

DIN-RAIL ENCLOSURE 3-IN-1 CURRENT TRANSFORMERS

TE'S CROMPTON INSTRUMENTS

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

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 50-250 A with 5 A secondaries with up to class 0.5 accuracy performance.

SPECIFICATIONS

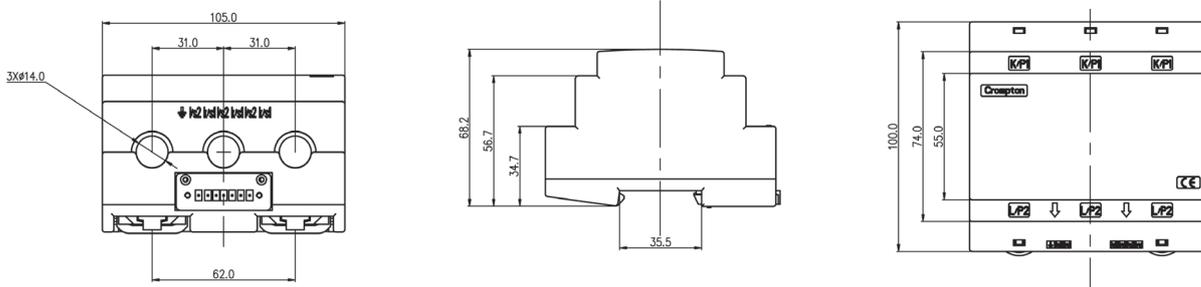
System voltage:	720 V maximum
Test voltage:	3 kV for 1 minute
System frequency:	50 Hz or 60 Hz
Primary ratings:	50 A to 160 A
Short circuit thermal current:	60 x rated primary current (I _{th}): for 1 sec
Overload withstand:	1.2 x rated current continuously
Rated dynamic current:	= 2.55 x I _{th}
Secondary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

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

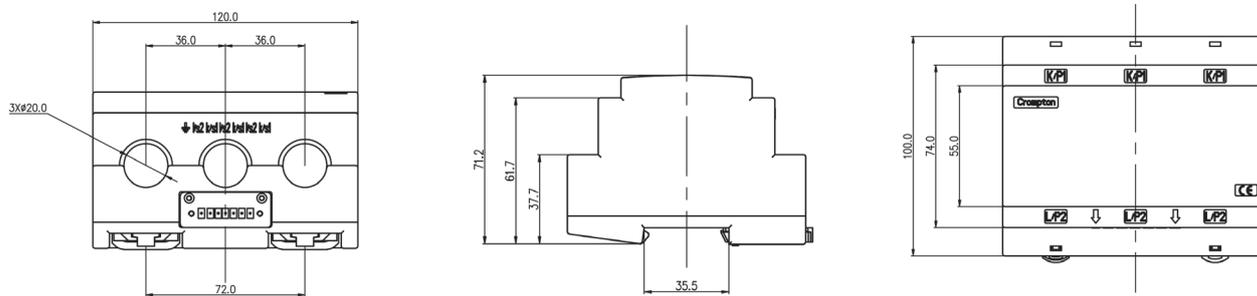
DIN-rail enclosure 3-in-1 current transformers



DR3N1-50/5A - 150/5A



DR3N1-160/5A - 250/5A



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

PRODUCT CODES							
Part number	Ratio	Class 0.5 VA	Class 1 VA	Class 3 VA	Aperture (mm)	No. of modules	Cable length (M)
DR3N1-50/5	50/5A	-	1	1.5	3@13.5 x 31	6	1
DR3N1-60/5	60/5A	-	1	1.5	3@13.5 x 31	6	1
DR3N1-75/5	75/5A	-	1.5	2	3@13.5 x 31	6	1
DR3N1-80/5	80/5A	-	1.5	2.5	3@13.5 x 31	6	1
DR3N1-100/5	100/5A	2.5	3	3.75	3@13.5 x 31	6	2
DR3N1-125/5	125/5A	2.5	3	3.75	3@13.5 x 31	6	2
DR3N1-150/5	150/5A	2.5	3.75	5	3@13.5 x 31	6	2
DR3N1-160/5	160/5A	1.5	2.5	3.75	3@20 x 36	7	2
DR3N1-180/5	180/5A	2.5	3	3.75	3@20 x 36	7	2
DR3N1-200/5	200/5A	2.5	3.75	5	3@20 x 36	7	2
DR3N1-250/5	250/5A	3.75	5	6.25	3@20 x 36	7	2

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