

Resource
Data Management

RDM Current Transformer

User Guide
Revision 1.1



PR0675-XX

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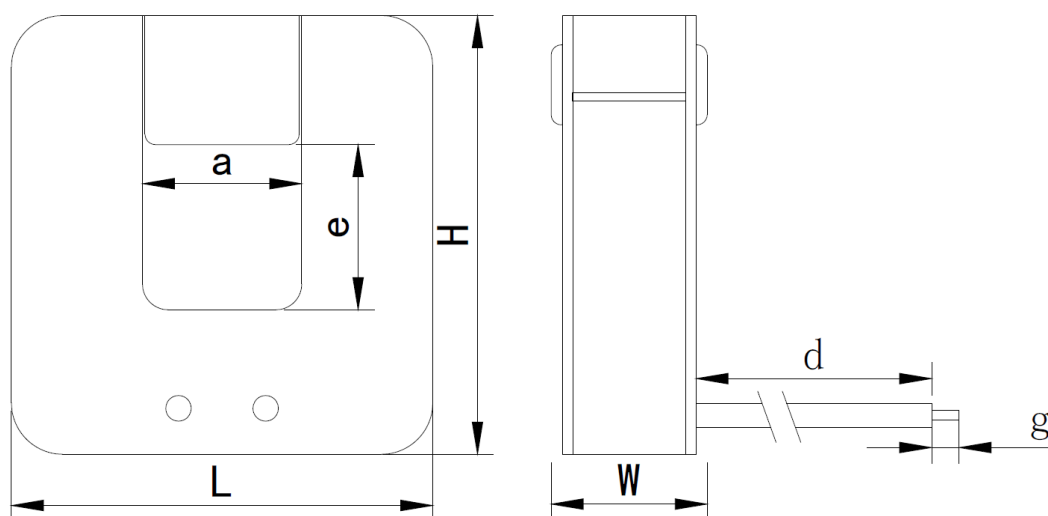
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Split Core Current Transformer

The RDM current transformer is designed for use with the RDM Energy Meter (PR0670) and the RDM 5 Channel USB Current Monitor (PR0626v DIN), it is available in two different variants depending on the current being measured (see part number table below). The current transformer is a split core type for easy installation onto existing cabling which means it does not require the cable to be disconnected for fitting. The secondary output is 0.333 volts AC which makes it compatible with a large range of third party devices.

Description	Part Number
Current Transformer, split core, 150A Primary, 0.333v Secondary	PR0675-150A
Current Transformer, split core, 400A Primary, 0.333v Secondary	PR0675-400A

Dimensions



External Dimensions			Cable Aperture		Secondary Leads	
Length (L)	Width (W)	Height (H)	Length (a)	Height (e)	Length (d)	Stripped End (g)
52mm	18mm	54mm	19mm	18mm	1000mm	6mm

Electrical Connections

Description	RDM Energy Meter (PR0670)	RDM USB Current Monitor (PR0626v DIN)
S1 (white wire)	S1 Terminal	Signal Terminal
S2 (black wire)	S2 Terminal	Common Terminal



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Specifications

Description	Specification
Primary Current Range	0-150Amps / 0-400 Amps
Secondary Output	0.0- 0.333 volts AC
Accuracy	+/- 1%
Frequency	50-60Hz
Insulation Level	3 kV
Lead Length	1m
Lead CSA	0.5mm ² (20awg)
Operating Temperature	-20°C to +50°C
Storage Temperature	-40°C to +70°C

Disclaimer

The specifications of the product detailed in this document may change without notice. RDM Ltd shall not be liable for errors or omissions, for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document.

Revision History

Revision	Date	Changes
1.0	21/09/2017	First Release
1.1	20/08/2019	Image updated to reflect current labelling



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