

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 3357 XXXX XXX
	<i>Push pull connector type 3357</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:** Push pull connectors in composite material.
- **Part number:**
Plug for push pull connector ref: 3357 800X 523;
Blank plug for push pull connector ref: 3357 8012 523;

Standard receptacle for push pull connector ref: 3357 8002 523;
Receptacle for push pull connector with straight contacts for PCB mounting ref: 3357 8010 523;
Receptacle for push pull connector with angled contacts for PCB mounting ref: 3357 80XX 523;

Cable clamp ref: 3357 0001 301.
- **Specification number:** ABS 1019
- **Overall dimensions, interfaces, connections (electrical, hydraulic, etc.), installation information in drawing:**
According to Push pull connectors catalogue
- **Compliance statement related to the specification (including any limitations on use):**
The qualification is equivalent to ABS 1019-001.
- **Inspection and maintenance instruction reference:** As specified in Amphenol Air LB quality manual
- **Qualification test report reference:** CRE 00-012 issue c / CRE 00-013 issue c / CRE 01-007 issue.ø

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

Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	35	daN
Contact retention in insert (minimum)	4.0 for size 22 6.0 for size 20	daN
Mechanical endurance	100	Cycles
Vibrations (type)	Sinusoidal	Not applicable
Vibrations (maximum frequency)	3000	Hz
Vibrations (amplitude)	20	g
Vibrations (duration)	12	hours
Shocks (type)	Sinusoidal	Not applicable
Shocks (amplitude)	50	g
Shocks (duration)	11	ms
Resonant frequency minimum	Not concerned	Hz
Static loads (minimum)	4	daN

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 and synthetic lubricant / Cleaning products / De icing fluid / Cooling fluid	Not applicable
Interfacial sealing	147	mb
Air leakage	Not concerned	cm ³ /hour
Immersion at low air pressure	147	mb
IP indice	Not concerned	Not applicable

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Electrical performances		
Description	Data	Units
Insulation resistance	5000	MΩ
Voltage proof test	1500	V
Maximum intensity	5.0 for size 22 7.5 for size 20	A
Contact resistance	Not concerned	mΩ
Shell electrical continuity	Not concerned	mΩ

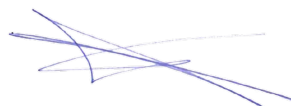
Optical performances		
Description	Data	Units
Insertion loss	Not concerned	dB
Return loss	Not concerned	dB

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

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

Date : 10/08/19

Sign :



Company : Amphenol Air LB

Position held : Engineering Manager

Name : Jerome CHEVALIER

Date : 10/08/19

Sign :



Company : Amphenol Air LB

Position held : Quality Manager

Name : Vincent BEYRIES