

# CN 200N SERIES

## AUDIO TRANSFORMER ASSEMBLY FOR LF CONDUCTED IMMUNITY TESTING FOR ELECTRICAL VEHICLES



### FOR TESTS ACCORDING TO ...

- > ISO 7637-4
- > LV 123
- > 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



AUTOMOTIVE

## 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](http://www.ametek-cts.com) > E-mail: [sales.conducted.cts@ametek.com](mailto: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](http://www.ametek-cts.com) > E-mail: [info.cts.de@ametek.com](mailto: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](http://www.ametek-cts.com) > E-mail: [Infopolska.cts@ametek.com](mailto: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](http://www.ametek-cts.com) > E-mail: [usasales.cts@ametek.com](mailto: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](http://www.ametek-cts.com) > E-mail: [chinasales@ametek.com](mailto: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](http://www.emtest.co.kr) > E-mail: [sales@emtest.co.kr](mailto:sales@emtest.co.kr)

### Singapore

AMETEK Singapore Pte. Ltd > No. 43 Changi South Avenue 2 > 04-01 Singapore  
 48164  
 Internet: [www.ametek-cts.com](http://www.ametek-cts.com) > E-mail: [singaporesales.cts@ametek.com](mailto: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](http://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.