

Model 4NO4 & 4NOC

NEMA IP68 Rated Current Transformers
Weatherproof Construction
Split Core 4NO4, Solid Core 4NOC

- For measuring ground wire currents
- UL Listed per UL2808
- Weatherproof NEMA Type 6P/ IP68W
- Non-corrosive nickel core
- Accuracy Class 1.0 Standard
- Custom made to order available
- 35' sheathed lead wires standard

Call 1-888-390-2621



The Model 4NO4 and 4NOC are NEMA rated IP68 rated split-core current transformers that use non-corrosive nickel core. The standard split-core model is hinged for easy installation on ground potential conductors. Non-split solid core models are available for above ground potential. These current transformers are potted to meet both NEMA Type 6P and IP68W standards for outdoor use.

Specifications:

Input Current.....	AC current, sine wave, single phase 50/60Hz
Voltage Rating.....	600VAC
Output Voltage, Select per drawing.....	250mVAC to 10VAC
Standard Accuracy.....	Class 1.0 (+/- 1%)
Phase Displacement.....	Less than 60min. (1°)
Output Resistance.....	200Ω max
Temperature Range.....	-20°C to 55°C
Rating Factor.....	1 X at 55°C
Lead Wires.....	35ft. twisted black/white sheathed, 18AWG per UL1015

Refer to drawing 4NO40001-050-06 for details on the standard size with a 1.25" window. Final dimensions for custom made units will depend on input current, output voltage or current and the window opening. Contact sales@sentrancorp.com to order.

Model 4NOC Solid Core shown below:

Busbar shapes for different applications are available.



SENTRAN
CORPORATION

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503-370-7377

Drawing and Most Popular Size Page

Model Number	Input Current	Window Inches	Output Voltage	Cable Length	Interface Burden
4NO4-50A:5Vac-1.25" (35 FT)	50A	1.25	5VAC	35 feet	>10K ohms
4NO4-100A:10Vac-2"x2"(35 FT)	100A	2x2	10VAC	35 feet	>10K ohms
4NO4-200A:333mV-1"x1"(35 FT)	200A	1x1	333mV	35 feet	>10K ohms
4NO4-600A:333mV-2"x2"(35 FT)	600A	2x2	333mV	35 feet	>10K ohms
4NO4-600A:2.5Vac-2.5"x2.5"35 FT)	600A	2.5x2.5	2.5VAC	35 feet	>10K ohms
4NO4-800A:333mV-2.5"x2.5"(35 FT)	800A	2.5x2.5	333mV	35 feet	>10K ohms

Note 1: Cable Length was ordered special by the customer, but can be any length, contact Sentran Corp.

Note 2: Interface burden of your instrument must be > than 10,000 ohms to keep factory calibration.

NOTES:

- UNIT IS TOTALLY ENCAPSULATED (POTTED) FOR OUTDOOR APPLICATIONS (IP-68).
- STANDARD LEAD LENGTH IS 35 FEET TWISTED PAIR CABLE IN A SHEATH THAT IS UV RESISTANT RATED UL 300 VOLT.
- CASE STYLE IS STANDARD ABS PLASTIC, SNAP TOP, WITH 1.25" WINDOW OPENING.
- UNIT CONSTRUCTED AND TESTED UNDER STANDARD IEC 61010-1 AND UL2808 FOR CAT IV FIELD INSTALLATION.
- EXAMPLE PART NUMBER: 4NO4-50A:5VAC-1.25
XXX = FULL LOAD AMPS SEE TABLE, YYY= SEE TABLE

DRAWING & PART NUMBER		MODEL NUMBER SYSTEM	
FULL LOAD AMPS (FLA)		4NO4-XXX-YYY-1.25	
PART NO. DASH	PART NO. XXX	XXX = FULL LOAD AMPS	YYY=OUTPUT
5A	-005		
15A	-015		
20A	-020		
25A	-025		
30A	-030		
40A	-040		
50A	-050		
75A	-075		
100A	-100		
150A	-150		
200A	-200		
250A	-250		
300A	-018		
350A	-019		
400A	-020		
500A	-021		
600A	-022		

DRAWING & PART NO.	
OUTPUT	PART NO. YYY =
DWG DASH -00	
-01	333mV
-02	250mV
-03	100mV
-04	100mA
-05	1VAC
-06	5VAC
-07	10VAC
-08	TBD
-09	TBD
-10	TBD
-11	TBD

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	BB 121212
TOLERANCES:		CHECKED	BD 122612
TWO PLACE DECIMAL ±.020		ENG APPR.	WCB 121212
MFG APPR.			
G.A.		QA	Date

REVISIONS

REV	DESCRIPTION	DATE
A	REMOVED CAT IV FROM LABEL, CHANGED DIMENSION TOLERANCES, ADDED DRAFT NOTE & CHANGED WHITE WIRE HIGH.	12/28/14

SENTRAN CORPORATION

TITLE: MODEL 4NO4-XXX-YYY-1.25 SPLIT CURRENT TRANSFORMER TOP ASSEMBLY DRAWING

REPLACES OLD VERSION ILLUSTRATED BY DWG 1324098

SCALE: 1:1 | WEIGHT: lbs | SHEET 1 OF 1

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