

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP Circular grounding modules
	<i>Circular grouding modules type 1174 & 3108</i>	Page 1 / 3

- **Name and address of supplier:** Amphenol Air LB
2, rue Clément Ader
ZAC de WE
08 110 CARIGNAN France
- **Description of product:** Circular grounding modules type 1174 & 3108.
- **Part number:**
Circular grounding modules for male contacts ref: 001174 2XX XX;
Circular grounding modules for female contacts ref: 001174 2XX XX & 3108 8001 502;
Circular grounding modules for female contacts with resistance ref: 3108 800X 502.
- **Specification number:** ASNE 0425 + ABS 1599.
- **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 ABS 0099.
- **Inspection and maintenance instruction reference:** As specified in Amphenol Air LB quality manual
- **Qualification test report reference:** CRE 02-006 issue.ø (male modules without resistances);
CRE 09-001 issue ø (female modules with or without resistance).

See following table for the main performances:

Constitution	
Shell material	Thermoplastic
Shell plating material	Not concerned
Insulation material	Silicone
Contact material	Copper alloy
Contact plating material	Gold

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Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	Not concerned	daN
Contact retention in insert (minimum)	6.7	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

Climatic performances		
Description	Data	Units
Maximum temperature of use	+125	°C
Minimum temperature of use	-55	°C
Salt mist resistance	96	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 (sealing version)	mb
IP indice	Not concerned	Not applicable

Electrical performances		
Description	Data	Units
Insulation resistance	5000	MΩ
Voltage proof test	Not concerned	V
Maximum intensity	7.5	A
Contact resistance	4	mΩ
Shell electrical continuity	0.1	mΩ

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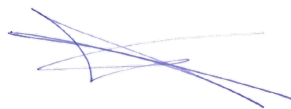
Optical performances		
Description	Data	Units
Insertion loss	Not concerned	dB
Return loss	Not concerned	dB

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

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

Date : 10/11/19

Sign :



Company : Amphenol Air LB

Position held : Engineering Manager

Name : Jerome CHEVALIER

Date : 10/11/19

Sign :



Company : Amphenol Air LB

Position held : Quality Manager

Name : Vincent BEYRIES