

MC1-15-75

MC1-15-75, Current transformer

Code: M73112.

> Inner diameter (mm): 15
> System: Single-phase
> Class 0,5 Power (VA): 0,25
> Measurement Range (A): 75
> Max. Current (A): 75
> Input current: 75 A
> Transformer type: Closed core

Description

The transformers of the MC1 range are efficient current transformers. This range of transformers offers a measurement range from 150...2,000 A. They operate with a 250 mA secondary and feature 3 measurement ranges in the same transformer: simply changing a connection cable and the ratio selected in the measurement unit. MC1 transformers are only compatible with CIRCUTOR's MC range.

Application

- In installations where the electric supply can be interrupted to install transformers.
- Very useful for installing in places where the exact nominal current range is not known.



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Specifications

Electrical characteristics

Safety factor (SF)	FS 5
Power	0.25 VA (Class 0,5)
Insulation voltage between terminals S1-S2	3 kV

Environmental characteristics

Thermal Class	Class B (+130 °C)
Protection class	IP 20

Mechanical characteristics

Envelope	Plastic V0 self-extinguishing
Fastening	DIN rail with accessory
Weight (kg)	0,061

Specific technical characteristics of current sensors

Inner diameter Ø (mm)	15
Operating voltage	0,72 kV~ máx.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	75
Dynamic current (Idyn)	2,5 Ith
Thermal short-circuit current (Ith)	60 In
Transformation ratio	.../ 250 mA

Standards

Standards	IEC 60044-1

Measurement accuracy

Accuracy	Clase 0,5

MC1
Triple scale single-phase efficient transformers

CODE	TYPE	Measurement Range (A)	Inner diameter (mm)	Class 0,5 Power (VA)
M73112.	MC1-15-75	75	15	0,25
M73118.	MC1-20-50/100/150 A	50/100/150	20	0,25

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CODE	TYPE	Measurement Range (A)	Inner diameter (mm)	Class 0,5 Power (VA)
M73116.	MC1-35-50/100/150 A	50/100/150	35	0,25
M73113.	MC1-20-150/200/250 A	150/200/250	20	0,25
M73114.	MC1-30-250/400/500 A	250/400/500	30	0,25
M73115.	MC1-55-500/1000/1500 A	500/1000/1500	55	0,25
M73117.	MC1-80 1000/1500/2000 A	1000/1500/2000	80	0,25

The MC/SC3 transformers with a 250 mA output are only compatible with network analysers type MC

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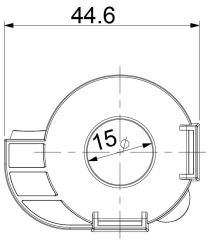
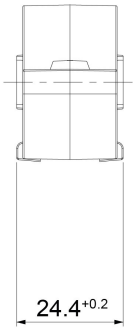
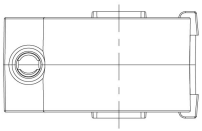
Dimensions







Connections

