

BAR PRIMARY CURRENT TRANSFORMERS HIGH PERFORMANCE TR SERIES



- Indoor
- Primary current from 150 to 15000 A
- For busbar up to 4 bars
300 x 20 mm
- Measurement and protection

Current transformers moulded in self-extinguishing resin for the measurement of AC currents from 150 to 15000A.

This range has high performance characteristics, and demonstrates an excellent resistance to shocks, vibrations, salt and moisture.

It is approved by the French Navy.

Technical data

Highest voltage for equipment	0.72 kV
Power-frequency withstand voltage	3 kV
Primary current I _{pn}	150 to 15000 A
Secondary current I _{sn}	5 or 1 A
Frequency	50 or 60 Hz
Rated output	1 to 60 VA
Accuracy class	0.5 - 1 - 3
Security factor	5 to 30
Continuous thermal current	1.2 I _{pn}
Short-time thermal current I _{th}	80 I _{pn} .1s
Dynamic current I _{dyn}	2.5 I _{th}
Insulation class	E
Ambient temperature	-25 °C to +40 °C
Standards	IEC - IEEE - CSA - AS - BS

Other characteristics on request

Highest voltage for equipment	Up to 2400 V
Power-frequency withstand voltage	Up to 11 kV
Secondary current I _{sn}	0.005 to 10 A
Frequency	1 to 10000 Hz
Accuracy class	0.1 - 0.2 - 0.2S - 0.5S - 5P - 10P - cIPX
Accuracy limit factor	5 - 10 - 15 - 20 - 30
Multi-ratio	
Multiple cores	
Ambient temperature	-40 °C to +70 °C

Accessories / Options

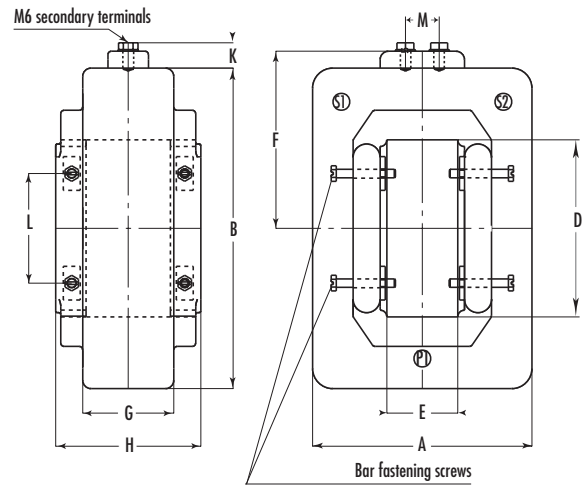
Sealable terminal cover (IP20)	
S1-S2 terminals on the longer side	
Outdoor version	Depending on model
Voltage limiter	90-200-450-600-1500V - See datasheet M2MA index 17

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Selection table

Ip A	Type	Output maximum VA			Ip A	Type	Output maximum VA		
		cl 3	cl 1	cl 0.5			cl 3	cl 1	cl 0.5
150	TR30	10	2.5	-	4000	TR39	60	60	60
200	TR30	20	10	1.25		TR44	60	60	60
250	TR30	20	10	5		TR125S	60	60	60
	TR34	30	5	-	5000	TR39	60	60	60
300	TR30	20	15	10		TR310	60	60	60
	TR34	30	15	10		TR44	60	60	60
400	TR30	30	20	15		TR54	60	60	60
	TR34	30	20	15		TR56	60	60	60
500	TR30	45	30	20		TR125S	60	60	60
	TR32	30	20	10		TR2212	60	60	60
	TR34	60	45	30	6000	TR39	60	60	60
600	TR30	60	45	30		TR310	60	60	60
	TR32	45	20	15		TR130	60	60	60
	TR34	60	45	30		TR85	60	60	60
750	TR30	60	45	30		TR44	60	60	60
or	TR32	45	45	30		TR54	60	60	60
800	TR34	60	45	30		TR56	60	60	60
1000	TR30	60	45	30		TR125S	60	45	30
	TR32	60	45	30		TR2212	60	60	60
	TR34	60	60	45	7500	TR310	60	60	60
1250	TR30	60	45	30	or	TR130	60	60	60
	TR32	60	45	30	8000	TR85	60	60	60
	TR34	60	60	60		TR54	60	60	60
1500	TR30	60	45	30		TR56	60	60	60
or	TR32	60	45	30		TR2212	60	60	60
1750	TR34	60	60	60		TR265	60	60	60
2000	TR32	60	45	30	10000	TR85	60	60	60
	TR34	60	60	60		TR100	60	60	60
2500	TR32	45	45	30		TR265	60	60	60
	TR34	60	60	60		TR300	60	60	60
	TR36	60	60	60		TR120	60	60	60
	TR125S	60	60	60		TR165	60	60	60
3000	TR34	60	60	60	12500	TR100	60	60	60
	TR36	60	60	60		TR300	60	60	60
	TR39	60	60	60		TR120	60	60	60
	TR44	60	60	60		TR165	60	60	60
	TR125S	60	60	60	15000	TR100	60	60	60
4000	TR34	60	60	60		TR300	60	60	60
	TR36	60	60	60		TR120	60	60	60
						TR165	60	60	60

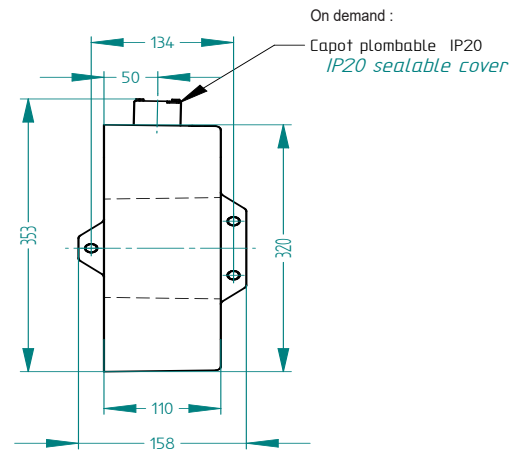
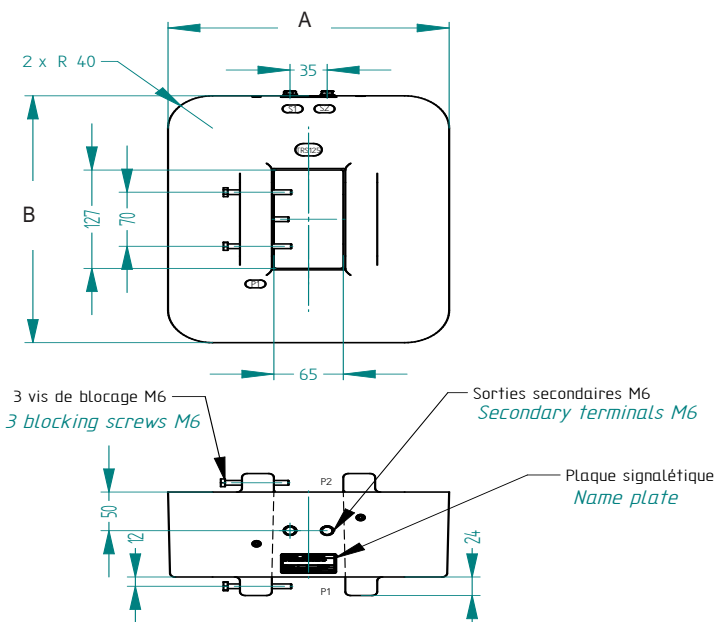
TR30 - TR32 - TR34 - TR36 - TR39 - TR44 - TR54 - TR56 - TR85 - TR100 - TR120 TR 130 - TR165 - TR265 - TR300 - TR310 - TR2212



Installation

Bar fastening screws must be tightened to 0.7 N.m torque maximum
Secondary terminals : 2.5 N.m.

TR125S



Installation

Bar fastening screws must be tightened to 5 N.m torque maximum
Secondary terminals : 2.5 N.m.

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Dimensions

Busbar	Type	Weight kg	A mm	B mm	D mm	E mm	F mm	G mm	H mm	K mm	L mm	M mm
1 to 2 bars 63 x 5	TR 30	1.2	90	127	67	20	76	48	80	18	35	18
1 to 2 bars 100 x 5	TR 32	1.3	84	166	102	20	92	45	84	18	65	18
1 to 2 bars 100 x 10	TR 34	2.5	130	190	105	42	112	50	87	22	65	20
2 to 3 bars 100 x 10	TR 36	2.8	150	190	105	62	112	50	80	22	65	30
3 to 5 bars 100 x 10	TR 39	4.2	195	205	105	95	119	60	90	22	65	30
2 to 3 bars 100 x 20	TR 310	7	225	225	105	105	125	80	110	18	65	35
2 to 3 bars 125 x 10	TR 130	13	170	250	130	50	140	80	128	20	70	35
4 to 6 bars 125 x 10	TR 132	12	230	230	130	130	130	90	138	20	70	30
2 to 3 bars 125 x 15	TR 85	10	205	250	130	85	140	90	130	15	80	30
1 to 2 bars 160 x 10	TR 44	4.4	142	266	165	42	146	60	90	18	120	30
1 to 2 bars 200 x 10	TR 54	5	142	305	205	42	166	60	93	18	150	30
2 to 3 bars 200 x 10	TR 56	7	160	305	205	60	166	60	95	18	150	30
4 to 6 bars 200 x 10	TR 2212	7	220	320	220	120	173	55	90	18	150	40
3 to 5 bars 250 x 10	TR 100	18	262	425	260	102	223	90	130	20	200	40
2 to 3 bars 260 x 10	TR 265	8	170	380	265	50	205	60	100	15	150	30
3 to 4 bars 300 x 10	TR 300	15	195	420	305	75	225	80	120	20	180	15
4 to 6 bars 300 x 10	TR 120	13	240	425	305	120	228	80	130	20	180	15
3 to 4 bars 300 x 20	TR 165	15	285	425	306	165	230	80	120	22	180	40
1 to 3 bars 125 x 10	TR 125S	11	265	320	127	65	160	110	158	5	70	35

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