

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 0011XX XXX 0X
	<i>Quick junction modules type 1100 ; 1115 ; 1118 ;</i>	Page 1 / 4

- **Name and address of supplier:** Amphenol Air LB
2, rue Clément Ader
ZAC de WE
08 110 CARIGNAN France

- **Description of product:** Quick junction modules type 1100 & 1115 and grounding modules type 1118.

- **Part number:**
 - Quick junction modules size 22 ref: 001115 1XX 0X;
 - Quick junction modules size 20 ref: 001115 2XX 0X;
 - Quick junction modules size 16 ref: 001115 3XX 0X;
 - Quick junction modules size 12 ref: 001115 4XX 0X;
 - Quick junction modules with mixed contacts ref: 001115 5XX 0X;

 - Quick junction module size 22 with solder cup contacts ref: 001115 150 02;
 - Quick junction module size 20 with solder cup contacts ref: 001100 267 02;

 - Quick junction module size 22 with straight PCB contacts ref: 001115 151 02;
 - Quick junction module size 20 with straight PCB contacts ref: 001100 271 02;
 - Quick junction module size 20 with 90° angled PCB contacts ref: 001100 272 02;

 - Quick junction grounding modules size 20 ref: 001118 202 02;
 - Quick junction grounding modules size 16 ref: 001118 302 02;
 - Quick junction grounding modules with mixed contacts ref: 001118 501 02;

- **Specification number:** NF EN 3708.

- **Overall dimensions, interfaces, connections (electrical, hydraulic, etc.), installation information in drawing:**
 - According to Quick junction modules catalogue.

- **Compliance statement related to the specification (including any limitations on use):**
 - The qualification is equivalent to NF EN 3708-001.

- **Inspection and maintenance instruction reference:** As specified in Amphenol Air LB quality manual

- **Qualification test report reference:**
 - CRE 01-002 issue.a (mixed modules);
 - CRE 09-001 issue ø (PCB);
 - QTR 12-010 issue ø (size 20);
 - QTR 13-006 issue ø (size 16).

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See following table for the main performances:

Constitution	
Shell material	Thermoplastic
Shell plating material	Tin (for grounding module 001118 202 02) Cadmium (for grounding module 001118 302 02) Gold (for grounding module 001118 501 02)
Insulation material	Silicone
Contact material	Copper alloy
Contact plating material	Gold

Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	Not concerned	daN
Contact retention in insert (minimum)	4 (size 22) 6.7 (size 20) 11 (other sizes)	daN
Mechanical endurance	Not concerned	Cycles
Vibrations (type)	Sinusoidal	Not applicable
Vibrations (maximum frequency)	2000	Hz
Vibrations (amplitude)	10	g
Vibrations (duration)	9	hours
Shocks (type)	Sinusoidal	Not applicable
Shocks (amplitude)	100	g
Shocks (duration)	6	ms
Resonant frequency minimum	Not concerned	Hz
Static loads (minimum)	Not concerned	daN

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Climatic performances		
Description	Data	Units
Maximum temperature of use	+175	°C
Minimum temperature of use	-55	°C
Salt mist resistance	48	hours
Resistance to fluids	Fuel / Synthetic hydraulic fluid / Mineral and synthetic lubricant / Cleaning products / De icing fluid	Not applicable
Interfacial sealing	Not concerned	mb
Air leakage	Not concerned	cm ³ /hour
Immersion at low air pressure	46.7 (except modules with solder cups and PCB contacts + and grounding modules)	mb
IP indice	Not concerned	Not applicable

Electrical performances		
Description	Data	Units
Insulation resistance	5000	MΩ
Voltage proof test	1500	V
Maximum intensity	5 (size 22) 7.5 (size 20) 13 (size 16) 23 (size 12 & 10)	A
Contact resistance	5 (size 22) 4 (size 20) 3 (size 16) 2 (size 12 & 10)	mΩ
Shell electrical continuity	4 (grounding modules only)	mΩ

Optical performances		
Description	Data	Units
Insertion loss	Not concerned	dB
Return loss	Not concerned	dB

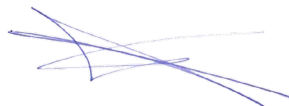
Fire behaviour	
In compliance with standard	ABD 0031 / EN 2591-317

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I hereby declare on behalf of the supplier that the information contained in this declaration of design and performance (DDP) is correct.

Date : 10/10/19

Sign :



Company : Amphenol Air LB

Position held : Engineering Manager

Name : Jerome CHEVALIER

Date : 10/10/19

Sign :



Company : Amphenol Air LB

Position held : Quality Manager

Name : Vincent BEYRIES