



# CN 60255-26 COUPLING NETWORK (CN) FOR IEC / EN 60255-26 ANNEX A



- Coupling networks designed for IEC/EN 60255-26 Annex A Figure A1 to A3
- For binary DC input ports
- Allows symmetrical and unsymmetrical coupling of the disturbance signal
- Recommended in conjunction with IEC/EN 61000-4-16 generator solution NSG 4060/NSG 4060-1
- 4 mm banana sockets

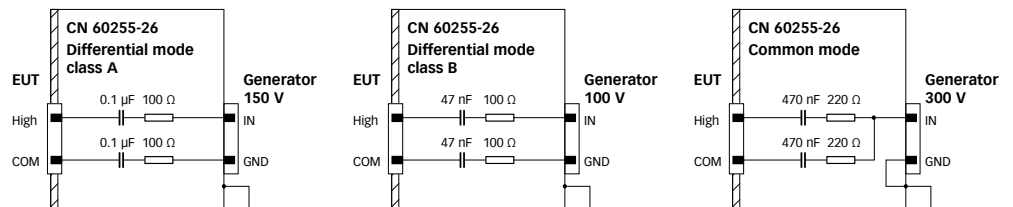
The product standard IEC/EN 60255-26 „Measuring relays and protection equipment –Part 26: Electromagnetic compatibility requirements“ has specific requirements for testing power frequencies on binary DC input ports. NSG 4060 combined with NSG 4060-1 (hardware version 1a) and CN 60255-26 allows testing according this standard.

### Test parameters

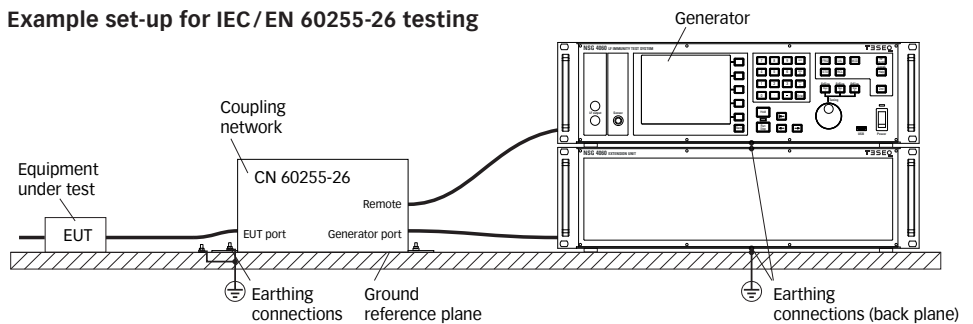
- Test levels are defined on the generator’s output as open circuit voltage (r.m.s) 100 V to 300 V  $\pm 10\%$
- Test frequency = supply frequency of the EUT (e.g. 16 2/3 Hz , 50 Hz or 60 Hz), tolerance  $\pm 0.5$  Hz
- Output impedance < 150  $\Omega$
- ON/OFF switching synchronized at 0° $\pm 10\%$  of the EUT supply frequency
- No modulation
- Harmonics <10%
- Dwell time at least 10 s

### Test method and setup

The product standard IEC/EN 60255-26 has three different coupling methods which are differential mode class A, differential mode class B and common mode. The figures below shows the circuit design as used inside the CN 60255-26.



### Example set-up for IEC / EN 60255-26 testing



# **CN 60255-26**

## **COUPLING NETWORK (CN)**

### **FOR IEC / EN 60255-26 ANNEX A**

#### **Electrical specifications**

Application:	IEC / EN 60255-26 Annex A
Disturbance signal	
Voltage (Generator In/GND):	300 V
Frequency range:	16 2/3 Hz to 60 Hz
Connection:	4 mm, safety banana
EUT	
Voltage (binary ports):	max. 80 V DC
Remote	
Connection:	D-Sub 15 pole, female (1:1 connection required to NSG 4060)

#### **Mechanical specifications**

Size (W x H x D):	100 mm x 100 mm x 240 mm
Weight:	approx. 1.5 kg

#### **Model No. and options**

Part number	Description
258001	CN 60255-26 Coupling network accord. IEC / EN 60255-26 Annex A Figure 1 to A3, includes D-Sub 15 pole 1:1, male, cable, 2 m
97-258001	CN 60255-26-TC Traceable calibration (ISO17025) for IEC 61000-4-16 and IEC 60255-26 requirements, order only with CN 60255-26

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