

CN 1241-32 / CN 1241-125

Switchable coupling network

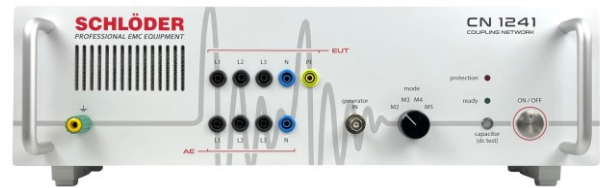
IEC / EN 61000-4-16

- For EMC tests IEC / EN 61000-4-16
- Switchable coupling network M2, M3, M4, M5, AC/DC
- For continuous and short-time disturbances up to ± 300 V
- Available in two versions:

CN 1241-32: 32 A

CN 1241-125: 125 A

- Remote control in connection with PGA 124x and MGA 1033



**Remote control via
PGA 124x-xx or MGA 1033**

Overview

The test levels defined in IEC / EN 61000-4-16 are valid for test voltages with DC voltage (positive & negative) and with the frequencies 16 2/3 Hz, 50 Hz and 60 Hz, as well as for AC disturbances from 15 Hz to 150 kHz. For short-time testing, the usual duration of exposure to each test disturbance is 1 s.

The CN 1241-32 was developed as an additional device for the PGA 124x and MGA 1033 disturbance generators for continuous disturbance in order to couple test voltages up to 300 V to DUTs as required and with the least possible effort. In this case, the operation is done via the application software of PGA 124x and MGA 1033.

However, the CN 1241-32 can also be operated completely independently via the setting options on the front panel.

The CN 1241-32 is multifunctional, i.e. it can be easily switched between the test settings for M2, M3, M4 and M5 conductor systems for AC and DC tests via a rotary switch and a pushbutton.

For the purpose of automated testing, the coupling network can also be switched between AC and DC mode via USB.

Key facts

- Can be operated as a stand-alone device
- Flexible switching possible between test settings for M2, M3, M4 and M5 conductor systems for AC and DC tests
- Switching between AC and DC mode via USB



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Switchable coupling network

Technical data		
CN 1241-xx		
	CN 1241-32	CN 1241-125
Frequency range	DC, 15 Hz - 150 kHz	DC, 15 Hz - 150 kHz
Input voltage	0 V up to ± 300 V	0 V up to ± 300 V
Rated voltage (AE - EUT)	250 V AC/DC	250 V AC/DC
Rated current (AE - EUT)	32 A	125 A
Protection devices	overheat protection circuit	overheat protection circuit
Connection (input)	BNC	BNC
Connection (AE - EUT)	4 mm MC jacks	6 mm MC jacks
Connection to computer	USB (B)	USB (B)
Ambient temperature	0 to 40 °C	0 to 40 °C
Cooling	temperature controlled fan	temperature controlled fan
Mains voltage	230 VAC $\pm 10\%$, 50-60 Hz	230 VAC $\pm 10\%$, 50-60 Hz
Housing (cabinet mounting optional)	19" desktop case	19" desktop case
Dimensions (W x H x D)	449 x 177 x 580 mm	449 x 177 x 580 mm
Weight	appr. 10 kg	appr. 10 kg

Suitable in combination with isolating transformers (tests according to EN 61558)	
IT-06	Isolating transformer 1380 VA with shield winding between PRI and SEC; PRI: 230 V / 50-60 Hz; SEC: 230 V / 6 A; aluminum housing
IT-16	Isolating transformer 3680 VA with shield winding between PRI and SEC; PRI: 230 V / 50-60 Hz; SEC: 230 V / 16 A; aluminum housing
IT-20	Isolating transformer 4600 VA with shield winding between PRI and SEC; PRI: 230 V / 50-60 Hz; SEC: 230 V / 20 A; aluminum housing

Suitable for amplifiers with integrated generators	
PGA 124x-5A	Power generator; DC - 300 kHz, ± 50 V; ± 5 A; incl. software
PGA 124x-16A	Power generator; DC - 300 kHz, ± 50 V; ± 16 A; incl. software
PGA 133x	Voltage source for short-time disturbance quantities according to EN 61000-4-16 up to 300 V; USB connection; incl. software

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes. 052110

