



Crompton Instruments DIN-rail enclosure 3-in-1 current transformers

A range of 3-in-1 current transformers combine three traditional current transformers in one low profile DIN-rail enclosure. 3-in-1 current transformers can be directly mounted onto a DIN-rail, thus saving installation time where fitting three standard individual current transformers would be required. The 3-in-1 range of current transformers offers primary currents between 50-250A with 5A secondaries with up to class 0.5 accuracy performance.

Specifications

System voltage	720V maximum	Test voltage	3kV for 1 minute
System frequency			50Hz or 60Hz
Primary ratings			50A to 160A
Short circuit thermal current			60 x rated primary current (Ith): for 1 sec
Overload withstand			1.2 x rated current continuously
Rated dynamic current			= 2.55 x Ith
Secondary terminals			7 way screw clamp connector
Cable Assembly			Open ended loom/harness CT fixed/open at meter connection, 1mm ² LSZH Cable (lengths specified in part number table)
Enclosure			Flame retardant grade classified UL 94V-O
Aperture holes centres			31mm (cable through 13.5mm) upto 150A, 36mm (cable through 20mm) from 160-250A
Operating temperature			-20°C to +85°C
Accuracy Class			0.5, 1, 3
Compliant with			IEC/EN 60044-1

Features

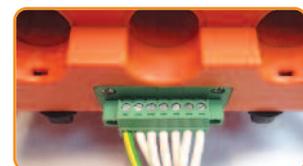
- Cost effective three-phase moulded case
- Ratio's ranging from 50/5 to 250/5
- Two part connector for fast installation
- Complete with cable assembly

Benefits

- Long product life
- Faster installation
- Compact size

Applications

- Switchgear
- Distribution systems
- Generator sets
- Control panels



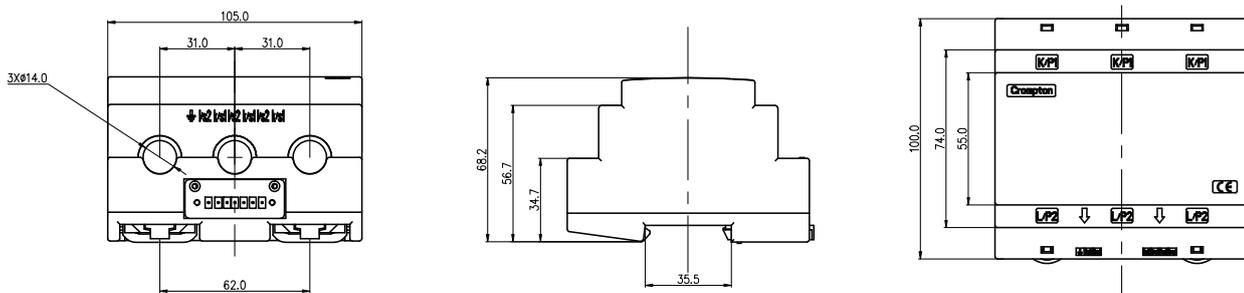
Part Numbers

Part number	Ratio	Class 0.5 VA	Class 1 VA	Class 3 VA	Aperture	Number of modules (widths)	Cable Length in Metres
DR3N1-50/5	50/5A	-	1	1.5	3@13.5 x 31mm	6	1
DR3N1-60/5	60/5A	-	1	1.5	3@13.5 x 31mm	6	1
DR3N1-75/5	75/5A	-	1.5	2	3@13.5 x 31mm	6	1
DR3N1-80/5	80/5A	-	1.5	2.5	3@13.5 x 31mm	6	1
DR3N1-100/5	100/5A	2.5	3	3.75	3@13.5 x 31mm	6	2
DR3N1-125/5	125/5A	2.5	3	3.75	3@13.5 x 31mm	6	2
DR3N1-150/5	150/5A	2.5	3.75	5	3@13.5 x 31mm	6	2
DR3N1-160/5	160/5A	1.5	2.5	3.75	3@20 x 36mm	7	2
DR3N1-180/5	180/5A	2.5	3	3.75	3@20 x 36mm	7	2
DR3N1-200/5	200/5A	2.5	3.75	5	3@20 x 36mm	7	2
DR3N1-250/5	250/5A	3.75	5	6.25	3@20 x 36mm	7	2

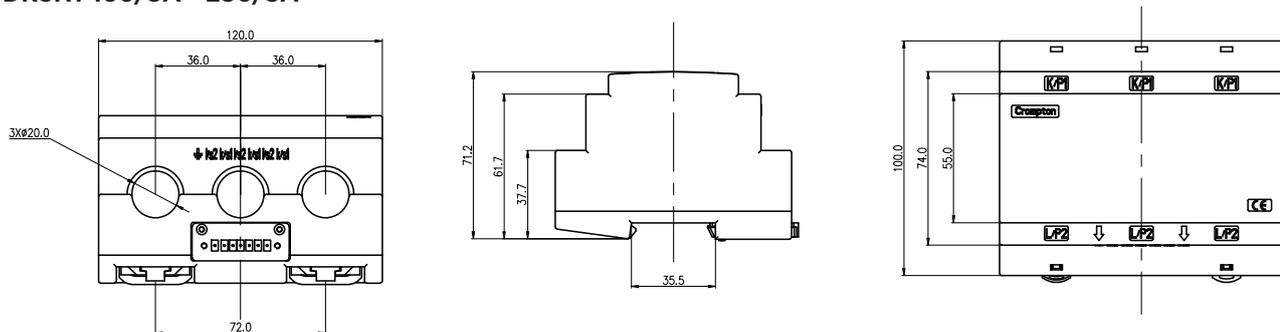
Dimensions

	Width	Aperture	Mounting	Number of modules (width)
DR3N1-50/5A-150/5A	105mm	13.5mm	35mm DIN-rail	6 (31mm cable centres)
DR3N1-160/5A-250/5A	120mm	20mm	35mm DIN-rail	7 (36mm cable centres)

DR3N1-50/5A - 150/5A



DR3N1-160/5A - 250/5A



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