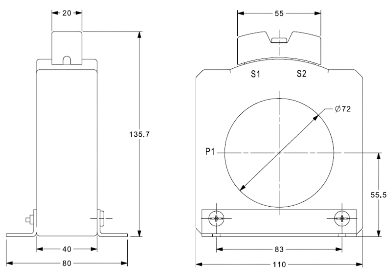
CT Type	LTRC-1 80/30(50)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
60A	-	-	-	1.5	10	1.00
75A	-	-	-	1.5	10	1.02
100A	2.5	10	1.05	5	5	1.05
125A	2.5	10	1.08	5	5	1.08
150A	3.75	10	1.10	5	5	1.10
160A	3.75	10	1.12	5	5	1.12

LTRC-2 90/50(40)



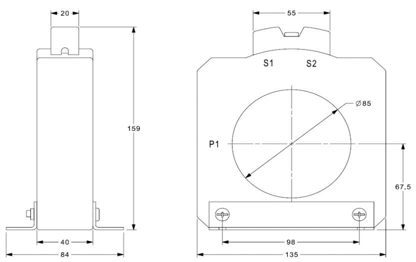
CT Type	LTRC-2 90/50(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
200A	3.75	5	0.84	7.5	5	0.84
250A	3.75	5	0.84	10	5	0.84
300A	5	5	0.86	10	5	0.86
320A	5	5	0.88	10	5	0.88

LTRC-3 110/72(40)



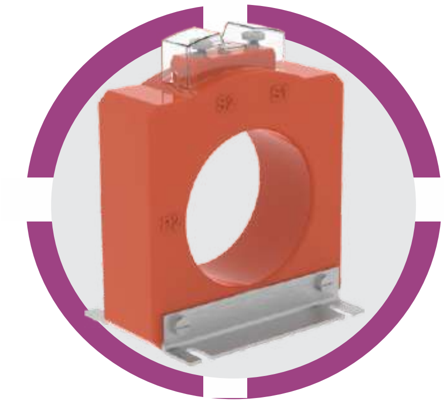
CT Type	LTRC-3 110/72(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
400A	5	5	0.98	10	5	0.98
500A	7.5	5	1.00	15	5	1.00
600A	15	5	1.05	15	5	1.05
630A	15	5	1.10	15	5	1.10

LTRC-4 135/85(40)



CT Type	LTRC-4 135/85(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
800A	15	5	1.38	15	5	1.38
1000A	15	5	1.41	15	5	1.41
1200A	15	5	1.44	15	5	1.44
1250A	15	5	1.48	15	5	1.48

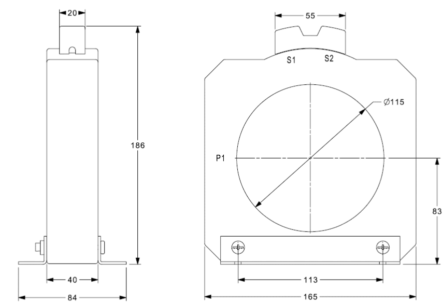
Rish Resin Cast Series



Busbar Type	LTRC-5 165/115 (40)	LTRC-6 195/130 (40)	LTRC-7 230/165 (40)	LTRC-8 295/200 (40)
Cable Hole Dia (Ø)	115 mm	130 mm	165 mm	200 mm
Depth	40 mm	40 mm	40 mm	40 mm
Width	165 mm	195 mm	230 mm	295 mm
Primary Current	1500A to 2000A	2500A to 3200A	3000A & 3200A	4000A to 5000A
Secondary Current	1A, 5A			
Accuracy Class	0.5 or 1			
Mounting Options	Wall or Base Mounting			

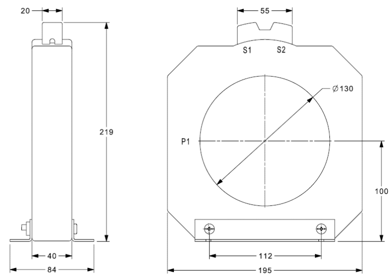
Dimensional Drawings :

LTRC-5 165/115(40)



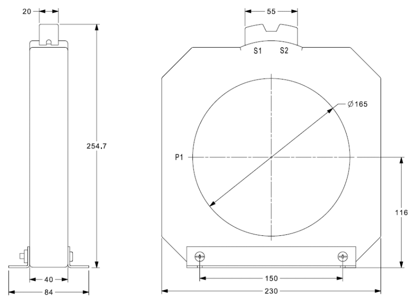
CT Type	LTRC-5 165/115(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
1500A	15	5	1.50	15	5	1.50
1600A	15	5	1.54	15	5	1.54
2000A	15	5	1.66	15	5	1.66

LTRC-6 195/130(40)



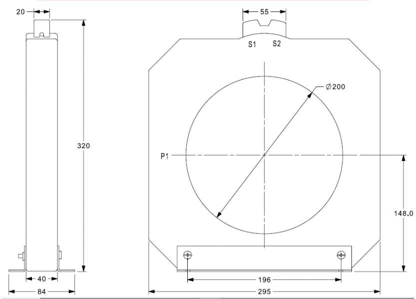
CT Type	LTRC-6 195/130(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
2500A	15	10	2.34	15	10	2.34
3000A	15	10	2.40	15	10	2.40
3200A	15	10	2.44	15	10	2.44

LTRC-7 230/165(40)



CT Type	LTRC-7 230/165(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
3000A	15	10	2.78	15	10	2.78
3200A	15	10	2.85	15	10	2.85

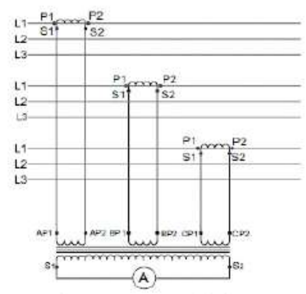
LTRC-8 295/200(40)



CT Type	LTRC-8 295/200(40)					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
4000A	15	15	4.66	15	15	4.66
5000A	15	15	4.78	15	15	4.78

Rish Summtion CT Series

Busbar Type	Sigma 75	Sigma 150
Depth	70 mm	70 mm
Width	75 mm	150 mm
Primary Current	5+5A to 5+5+5+5A	5+5+5+5+5A to 5+5+5+5+5+5+5+5A
Secondary Current	5A	
Accuracy Class	0.5 or 1	
Mounting Options	Wall Mounting or Din Rail Mounting	



Current measurement in phase L1

Features

- Available current transformers versions with 2 to 8 primary windings
- Nickel plated secondary terminal with '+' head screws
- Multiple mounting methods, including wall mounting and DIN rail mounting
- Terminal protection cap with Ip10

General Specifications

Applicable Standard	IEC 61869-1 & 2
Case	Self Exitinguishing Plastic
Connections	2x connections with M4 self lifting screws
Insulation Class	E (max 120 °C)
Maximum System Voltage	720V
Operating Frequency	50 / 60 Hz
Test Voltage	3kV 50 Hz, for 1 min
Rated Primary Current	(2 … 8) x 5A
Rated Secondary Output	5A
Rated Burden	5VA, 10VA, 15VA, 20VA & 25VA
Accuracy Class	0.5 or 1
Ambient Temperature	-25 °C … +40 °C
Storage Temperature	-50 °C … +80 °C
Thermal Short Circuit Current (Ith)	60 x In
Dynamic Short Circuit Current (I_{dyn})	2.5 x I_{th}
Instrument Security Factor (ISF)	5, 10

Summation Current Transformer
These current transformers are designed to summarize several synchronous alternating currents of equal phase relation with any angle of phase difference. They are used to add secondary currents of several main CTs in order to measure with a single CT only.

Example
Consider an example of Power Selection for Main Transformer with different transmissions
Main Transformer Ratio:

Ammeter	1.50VA
Measurement of Conductor Loss	1.50VA
Consumption in Summation CT	4.00VA
Total VA =	7.00VA

Burden: 1 Ammeter
Required Active Performance of the Current Transformer:

The Individual main transformer must provide its VA share from this 7 VA
- Main Transformer 500/5A(500/ 1200) x 7= 2.92 VA + additional losses ≈3.75VA*
- Main Transformer 400/5A(400/ 1200) x 7= 2.33 VA + additional losses ≈2.50VA*
- Main Transformer 300/5A(300/ 1200) x 7= 1.75 VA + additional losses ≈2.50VA*

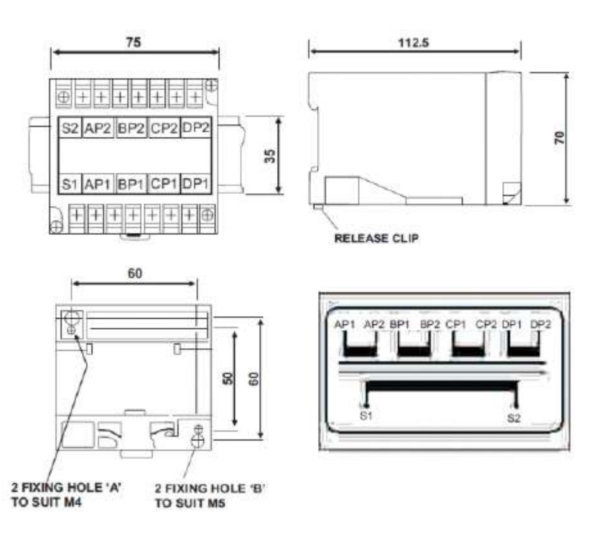
* The VA values of the main transformer are to be rounded up to the corresponding values in our chart

Note: If using unequal main CTs then ratio of lowest primary main CT current to the highest one should not exceed 1:8

Rish Summtion CT Series

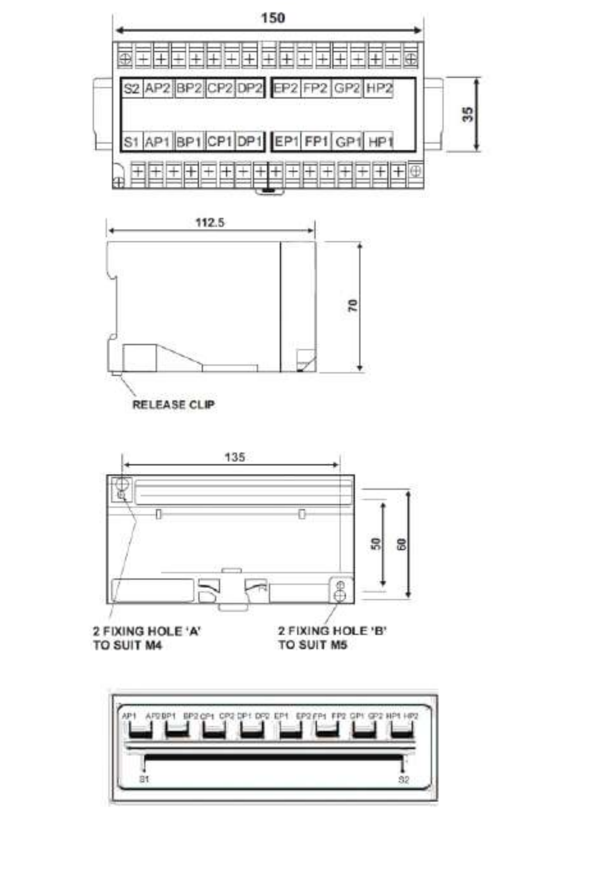
Dimensional Drawings :

RISH Xmer Sigma 75



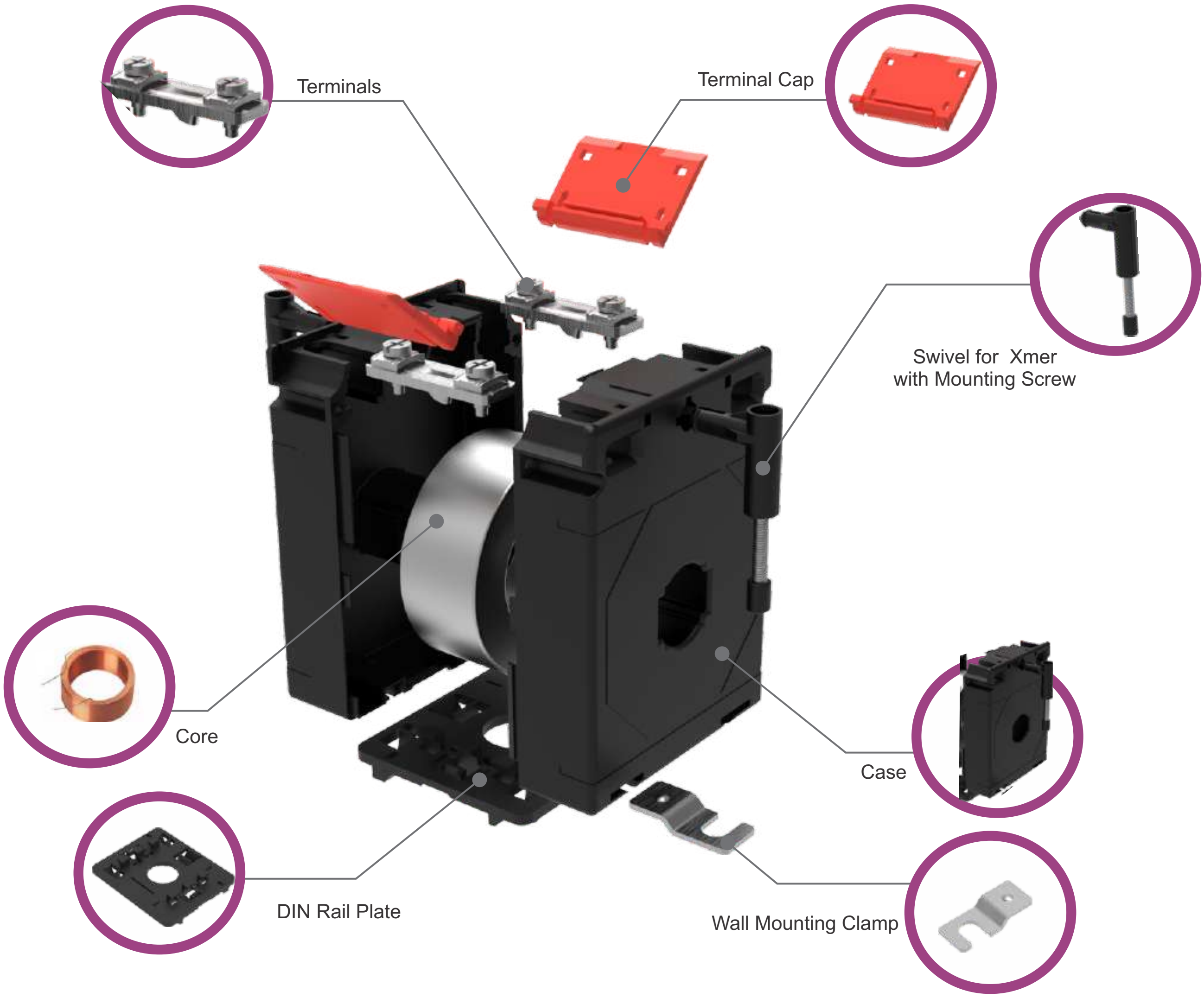
CT Type	Sigma 75					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
5+5A	5	5	0.90	5	5	0.83
	10	5	1.00	10	5	0.90
	15	5	1.00	15	5	0.93
	-	-	-	20	5	0.93
	-	-	-	25	5	0.93
5+5+5A	5	5	0.83	5	5	0.83
	10	5	1.00	10	5	0.83
	15	5	1.00	15	5	0.96
	-	-	-	20	5	0.96
	-	-	-	25	5	0.96
5+5+5+5A	5	5	0.90	5	5	0.83
	10	5	1.00	10	5	0.83
	15	5	1.00	15	5	0.96
	-	-	-	20	5	0.96
	-	-	-	25	5	0.96

RISH Xmer Sigma 150



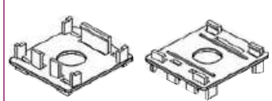
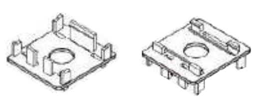
CT Type	Sigma 150					
Accuracy Class	0.5			1		
Primary Current	Max VA	ISF	Weight (Kg)	Max VA	ISF	Weight (Kg)
5+5+5+5+5 A	5	10	1.19	5	10	0.79
	10	5	1.19	10	5	1.06
	15	5	1.19	15	5	1.06
	-	-	-	20	5	1.28
	-	-	-	25	5	1.28
5+5+5+5+5 +5A	5	10	1.57	5	10	0.79
	10	5	1.57	10	5	1.06
	15	5	1.57	15	5	1.06
	-	-	-	20	5	1.51
	-	-	-	25	5	1.51
5+5+5+5+5 +5+5A	5	10	1.63	5	10	0.83
	10	10	1.63	10	10	1.10
	15	5	1.63	15	5	1.10
	-	-	-	20	5	1.60
	-	-	-	25	5	1.60
5+5+5+5+5 +5+5+5A	5	10	1.66	5	10	0.87
	10	10	1.66	10	10	1.14
	15	5	1.66	15	5	1.20
	-	-	-	20	5	1.61
	-	-	-	25	5	1.61

Rish Accessories



DIN Rail Mounting Base

(Additional accessories - have to be ordered seperately)

Order	Transformer Type	View
Horizontal (Universal) Mounting	3PH series CTs, 62 series, 74 series, 86 series, 104 series	
SPAR-SA00-0404	45(40) series	
SPAR-SA00-0324	50(30) series CTs	
Mounting Bracket	Rish TW series CTs	
Terminal Cover	Rish Xmer series Cts	

Accessories	
Description	View
Thread Cutting Screw 4 x 35mm	
Thread Cutting Screw 4 x 45mm	
Thread Cutting Screw 4 x 75mm	
Wall Mounting Clamp	
Swivel	
Shoe for self tapping M4 screw	
Nut for M4 screw	
Locking Pin	
Thread Cutting Screw M4 x 45mm	

RISHABH

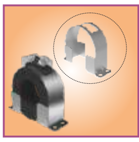
Each CT with individual Routine Test Certificate (RTC)

DIN Rail Plate

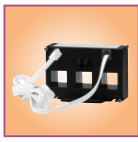
Laser Printing

Locking Pin

Terminal Glass Cover



Wall mount brackets



3 PH CT with RJ12

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