SCHLÖDER
EMV-Systeme & Komponenten

# CN 1240-32

## Coupling network M2 – M5 acc. IEC / EN 610000-4-16

- Operates as a switchable M2, M3, M4 or M5 coupling network acc. IEC/EN 61000-4-16
- For continuous disturbances and short-term disturbances bis ± 300 V
- Remote controlled in connection with PGA 1240 and MGA 1030
- Operated as a stand-alone device

## Description

As described in IEC / EN 61000-4-16 at the frequency of the electrical power supply (either DC, 16,67Hz, 50Hz or 60Hz) the test stimuli are applied as both continuous and short-duration disturbances. Otherwise, over the frequency range 15Hz to 150kHz, the test stimuli are applied as continuous disturbances only.

The normal duration for short duration disturbances at the electricity supply frequency is 1 second.

The CN 1240 is a multifunctional coupling network for test levels up to ± 300 V DC or 300 V AC in connection with test generators PGA 1240 and MGA 1030. In this case the CN 1240 is remote controlled via the application software of the test generators.

Otherwise the coupling network may be front panel operated as a stand-alone device.

The CN 1240 operates as a M2, M3, M4 or M5 coupling network - selection is by a rotary switch.

The coupling capacitor is shorted out for the DC tests by a push-button.

For automated test you may toggle between AC and DC tests via the USB-port.

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| Technica data | CN 1240-32 | CN 1240-125 |
|---|---|---|
| Frequency range (IEC / EN 61000-4-16) | DC, 15 Hz - 150 kHz | |
| Input voltage | 0 V up to ± 300 V | |
| Rated voltage (AE - EUT) | 250 V AC/DC | |
| Rated current (AE - EUT) | 32 A | 125 A |
| Protection | Over-temperature protection circuit | |
| Input jack | BNC | |
| Connection (AE - EUT) | 4 mm MC-jack | 6 mm MC-jack |
| Connection to computer | USB (B) | |
| Connection to continuous disturbance generator | USB (A) | |
| Ambient temperature | 0 to 40 °C | |
| Cooling | Fan, temperature controlled | |
| Mains voltage | 230 VAC ± 10%, 50-60 Hz | |
| Housing | 19“ desktop case | |
| Dimensions (width / height / depth) | 449 mm / 177 mm / 580 mm | |
| Weight | app. 10 kg | |

| Order information | |
|---|---|
| Part No.: CN 1240-32 | Switchable coupling network M2, M3, M4 or M5<br>acc. IEC / EN 61000-4-16; for mains connection, max. 32A;<br>with 4mm safety MC jack |
| Part No.: CN 1240-125 | Switchable coupling network M2, M3, M4 or M5<br>acc. IEC / EN 61000-4-16; for mains connection, max. 125A;<br>with 6mm safety MC jack |

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