

PCI - Capacitive Coupler



These couplers are intended for the injection of pulsed current (PCI) on signal or mains supply cables according to the HEMP / NEMP standard MIL-STD-188-125-1/2. They are compatible with the PCI short pulse generators EMP80k-5-500 and EMP300k-5-500. The different versions are adapted to the signal or to the mains supply connexions. A decoupling network can be included as an option (version: - IS). The cabinet is particularly rugged and safe to use. They are specially designed to exhibit a very high insulation to ground. Other custom-build versions can be proposed on request.

SPECIFICATIONS

Type	CCS3	CCS3-IS	CCL3	CCL3-IS
Type of signal	signal	signal	mains supply	mains supply
Decoupling network	not included	included	not included	included
Nominal voltage (50 / 60 Hz / DC)	230 / 400 V	60 V	230 / 400 V	230 / 400 V
Nominal voltage (400 Hz)	110 V _{ac}	60 V _{ac}	110 V _{ac}	110 V _{ac}
Nominal current (50 / 60 / 400 Hz / DC)	60 A	10 A	60 A	60 A
Number of lines	4	4	2	2
Max pulse voltage (500 ns)	> 100 kV	15 kV	> 100 kV	15 kV
Max DC voltage	> 35 kV _{dc}	> 35 kV _{dc}	> 35 kV _{dc}	> 35 kV _{dc}
Maximum peak current	> 5 kA	> 5 kA	> 5 kA	> 5 kA
Signal cut-off frequency	-	10 kHz (- 3 dB)	-	10 kHz (- 3 dB)
Connector	connecting bars	connecting bars	connecting bars	connecting bars
Weight	14 kg	42 kg	8.6 kg	35 kg
Dimensions (L x H x W)	60 x 24.5 x 42 cm	70 x 24.5 x 42 cm	60 x 24.5 x 42 cm	70 x 24.5 x 42 cm

Other models are available on request