

3 in 1 Metering Current Transformer

Data Sheet

Features

- Double-screw fastening
- Easy installation
- Wide inner window
- Accuracy Class 0.5
- EN60044-1 Standard
- Includes Mounting Accessories:
 - DIN Kits
 - Bus Bar Kits
 - Surface Kits



Applications

- Current measurement, monitoring and protection for electrical wiring and equipment
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation.
- Current, power and energy monitoring device

Description

A range of 3-in-1 current transformers combine three Traditional current transformers in one moulded case. 3-in-1 current transformers can be directly installed next to a three-phase moulded case circuit breaker, thus saving installation time where fitting three standard individual current transformers would be required. The 3-in-1 Range of current transformers primary currents between 60A~630A with 5A or 1A secondaries with up to Class 0.5 accuracy performance.

Specifications

System voltage	720V maximum
Test voltage	3kV for 1 minute
Primary ratings	60A to 630A
Short circuit thermal current	60 x rated primary current (I _{th}): for 1 sec
Overload withstand	1.2 x rated current continuously
Rated dynamic current	2.55 x I _{th}
Secondary terminals	M4 screw terminals
Enclosure	Flame retardant grad classified UL 94V-0
Aperture holes centres	25,35,45mm
Mounting hardware	Plug-in metal feet for wall or base mounting Busbar and DIN-rail
Compliant with	IEC/EN60044-1

Frequency	50-60 Hz
Rated current	100A to 630A loads
Rated output	5A (AC)
Accuracy	±1% from 20% to 120% of rated current
Phase angle	less than 2 degrees at 50% of rated current
Insulation voltage	600Vac
Maximum primary voltage	5000Vac (insulated conductor)
Dielectric strength	2.5KV/1mA/1min
Operating temperature	-15°C to 60°C
Operating humidity	<85%
Case material	PC / UL94-V0

Type Selection

Part Number		Accuracy class	Hole Centers	Burden (V.A.)
ME-CT-3-25-605	Current Transformer - 3 in 1 Metering - 15mm x 28mm opening - 25mm Centre - 60/5A	0.5	25	1.5
ME-CT-3-35-405	Current Transformer - 3 in 1 Metering - 21.5mm x 25mm opening - 35mm Centre - 40/5A	3	35	?
ME-CT-3-35-1005	Current Transformer - 3 in 1 Metering - 21.5mm x 25mm opening - 35mm Centre - 100/5A	0.5	35	1.5
ME-CT-3-35-1255	Current Transformer - 3 in 1 Metering - 21.5mm x 25mm opening - 35mm Centre - 120/5A	0.5	35	1.5
ME-CT-3-35-1605	Current Transformer - 3 in 1 Metering - 21.5mm x 25mm opening - 35mm Centre - 160/5A	0.5	35	1.5
ME-CT-3-35-2005	Current Transformer - 3 in 1 Metering - 21.5mm x 25mm opening - 35mm Centre - 200/5A	0.5	35	1.5
ME-CT-3-35-2505	Current Transformer - 3 in 1 Metering - 21.5mm x 25mm opening - 35mm Centre - 250/5A	0.5	35	2.5
ME-CT-3-45-2505	Current Transformer - 3 in 1 Metering - 31.5mm x 31.5mm opening - 45mm Centre - 250/5A	0.5	45	1.5
ME-CT-3-45-4005	Current Transformer - 3 in 1 Metering - 31.5mm x 31.5mm opening - 45mm Centre - 400/5A	0.5	45	3.75
ME-CT-3-45-6305	Current Transformer - 3 in 1 Metering - 31.5mm x 31.5mm opening - 45mm Centre - 630/5A	0.5	45	3.75

Wiring Diagrams

