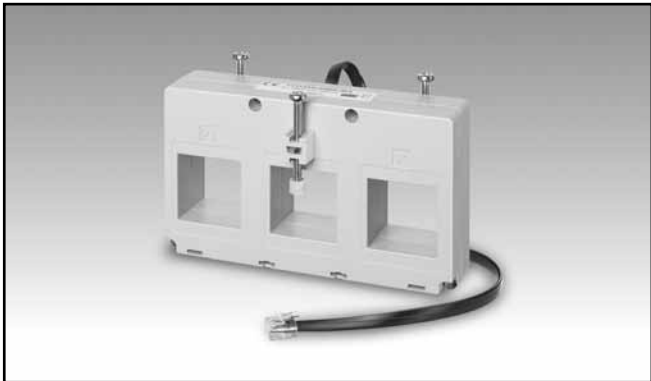


Energy Management

3-phase current transformers

Type TCD3X

CARLO GAVAZZI



- 3-phase current transformer compatible to EM270-72D energy meter
- Primary current 630 A
- Hole size 31x31 mm
- Hole centres 45 mm
- Auto-detection of the primary current rated value by the EM270-72D energy meter
- Calibration parameters stored in internal EEPROM
- For bus-bar, wall and DIN-rail mounting with included accessories
- Umbilical connection to EM270-72D energy meter through RJ11

Product description

Triple solid core current transformer to be used in combination with EM270-72D energy meter. Equipped with an RJ11 wire for a very fast installation. The energy meter automatically reads from TCD its primary current rated value, saving time for the user set-up, and the rel-

evant calibration parameters for a more accurate measurement. With hole centres compatible with the circuit breaker bus-bars, it can be mounted directly on the bars themselves, or wall/DIN-rail mounted using the relevant accessories.

How to order TCD3X 630A 80CM X

Model _____
Primary current _____
Cable lenght _____
Option _____

Type Selection

Primary current	Cable length	Option
630A: 630A primary current input	80 CM: 80 cm	X: none

Specification

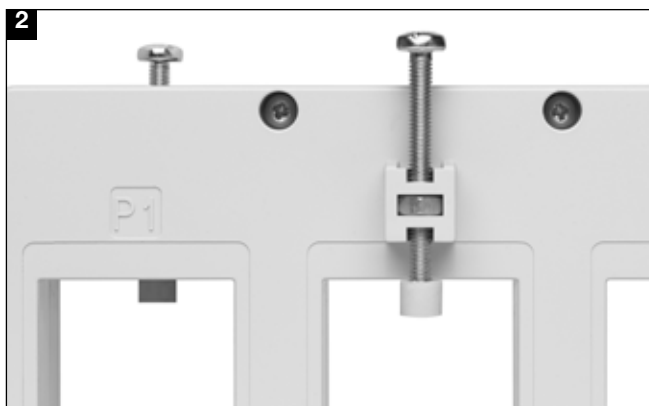
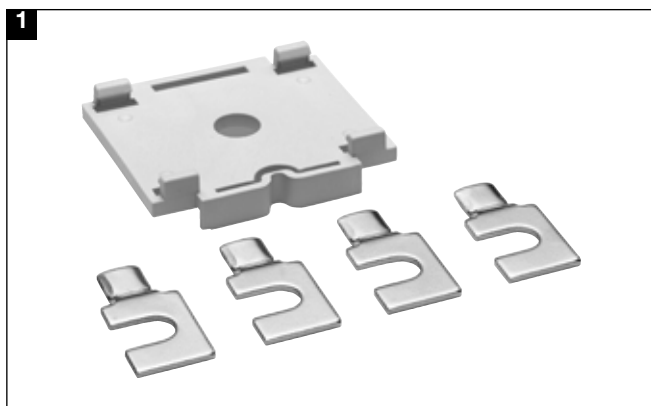
Operating frequency	45 to 65 Hz	Extended current rating	Extended current rating
Max. system voltage	0.72 kV		100% max 55°C, 110 %
Rated insulation level	4 kVAC / 1 min		max 40°C
Short time current rating	Typical 100 I _n /1s		
I _{th}	2.5 I _{th}		
I _{dyn}			

General specification

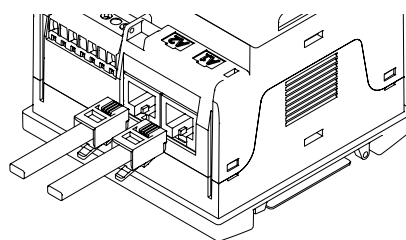
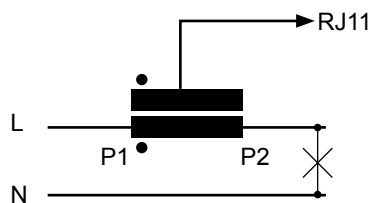
Standards	Equivalent to EN60044-1	Storage temperature	-30°C to +70°C (-22°F
Housing	Noryl, self-extinguishing:		to158°F) (R.H. < 90% non-
	UL 94 V-0		condensing @ 40°C)
Mounting	DIN-rail, bus-bar and panel	Connections	RJ11
	mounting	Protection degree	IP20
Approvals	CE	Bus-bar size	Max 31x31 mm
Standard accessories	Two panel mounting fixing	Hole centres	45 mm
	clips. One DIN rail adapter.	Weight	500 g
	Three bus-bar fixing		
	screws		
Working temperature	-25°C to +55°C (-13°F		
	to131°F) (R.H. < 90% non-		
	condensing @ 40°C)		

Benefits

- Easy and quick mounting either on a panel or on a DIN-rail (see figure 1).
- Multiple screws provided with insulation caps to grant a strong and reliable fixing of the current transformer to the bus-bar (see figure 2).



Wiring diagrams



Dimensions

