

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 00175X XXX 02
	<i>Quick junction modules type 1750, 1755, 1758</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 1750 & 1755 and grounding modules type 1758.

- **Part number:**
 - Quick junction modules size 22 ref: 001755 1XX 02;
 - Quick junction modules size 20 ref: 001755 2XX 02;
 - Quick junction modules size 16 ref: 001755 3XX 02;
 - Quick junction modules size 12 ref: 001755 4XX 02;
 - Quick junction modules with mixed contacts ref: 001755 5XX 02;
 - Quick junction modules with mixed contacts ref: 001755 6XX 02;

 - Quick junction module size 20 with straight PCB contacts ref: 001750 271 02.

 - Quick junction grounding modules size 22 ref: 001758 1XX 02;
 - Quick junction grounding modules size 20 ref: 001758 2XX 02;
 - Quick junction grounding modules size 16 ref: 001758 3XX 02;
 - Quick junction grounding modules size 12 ref: 001758 4XX 02;
 - Quick junction grounding modules with mixed contacts ref: 001758 5XX 02;

- **Specification number:** NF C 93-462

- **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 UTE C 93-462 HL 105.

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

- **Qualification test report reference:**
 - CRE 00-003 issue.ø;
 - QTR 09-012 issue ø (size 20);
 - QTR 18-002 issue ø (size 16).

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	<i>Quick junction modules type 1750, 1755, 1758</i>	Page 2 / 4

See following table for the main performances:

Constitution	
Shell material	Thermoplastic
Shell plating material	Nickel (for grounding modules 001758 213 02) Cadmium for other grounding modules
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)	5.4 (size 22) 9.0 (size 20) 11.4 (size 16) 13.6 (size 12 & 10)	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)	10	g
Shocks (duration)	11	ms
Resonant frequency minimum	Not concerned	Hz
Static loads (minimum)	Not concerned	daN

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 00175X XXX 02
	<i>Quick junction modules type 1750, 1755, 1758</i>	Page 3 / 4

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 / Mineral and synthetic hydraulic fluid / Mineral lubricant /	Not applicable
Interfacial sealing	Not concerned	mb
Air leakage	Not concerned	cm ³ /hour
Immersion at low air pressure	34 (except 001750 271 02 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) 46 (size & 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

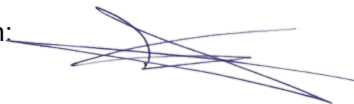
Fire behaviour	
In compliance with standard	ABD 0031 / EN 2591-317

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 00175X XXX 02
	<i>Quick junction modules type 1750, 1755, 1758</i>	Page 4 / 4

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

Date: January, 29th, 2021

Sign:



Company: Amphenol Air LB

Position held: Engineering Manager

Name: Jerome CHEVALIER

Date: January, 29th, 2021

Sign:



Company: Amphenol Air LB

Position held: Quality Director

Name: Vincent BEYRIES