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MR SERIES MEASURING RANGE

TE'S CROMPTON INSTRUMENTS

FEATURES

- Available in a wide range of transformer ratings
- Accuracy up to class 0.5
- Measuring or protective types

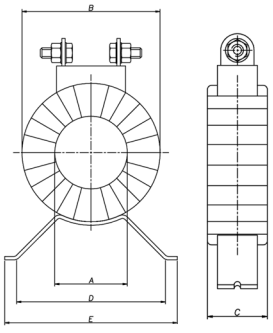
BENEFITS

- Long product life

APPLICATIONS

- Switchgear
- Control panels
- Overload protection
- Control devices

DIMENSIONS



A comprehensive range of measuring ring current transformers for installation where reliability, accuracy and quality are required.

High grade silicon iron cores are carefully selected, then insulated and protected by a polypropylene covering on which the secondary winding is toroidally wound by precision winding machines. Multi layers of polyester and PVC are then applied to provide a tough moisture resistant coating.

SPECIFICATIONS	
System voltage:	720 V maximum
Test voltage:	3 kV for 1 minute
System frequency:	50/60 Hz
Overload withstand:	1.2 x rated current continuously
Short circuit thermal:	60 x rated primary current for 1 second current (Ith)*:
Dynamic current (Idyn)*:	= 2.55 x Ith
Service temperature:	-20°C to 70°C
Secondary current:	5 A or 1 A
Complies with:	IEC60044-1, BS EN60044-1
Saturation coefficient:	<6
Humidity:	Up to 95% RH (non condensing)
Insulation class:	BS EN60085 Class Y
Mounting hardware:	Foot mounted

* Thermal current (Ith) & dynamic current (Idyn).

Ith is the highest primary current (effective value), the Idyn is the highest primary current (peak value) that the CT can support for 1 second without damage, owing to excessive overloads with secondary short circuits.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

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MR series measuring range

MR transformers are used to accurately measure high alternating primary currents, converting the primary current into a proportional secondary current as required for measurement and instrumentation. They are available in 5 amp or 1 amp secondary versions.

PART NUMBER	RATIO RANGE	CLASS 3	CLASS 1	CLASS 0.5	A	B	C	D	APPROX. WEIGHT
MR-28-40/5A	40/5	1.5	-	-	28	70	40	77.5	0.5
MR-28-50/5A	50/5	2	-	-	28	70	40	77.5	0.5
MR-28-60/5A	60/5	2.5	-	-	28	70	40	77.5	0.5
MR-28-40/1A	40/1	1.5	-	-	22	60	50	70	0.5
MR-28-50/1A	50/1	2	-	-	22	60	40	70	0.5
MR-28-60/1A	60/1	2.5	-	-	22	60	40	70	0.5
MR-42-80/5A	80/5	1.5	-	-	42	80	30	86	0.5
MR-42-100/5A	100/5	3.75	1.25	-	42	80	30	86	0.5
MR-42-150/5A	150/5	5	2.5	1	42	80	30	86	0.5
MR-42-200/5A	200/5	7.5	5	2.5	42	80	30	86	0.5
MR-42-250/5A	250/5	10	5	2.5	42	80	30	86	0.5
MR-42-80/1A	80/1	1.5	-	-	40	72	26	70	0.5
MR-42-100/1A	100/1	5	1.5	-	40	72	45	70	0.5
MR-42-150/1A	150/1	5	3	-	40	72	40	70	0.5
MR-42-200/1A	200/1	7.5	5	3	40	72	40	70	0.5
MR-42-250/1A	250/1	10	7.5	2.5	40	72	40	70	0.5
MR-45-300/5A	300/5	10	7.5	3.75	45	80	30	86	0.5
MR-45-400/5A	400/5	15	7.5	5	45	80	30	86	0.5
MR-45-300/1A	300/1	10	10	5	45	83	32	100	0.5
MR-45-400/1A	400/1	15	10	5	45	83	32	100	0.5
MR-60-400/5A	400/5	15	7.5	5	60	100	30	86	0.5
MR-60-500/5A	500/5	15	10	5	60	100	30	86	0.5
MR-60-600/5A	600/5	20	10	7.5	60	100	30	86	0.5
MR-60-400/1A	400/1	15	7.5	5	58	100	30	100	0.5
MR-60-500/1A	500/1	20	15	5	58	100	32	100	0.5
MR-60-600/1A	600/1	20	15	10	58	100	32	100	0.
MR-85-800/5A	800/5	20	10	7.5	85	124	30	86	0.5
MR-85-1000/5A	1000/5	30	15	10	85	124	30	86	1
MR-85-1200/5A	1200/5	30	15	10	85	124	30	86	1
MR-85-1500/5A	1500/5	30	15	10	85	124	30	86	1
MR-85-1600/5A	1600/5	30	15	10	85	124	30	86	1
MR-85-800/1A	800/1	20	15	10	84	122	30	100	0.5
MR-85-1000/1A	1000/1	25	20	15	94	135	30	100	1
MR-85-1200/1A	1200/1	25	20	15	94	135	30	100	1
MR-85-1500/1A	1500/1	25	20	15	94	135	30	100	1
MR-85-1600/1A	1600/1	25	20	15	94	135	30	100	1
MR-125-2000/5A	2000/5	30	20	15	125	160	30	86	1
MR-125-2500/5A	2500/5	30	20	15	125	160	30	861	-
MR-125-3000/5A	3000/5	30	20	15	125	160	30	86	1
MR-125-4000/5A	4000/5	30	20	15	125	160	30	86	1
MR-125-2000/1A	2000/1	25	20	15	132	175	30	150	1.5
MR-125-2500/1A	2500/1	25	20	15	132	175	30	150	1.5
MR-125-3000/1A	3000/1	25	20	15	125	180	32	150	1.5
MR-125-4000/1A	4000/1	25	20	15	140	215	45	150	4.5

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FOR MORE INFORMATION:
TE Technical Support Centres

USA:	+1 800 327 6996
UK:	+44 1376 509 401
Australia:	+61 1300 656 090
Singapore:	+65 6590 5151
Hong Kong:	+852 2790 9609

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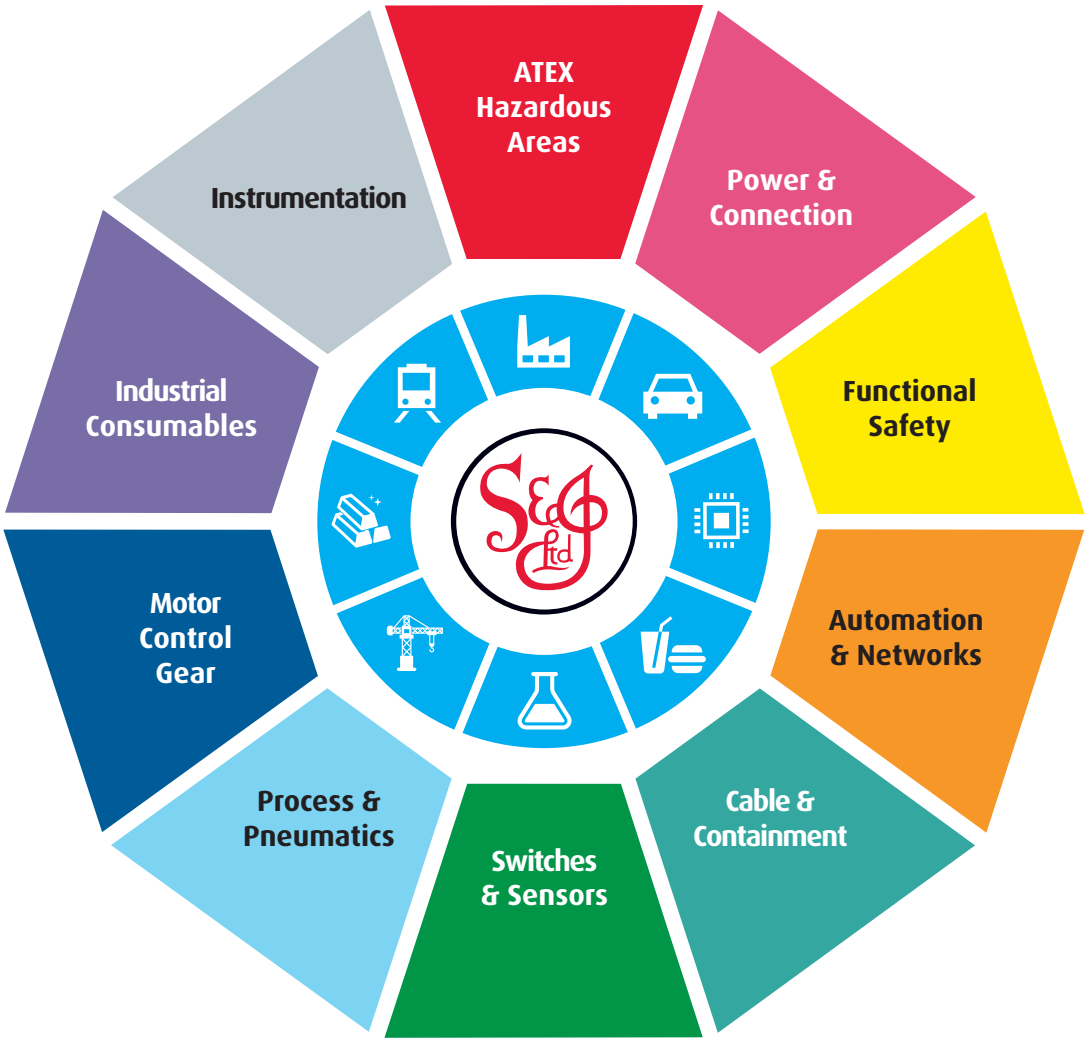

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