

CN 200N SERIES

AUDIO TRANSFORMER ASSEMBLY FOR LF CONDUCTED IMMUNITY TESTING FOR ELECTRICAL VEHICLES



FOR TESTS ACCORDING TO ...

- > ISO 7637-4
- > LV 123
- > MIL STD 461 D CS 101
- > MIL STD 461 E CS 101
- > MIL STD 461 E RS 101
- > MIL STD 461 G CS 101
- > VW 80300
- > VW 80303

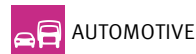
CN 200N SERIES - SINGLE-BOX TRANSFORMER ASSEMBLY FOR LF CONDUCTED IMMUNITY TESTING

The CN 200N Series is a standalone coupling network unifying up to three audio transformers, each with 100 A capacity, being configurable for various test requirements (e.g. LV 123, ISO/TS 7637-4 draft). The CN 200N Series is used to apply the test signals to the lines under test via an audio transformer to perform ripple voltage tests and continuous or transient conducted immunity tests.

HIGHLIGHTS

- > **Frequency response 10 Hz to 500 kHz**
- > **Secondary saturation up to 300 A (100 A per transformer)**
- > **Audio power up to 3 x 200 W**
- > **Turns ratio 2:1 step down**

APPLICATION AREAS



TECHNICAL DETAILS

MODEL

MODEL OVERVIEW	
Audio transformer	
CN 200N100	Secondary Current: 100 A Insulation: 1200 VDC
CN 200N200	Secondary Current: 200 A Insulation: 1200 VDC
CN 200N300	Secondary Current: 300 A Insulation: 1200 VDC

CN 200N100	
Secondary current	100 A
Dimension WxDxH	19", 3 HU, 447 mm x 582 mm x 154 mm
Weight	20 kg
Secondary connector	6 mm safety connector, MC 14.0034-21, -22

CN 200N200	
Secondary current	200 A
Dimension WxDxH	19", 3 HU, 447 mm x 582 mm x 154 mm
Weight	38 kg
Secondary connector	10 mm safety connector, MC S10 BV-C1

CN 200N300	
Secondary current	300 A
Dimension WxDxH	19", 6 HU, 447 mm x 582 mm x 288 mm
Weight	57.4 kg
Secondary connector	16 mm safety connector, MC S16 BV-NS-C1

GENERAL DATA

CHARACTERISTICS AUDIO ISOLATION TRANSFORMERS	
Frequency response	10 Hz - 500 kHz
Audio power	200 W per transformer
Turns ratio	2:1 step down

CONNECTORS	
Primary connectors	6 mm safety connector, MC 14.0034-21, MC 14.0034-22

GENERAL DATA	
Cooling	passive cooling
Temperature	10°C - 40°C
Rel. humidity	Max. 85%, non-condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1,060 mbar)

COMPETENCE WHEREVER YOU ARE



CONTACT EM TEST DIRECTLY

Switzerland

AMETEK CTS GmbH > Sternenhofstraße 15 > 4153 Reinach > Switzerland
 Phone +41 (0)61 204 41 11 > Fax +41 (0)61 204 41 00
 Internet: www.ametek-cts.com > E-mail: sales.conducted.cts@ametek.com

Germany

AMETEK CTS Europe GmbH > Customer Care Center EMEA > Lünener Straße 211
 > 59174 Kamen > Germany
 Phone +49 (0) 2307 26070-0 > Fax +49 (0) 2307 17050
 Internet: www.ametek-cts.com > E-mail: info.cts.de@ametek.com

Poland

AMETEK CTS Europe GmbH > Biuro w Polsce > ul. Twarda 44 > 00-831 Warsaw > Poland
 Phone +48 (0) 518 643 12
 Internet: www.ametek-cts.com > E-mail: Infopolska.cts@ametek.com

USA / Canada

AMETEK CTS US > 52 Mayfield Ave > Edison > NJ 08837 > USA
 Phone +1 732 417 0501
 Internet: www.ametek-cts.com > E-mail: usasales.cts@ametek.com

P.R. China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd. > Beijing Branch > Western Section, 2nd floor > Jing Dong Fang Building (B10) > Chaoyang District > Beijing, China, 100015
 Phone +86 10 8526 2111 > Fax +86 (0)10 82 67 62 38
 Internet: www.ametek-cts.com > E-mail: chinasales@ametek.com

Republic of Korea

EM TEST Korea Limited > #405 > WooYeon Plaza > #986-8 > YoungDeok-dong > Giheung-gu > Yongin-si > Gyeonggi-do > Korea
 Phone +82 (31) 216 8616 > Fax +82 (31) 216 8616
 Internet: www.emtest.co.kr > E-mail: sales@emtest.co.kr

Singapore

AMETEK Singapore Pte. Ltd > No. 43 Changi South Avenue 2 > 04-01 Singapore 48164
 Internet: www.ametek-cts.com > E-mail: singaporesales.cts@ametek.com

Great Britain

AMETEK GB > 5 Ashville Way > Molly Millars Lane > Wokingham > Berkshire RG41 2 PL > Great Britain
 Phone +44 845 074 0660
 Internet: www.ametek-cts.com

Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.