

OVERVIEW

	Part Number	Primary	Output
	EC1260CT	60A	330mV
	EC12100CT	100A	330mV
	EC12125CT	125A	330mV
	EC12160CT	160A	330mV
	EC2560CT	60A	330mV
	EC25100CT	100A	330mV
	EC25125CT	125A	330mV
	EC25160CT	160A	330mV
	EC25200CT	200A	330mV
	EC40250CT	250A	330mV
	EC40400CT	400A	330mV
	EC40600CT	600A	330mV
	EC40630CT	630A	330mV
	EC80800CT	800A	330mV
	EC801000CT	1000A	330mV
	EC801250CT	1250A	330mV
	EC801600CT	1600A	330mV

SPECIFICATIONS

Accuracy class	Class 1 to IEC/EN60044-8 & IEC/EN61869-2
Frequency range (f_R)	47 ...63 Hz
Highest Voltage (U_m)	0.72 KV r.m.s.
Rated continuous overcurrent	1.2 x rated current
Rated short time thermal current (I_{th})	<60 I_n / 1 second
Rated dynamic current (I_{dyn})	2.5 I_{th}
Rated secondary burden	> 5 K Ω
Rated insulation level	3KV r.m.s. 50 Hz/1 min
Operating temperature range	-25°C ...40°C
Storage temperature range	-40°C ...85°C
Relative humidity	≤ 85% non-condensing
IP rating	Housing: IP40, Terminal: IP20
Housing material	Self-extinguishing polycarbonate
Altitude of operation	≤ 2000 m
Compliance	CE, RoHS

PRODUCT SAFETY PRECAUTIONS

⚠ Safety related notification, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it may impair the protection provided by the equipment.

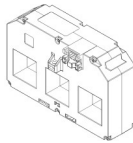

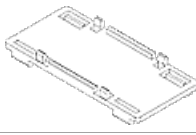



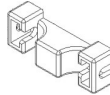

- Do not use the equipment if there is any mechanical damage
- Do not exceed the device's maximum limits of rating
- No repairs, maintenance or adjustments are possible
- Read all instructions prior to installation or operating the unit
- The equipment in its installed state must not come into close proximity to any heating sources, oils, steam, caustic vapours or other unwanted process by-products
- Do not use in hazardous or classified location where explosion or other dangers can be triggered by the device

INSTALLATION PRECAUTIONS

⚠ Risk of electric shock! To avoid personal and material damage, the installation process must be performed by qualified and trained personnel only.

- To prevent the risk of electrocution, always isolate and lock-off the power supply to the equipment prior to undertaking any work
- Always confirm absence of electricity prior to starting work using appropriate voltage detection equipment
- Wiring shall be done strictly according to the terminal layout
- Confirm that all connections are correct before energizing the equipment
- Routing of connecting cables should be away from any internal EMI sources

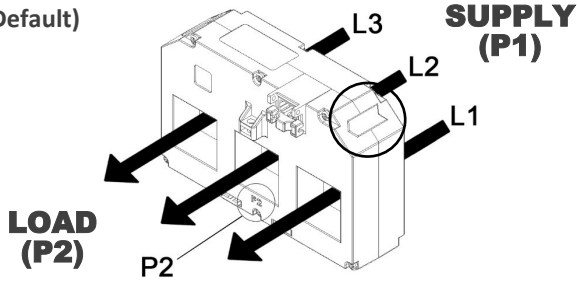
CONTENT

	Current Transformer	1
	Foot Mount Bracket	4
	DIN Rail Mounting Bracket	1
	Screw M4 x 50mm	3
	Nut M4	3
	Busbar Insulator	3
	Sealable RJ Cable Cover	1
	Installation Guide	1

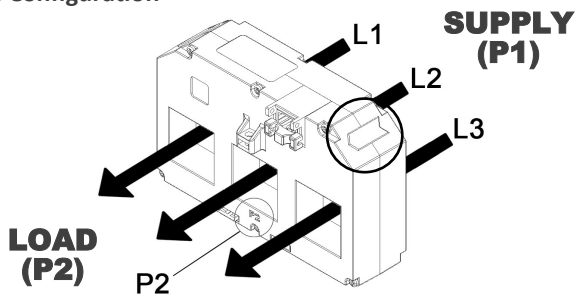
ORIENTATION

THREE PHASE current transformers as default are configured to monitor incoming supplies (L1 on right-hand side when viewed from the P2 face). If the transformer is to be used for load monitoring (requiring L1 to be on left-hand side when viewed from the P2 face), the operator must perform the "To Change" procedure described in Hager meter operating manual.

Right-hand Configuration (Meters Default)

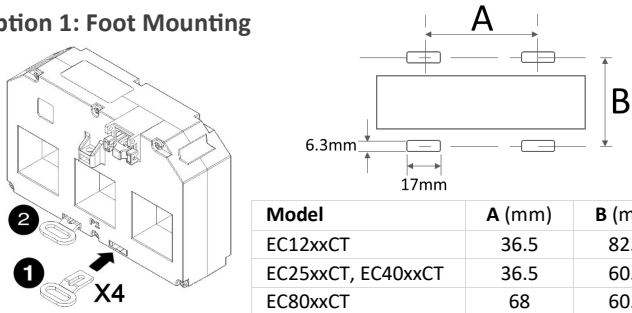


Left-hand Configuration

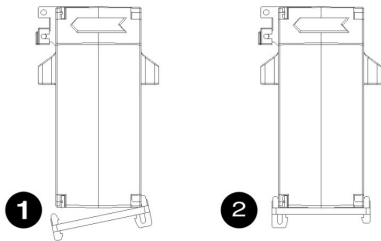


MOUNTING

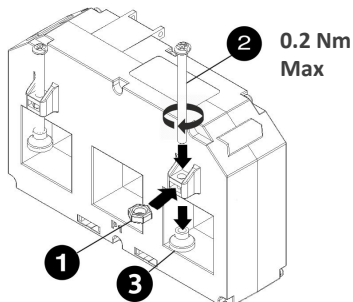
Option 1: Foot Mounting



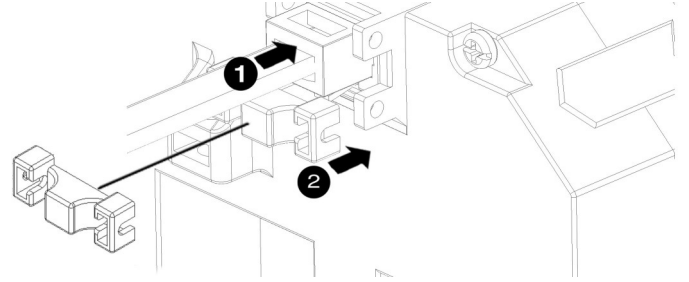
Option 2: 35mm DIN Rail Mounting



Option 3: Busbar Mounting



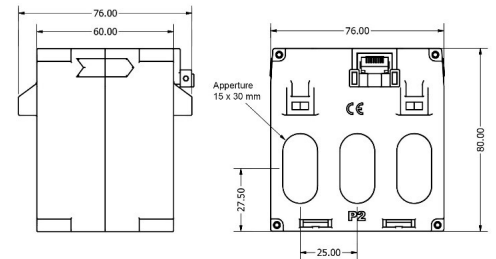
RJ CABLE CONNECTION



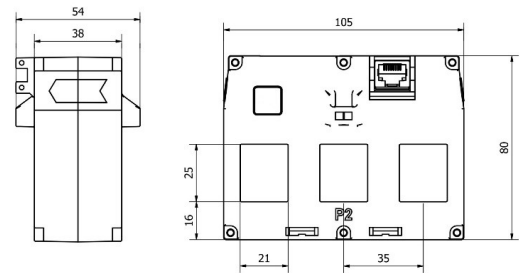
Note: This cover must be sealed for MID applications

DIMENSIONS

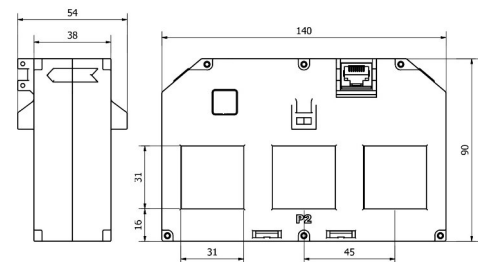
EC12xxCT



EC25xxCT



EC40xxCT



EC80xxCT

