

Features

- Operating on 1-phase or 3-phase systems
- 6 types of hole diameters
- 1000/1 ratio
- Easy installation

RS PRO Core Balance Transformers

RS Stock No.: 0848639, 0848640, 0848642,
0848644, 0848641, 0848643



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

CTG is a family of "core balance transformers".
 They are used for detecting current leaks, potentially hazardous, on electric loads. Typically on electric motors, pumps or devices installed in metallic structures.
 CTG detect the difference in the current flowing in the mains running through the hole.
 When the vectorial sum of the current flowing to the load and the one flowing on the NEUTRAL cable (if present) is different from zero, a current on the CT secondary circuit is generated. The output signal is used by an earth leakage device which will send a warning signal or switch off the supply.
 Select the correct CTG size according to mains cable dimension.
 They are approved to be used in conjunction with DEA and DEB earth leakage relays.

General Specifications

Electrical phase	1-phase or 3-phase mains
Mounting Type	Panel (all models) DIN-rail (only 0848639 model with DIN-rail adapter)
Terminals type	Screw, cable size up to 2.5mm ²
Material	Styron 470
Flammability rating	HB

Electrical Specifications

Current transformer ratio	1000/1		
Nominal current (In)	Part number	In	Overload current
	0848639	80A	480A
	0848640	100A	600A
	0848641	160A	960A
	0848642	250A	1500A
	0848643	320A	1920A
	0848644	400A	2400A
Short-term thermal current (Ith)	50xIn		
Dynamic current (Idyn)	2.5xIth		
Max. system voltage	720VAC		
Frequency Range	50 → 60Hz		
Insulation	3kVAC		

Mechanical Specifications

Dimensions (W x H x D)	0848639: 64 x 74 x 20 mm 0848640: 87 x 98 x 20 mm 0848641: 105 x 117 x 20 mm 0848642: 155 x 170 x 20 mm 0848643: 241 x 254 x 33 mm 0848644: 290 x 304 x 33 mm
Weight	0848639: 80 g 0848640: 100 g 0848641: 125 g 0848642: 235 g 0848643: 1220 g 0848644: 1860 g
Internal diameter	0848639: 35 mm 0848640: 50 mm 0848641: 70 mm 0848642: 120 mm 0848643: 161 mm 0848644: 210 mm

Operation Environment Specifications

Operating Temperature Range	-5 → 50 °C
Storage temperature	-5 → 50 °C
Relative Humidity	< 95%
Protection degree	IP20

Protection Category

Protection Class	Type A
------------------	--------

Classification

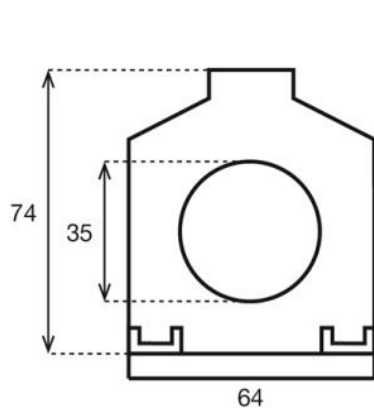
eCl@ss Version	
UNSPSC Version	
ETIM 8.0	EC001445

Approvals

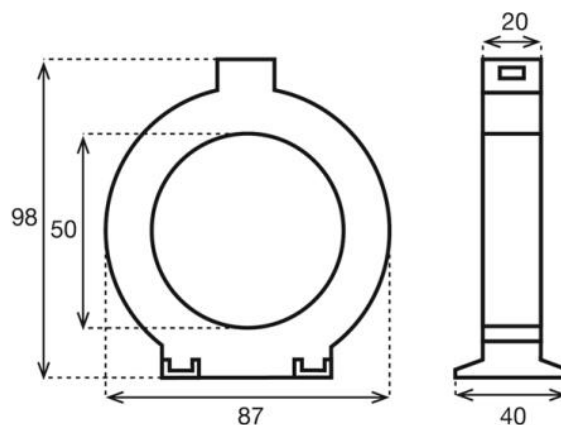
Compliance/Certifications	CE and RoHS Compliant
Standards	Immunity: EN61000-6-1 Emission: EN61000-6-3 Additional requirements for current transformers: IEC 61869-2
Directives	2014/35/EU (LVD - Low voltage) 2014/30/EU (EMC - Electromagnetic compatibility) 2011/65/EU, 2015/863/EU (RoHS)

Similar Products

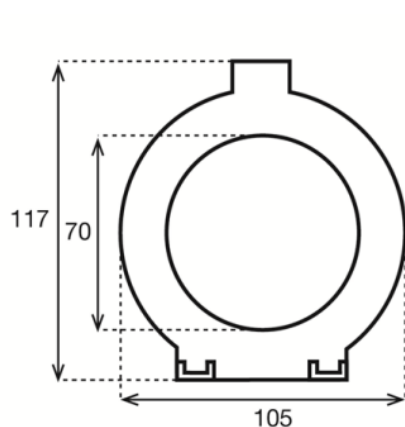
Parameters	Stock#	Stock#	Stock#	Stock#
Brand	RS PRO	RS PRO	RS PRO	RS PRO
Frequency Range				
Leakage Range				
Output				
Trip Time				
Protection Class				
Test Function				
Electrical Phase				
Mounting Type				
Series				
Interface				
Dimensions				
Weight				
Approvals				



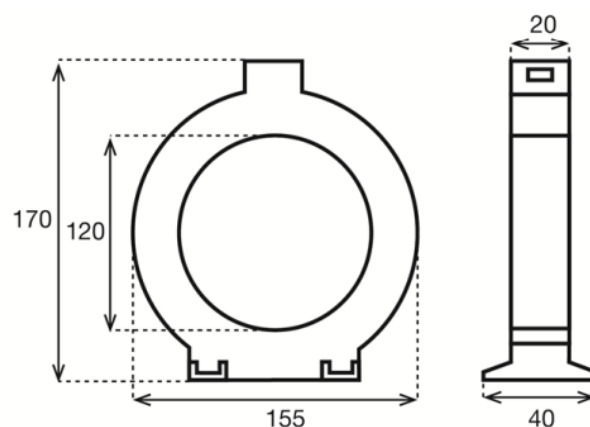
CTG035



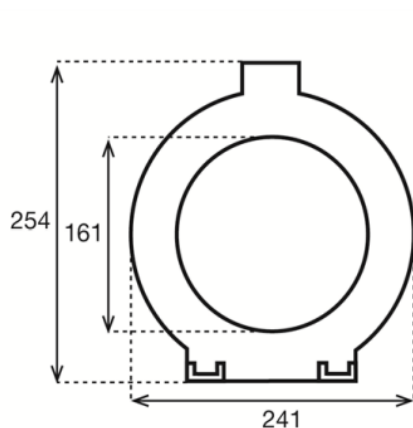
CTG050



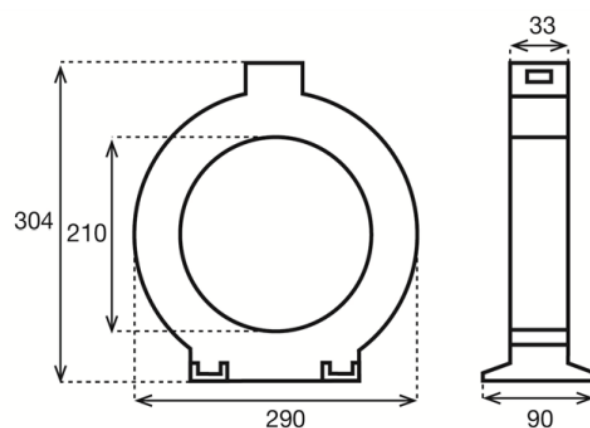
CTG070



CTG120



CTG160



CTG210