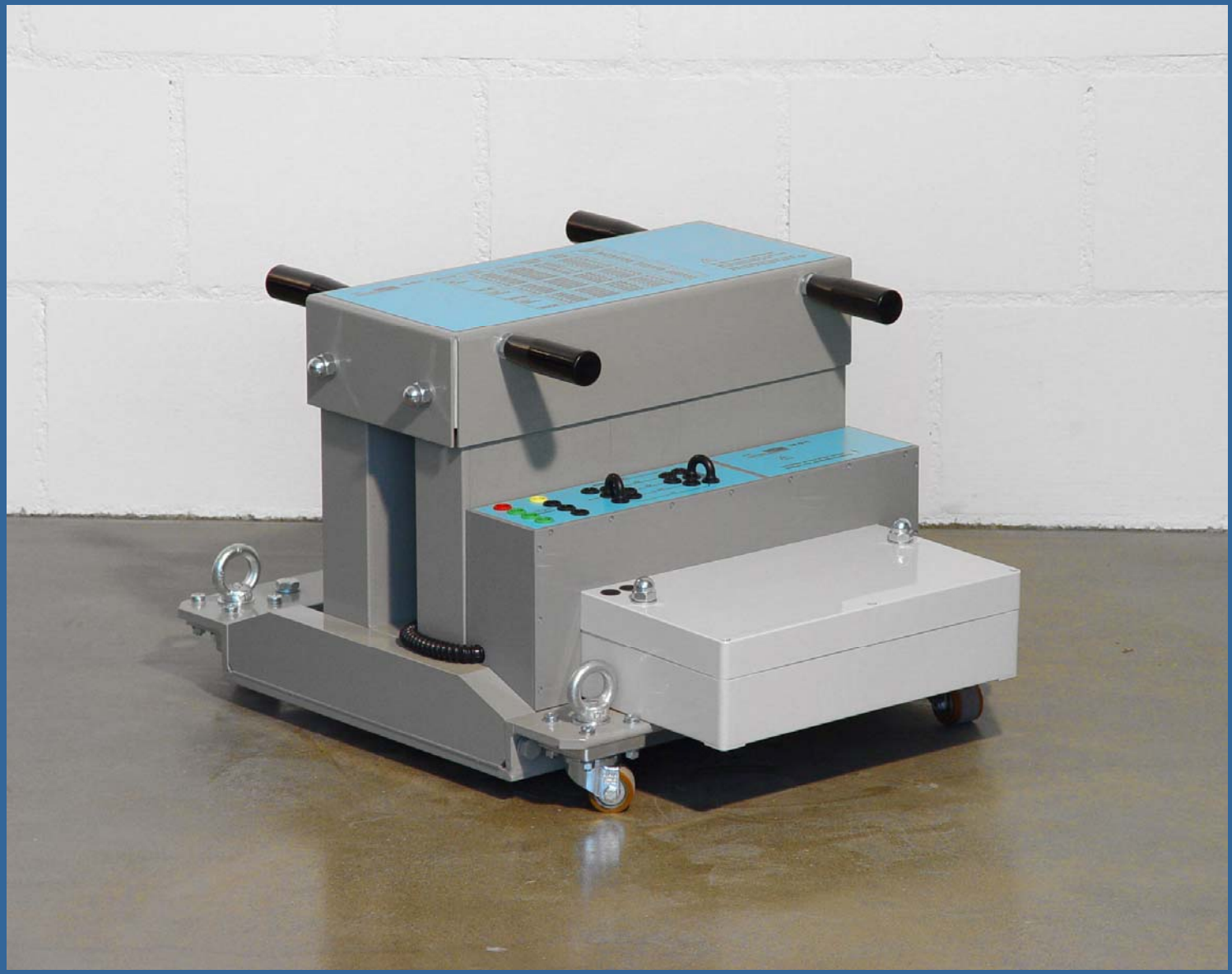
New Products in PL 2010-2

- All products have been built sold and documented.
  - Information on the CD2010-2

CN-CI-I1

- CABLE BUNDLE CURRENT INJECTION
- WF1, WF5A, WF5B
- FOR USE WITH
  - MIG0600SS
  - MIG0600MS
  - MIG0618SS
- LEVEL 5
- SINGLE TURN
  - FOR BIG CABLES

CN-CI-I1



CN-CI-V1

- CABLE BUNDLE VOLTAGE INJECTION
- FOR USE WITH
  - MIG0600SS
  - MIG0600MS
  - MIG0618SS
- WF4, WF5A LEVEL 5
- WF5B LEVEL 3
- SINGLE TURN
  - FOR BIG CABLES

CN-CI-V1

CN-CI-V1

NW-PIN5A-MS

- FOR AIRBUS TEST ABD0100.1.2
  - Issue G
- For use on A380 & A350XWB
- EMCP Generators
  - MIG0600SS
  - MIG0600MS
- IMPEDANCES
  - 100 OHM
  - 25 OHM
  - 5 OHM
  - 3 OHM
  - 3 OHM

NW-PIN5A-MS Application

CATEGORY		LIGHTNING DAMAGE TESTING			
Equipment EMH Category	**Inputs/outputs category**	**Long wave Voltage WF5A (1) Fig 22-6 (6)**	**Long wave Voltage WF4 (1) Fig 22-5**	**Short wave voltage WF2 (1) Fig 22-3**	**Oscillatory wave voltage/current WF3 (1) Fig 22-4**
Category A Critical equipment And **Category B Essential hazardous equipment** And **Category C Essential major equipment**	**Power supply:** Highly Exposed Power supply (Landing Gear route)	*NA*	*1600 V/320 A*	*1600 V/107 A*	*1500V/60 A*
	Power Supply: Power supply	*250 V/50 A (3)* *250 V/80 A (4)* *250 V/125 A (5)*	*750 V/150 A*	*1600 V/107 A*	*1500 V/60 A*
	Signal: Highly Exposed Area (Landing Gear route)	*NA*	*1600 V/320 A*	*1600 V/107 A*	*1500V/60 A*
	Signal: Wing/HTP/VTP/S19/ Externally mounted	*250 V/50 A (3)* *250 V/80 A (4)* *250 V/125 A (5)*	*750 V/150 A*	*1600 V/107 A*	*1500V/60 A*
	Signal: Inside composite fuel tank (7	*NA*	*750 V/150 A*	*NA*	*250 V/10 A*
	Signal: Belly fairing/Radome	*NA*	*300 V/60 A*	*750 V/50 A*	*600 V/24 A*
	Signal: Pressurized Area (2)	*NA*	*125 V/25 A*	*250 V/10 A*	*250 V/10 A*
	Signal: Electronic Bay (2)	*NA*	*NA*	*100 V/4 A*	*100 V/4 A*

Table 3.2-2: Lightning environment levels for lightning damage testing Categories A, B and C equipment

NW-PIN5A-MS Application

CATEGORY		LIGHTNING DAMAGE TESTING	
Equipment EMH Category	**Inputs/outputs category**	**Long wave voltage WF4 (1) Fig 22-5**	**Oscillatory wave voltage/current WF3 (1) Fig 22-4**
Category D Non Essential equipment and **Category E Non Safety equipment**	**Power Supply:** Power supply	*150 V/30 A*	*250 V/10 A*
	Signal: Wing/HTP/VTP/S19/Externally mounted	*150 V/30 A*	*250 V/10 A*
	Signal: Belly fairing/Radome	*60 V/12 A*	*100 V/4 A*
	Signal: Pressurized Area (2)	*Not Applicable*	*50 V/2 A*
	Signal: Electronic Bay (2)	*Not Applicable*	*20 V/0,8 A*

Table 3.2-3: Lightning environment levels for lightning damage testing Categories D & E equipment

NW-PIN5A-MS


NW-PIN5A-MS
HIGH
to MIG0600MS
LOW
to EUT
HIGH
LOW
2 Ω
3 Ω
5 Ω
25 Ω
100 Ω

NW-PIN5A-SS

- FOR AIRBUS TEST ABD0100.1.2
- A350XWB
- FOR USE WITH
  - MIG0600SS
  - MIG0618SS
- IMPEDANCE
  - 100 OHM

NW-PIN5A-SS

Equipment under test location in the aircraft		Corresponding Signal wiring destination leading to opposite load						
	(2)	Nose Fuselage	E-Bay (1)	Pressurized Fuselage, Belly fairing	Wings, Section 19, HTP, VTP externally mounted	LG Well	Landing Gear	Radome
Nose Fuselage	1st	200 V/200 A	200 V/200 A	500 V/500 A	500 V/500 A	500 V/500 A	500 V/500 A	300 V/300 A
	2nd	/	/	/	1500 V/15 A	/	2000 V/20 A	/
E-Bay (1)	1st	200 V/200 A	100 V/100 A	500 V/500 A	500 V/500 A	500 V/500 A	500 V/500 A	300 V/300 A
	2nd	/	/	/	1500 V/15 A	/	2000 V/20 A	/
Pressurized Fuselage belly fairing	1st	500 V/500 A	500 V/500 A	300 V/300 A	300 V/300 A	500 V/500 A	500 V/500 A	/
	2nd	/	/	/	1500 V/15 A	/	2000 V/20 A	/
Wings, S19, HTP, VTP, externally mounted	1st	500 V/500 A	500 V/500 A	300 V/300 A	500 V/500 A (3)	/	/	/
	2nd	1500 V/1500 A	1500 V/1500 A	1500 V/1500 A	1500 V/15 A	/	/	/
LG Well	1st	500 V/500 A	500 V/500 A	500 V/500 A	/	500 V/500 A	/	/
	2nd	/	/	/	/	/	1500 V/15 A	/
Landing Gear	1st	500 V/500 A	500 V/500 A	500 V/500 A	/	/	500 V/500 A (3)	/
	2nd	2000 V/2000 A	2000 V/2000 A	2000 V/2000 A	/	1500 V/1500 A	2000 V/20 A	/
Radome	1st	300 V/300 A	300 V/300 A	/	/	/	/	100 V/100 A
	2nd	/	/	/	/	/	/	/

Table 3.2-9: WF5A Signal Specification for Damage (Pin Injection) for A, B and C EMH Category Equipment

For a piece of equipment for which a "lightning insulation" is required according to ABD0100.1.8.1, the WF5A current/tension ratio shall be measured to ensure that the required impedance modulus between the conductor and the equipment casing over the frequency range [0 Hz-10 kHz] is well respected (higher than 100 Ω).

NW-PIN5A-SS


HIGH
to MIG061855
LOW
EMC-PARTNER
NW-PIN5A-SS
MIG061855
PIN 5A
EUT
HIGH
to EUT 100 Ω
LOW

ADAPTER BOX 200E

- Extends the application of the CDN-UTP and CDN-UTP8
  - ITU K44 published 2008 figures A.5.3, A.5.7, A.5.8.
  - clamping ADAPTER BOXES must be ordered separately.
- ADAPTER BOX 125VD
  - 125V bipolar clamping diode parallel 33k
- ADAPTER BOX 18VD Box
  - 18V bipolar clamping diode parallel 33k

ADAPTER BOX 200E