

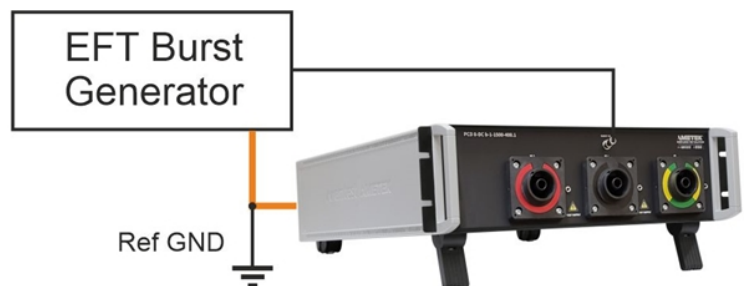


MAIN FEATURES

- Coupling/decoupling network according to IEC/EN 61000-4-4
- Coupling to DC+, DC- and PE on high current DC lines
- Line voltage 1.500 V DC up to 400 A DC
- Burst test voltage up to 8 kV
- Common mode coupling to all lines
- Supported by compact NX and NSG 30x0A

PCD 8-DC burst series High power Burst coupling network

The PCD 8-DC b-series coupling decoupling network is a manual CDN for coupling Burst pulses onto all lines in common mode of high current DC power lines. It is a Dual-Brand device and supported by EM TEST compact NX- as well as by Teseq NSG 30x0A-generators. The PCD also includes the required decoupling part for each line to protect the AE-port. AMETEK CTS offers the PCD 8-DC b-series coupling/decoupling networks for test voltages up to 8 kV and for higher line DC-voltages/currents (up to 1.500 V and up to 200 A/400 A). According to IEC/EN 61000-4-4 the pulses are coupled via 33 nF capacitors to all lines DC+, DC- and to PE.



RACK FOR BURST AND SURGE

The also available surge coupling network PCD 8-DC s-1-1500-x00 which is integrated in a rack has additional space to integrate the burst coupling decoupling network PCD 8-DC b-1-1500-200/400 in one housing.



Technical Specifications

	PCD 8-DC b-1-1500-200	PCD 8-DC b-1-1500-400.1
DC voltage EUT	1500 V	1500 V
DC current EUT	200 A	400 A
Burst coupling	Common mode to DC+, DC-, PE	Common mode to DC+, DC-, PE
BURSTIMPULSE		
Impulse voltage	0.2 - 8.0 kV $\pm 10\%$	0.2 - 8.0 kV $\pm 10\%$
Coupling mode	Common mode	Common mode
Coupling capacitance	33 nF to DC+, DC-, PE	33 nF to DC+, DC-, PE
Coupling common mode	to DC+, DC-, PE	to DC+, DC-, PE
Residual voltage	< 400 V @ 4000 V burst	< 400 V @ 4000 V burst
EUT DATA		
Lines	DC+, DC-, PE	DC+, DC-, PE
Supply voltage	max. 1500 V	max. 1500 V
EUT current	max. 200 A	max. 400 A
IN/OUTPUT SOCKET		
Connector	Multi Contact: Plug ID/S10BV-NS	Multi Contact: Plug 16BL-PP/ET
DC+	Code plug C1	Code plug C1
DC-	Code plug C4	Code plug C4
PE	Code plug C5	Code plug C5
Matching connector		
included in delivery	Socket KBT10BV-AX (2 pcs for each code)	Socket 16BL-CS/AX/M40 (2 pcs for each code)

	PCD 8-DC b-1-1500-200	PCD 8-DC b-1-1500-400.1
DIMENSION AND WEIGHT		
Device	3 HU, 19"	3 HU, 19"
Dimension (LxWxH)	448 mm x 500 mm x 153 mm	448 mm x 500 mm x 153 mm
Weight	13.5 kg	14.5 kg
ENVIRONMENT		
Temperature	10 °C to 40 °C	10 °C to 40 °C
Humidity	10 % to 80 %, non condensing	10 % to 80 %, non condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1060 mbar)	86 kPa (860 mbar) to 106 kPa (1060 mbar)

	PCD 8-DC b-1-1500-200
PVF AD 1-200	Pulse verification fast adapter (for b-1-1500-200 model only)
PVF 50	50 ohm matching resistor for burst pulse verification. SHV(f) connector.
	PCD 8-DC b-1-1500-400.1
PVF AD 1-400	Pulse verification fast adapter (for b-1-1500-400 model only)
PVF AD 1-400.1	Pulse verification fast adapter (for b-1-1500-400.1 model only)
PVF 50	50 ohm matching resistor for burst pulse verification. SHV(f) connector.