

# MerCs 3 In 1 Current Transformers with 70mm centres

## Data Sheet

### Features

- 3In1 Current Transformers
- Saves time and space installing
- Double-screw fastening
- Supplied with Surface, busbar or DIN rail mounting kits
- From 630A to 1600A current input
- Clear Sealable terminal covers included
- 5A Secondary output
- 215mm width
- 70mm bar centres
- Wide 55 x 50mm inner window
- Accuracy Class: 0.5
- IEC 61869-2:2012



### 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

MerCs offers a new large design 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 new large design 3-in-1 Range of current transformers has primary currents between 630A and 1600 Amps Primary with 5A secondaries with Class 0.5 accuracy performance.

### Part Numbers

Part Numbers	Hole Centres	Hole Size	Accuracy Class	Primary Current (A)	V.A. Rating (Burden)
ME-CT-3-70-6305	70mm	55 x 50	0.5	630	2.5
ME-CT-3-70-8005	70mm	55 x 50	0.5	800	2.5
ME-CT-3-70-10005	70mm	55 x 50	0.5	1000	2.5
ME-CT-3-70-12505	70mm	55 x 50	0.5	1250	5
ME-CT-3-70-16005	70mm	55 x 50	0.5	1600	5

## Technical Data

System voltage	720V maximum r.m.s.
Rated insulation level	3kV r.m.s for 1 minute 50Hz
Primary ratings	630-1600Amp
Short circuit thermal current	60 x rated primary current (Ith) for 1 sec
Overload withstand	1.2 x rated current continuously
Rated dynamic current	2.5 x Ith
Secondary terminals	M4 screw terminals
Aperture holes centres	70mm
Mounting hardware	Plug-in metal feet for wall or base mounting, Busbar and DIN-rail kits
Frequency	50-60 Hz
Rated output	5A
Accuracy	±1% from 20% to 120% of rated current
Operating temperature	-15°C to 60°C
Storage temperature	-40°C to 85°C
Daily average temp	≤30°C
Operating humidity	<85%
Case material	Self-Extinguishing Nylon / UL94-V0
Insulation Type	Dry transformer, air insulation
Standards	IEC 61869-2:2012

## Dimensions

