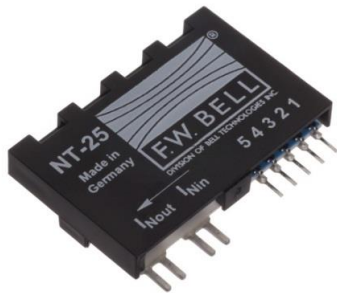
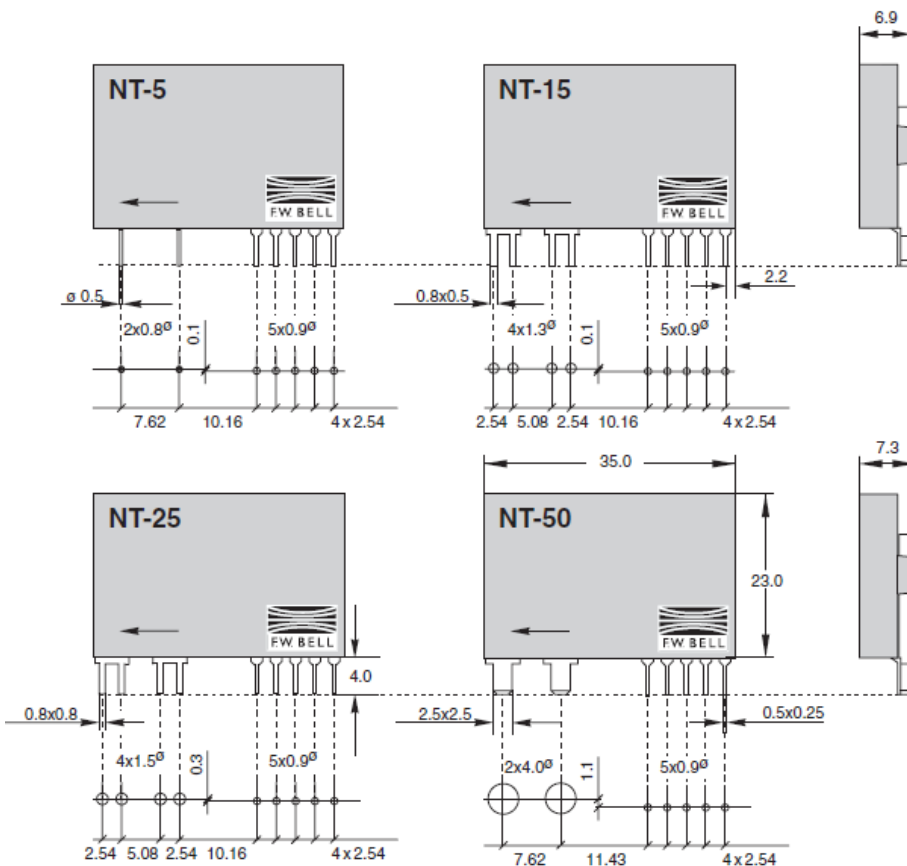


Current sensors NT series



The NT series consist of 4 separate models that contain nominal currents of 5 to 50 A. These sensors are a cost effective solution for current sensing in a variety of standard and customized industrial applications.



Features

- Excellent accuracy
- No field concentration
- Small and compact design
- Same shape for all ranges
- Wide measurement range
- Light weight
- Small sensitivity to interferences
- Internal measurement resistor

Features

- 3 phase current drives and servo drives
- Frequency inverters for DC drives
- Mains adapters
- Uninterruptable power supplies
- Battery powered applications
- Solar technology
- Building control and automation
- Welding equipment

Contact

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Current sensors

NT series

Specifications

<u>Model:</u>	<u>NT-5</u>	<u>NT-15</u>	<u>NT-25</u>	<u>NT-50</u>
Nominal current	5 A	15 A	25 A	50 A
Measurement range	0–15 A	0–45 A	0–75 A	0–150 A
Output voltage	2.5 V			
Internal resistor of the NT	< 150 Ω			
Supply voltage	12 to 15 V			
Power consumption	< 40 mA			
Operating temperature range	–25° C to 85° C			
Storage temperature range	–25° C to 100° C			
Resistance of the primary conductor	<12 mΩ	<1 mΩ	<0.5 mΩ	<0.15 mΩ
Rise time	<1.7 μs	<1.7 μs	<1.2 μs	<1.0 μs
Weight	4 g	4.2 g	4.5 g	6.5 g
Isolation test voltage	3.5 kV			
Measurement tension	600 V			
Frequency range	DC to 100 kHz			
Dimensions	35 X 23.5 X 7.3 mm			
Case	UL 94–VO, isolated self-extinguishing housing material			
Accuracy at I _{PN} and room temperature	< 0.3%			
Overall accuracy at I _{PN} and room temperature	< 0.8%			
Linearity	< 0.1%			
Typical offset voltage at room temperature	7.5 mV			
Maximum offset over temperature	35 mV			
Reaction time	< 0.15 μs			

Note: Due to continuous process improvement, specifications are subject to change without notice