

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP ASR X X XX X X Page 1 / 4
	<i>ASR connector</i>	

- **Name and address of supplier:** Amphenol Air LB
2, rue Clément Ader
ZAC de WE
08 110 CARIGNAN France
- **Description of product:** ASR connectors in composite material with or without plating.

- **Part number:**

ASR standard plug with bright nickel plating: ASR N 7 XX X X;
ASR standard plug without plating: ASR S 7 XX X X;

ASR plug for 1 coaxial contact with bright nickel plating: ASR N 0 XX X X;
ASR plug for 1 coaxial contact without plating: ASR S 0 XX X X;

ASR in line interconnect with bright nickel plating: ASR N 1 XX X X;
ASR in line interconnect without plating: ASR S 1 XX X X;

ASR panel mounting receptacle with bright nickel plating: ASR N 2 XX X X;
ASR panel mounting receptacle without plating: ASR S 2 XX X X;

ASR 90° PCB mounting receptacle with bright nickel plating: ASR N 3 XX X X;
ASR 90° PCB mounting receptacle without plating: ASR S 3 XX X X;

ASR panel mounting receptacle for PCB with bright nickel plating: ASR N 5 XX X X;
ASR panel mounting receptacle for PCB without plating: ASR S 5 XX X X;

Straight backshell with bright nickel plating: ASR N X 1;
Straight backshell without plating: ASR S X 1;

90° angled backshell with bright nickel plating: ASR N X 2;
90° angled backshell without plating: ASR S X 2;

Receptacle cover with bright nickel plating: ASR N X 3;
Receptacle cover without plating: ASR S X 3;

45° angled backshell with bright nickel plating: ASR N X 5;
45° angled backshell without plating: ASR S X 5;

Straight screw backshell with bright nickel plating: ASR N X 8;
Straight screw backshell without plating: ASR S X 8;

45° angled screw backshell with bright nickel plating: ASR N X 10;
45° angled screw backshell without plating: ASR S X 10;

- **Specification number:** /

- **Overall dimensions, interfaces, connections (electrical, hydraulic, etc.), installation information in drawing:**

According to ASR connectors catalogue

- **Compliance statement related to the specification (including any limitations on use):**

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

- **Qualification test report reference:** QTR 17-006 issue.b;
QTR 11-009 issue.ø.

See following table for the main performances:

Constitution	
Shell material	Thermoplastic
Shell plating material	Bright nickel
Insulation material	Silicone
Contact material	Not concerned
Contact plating material	Not concerned

Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	10	daN
Contact retention in insert (minimum)	4.0 (size 22) 6.0 (size 20) 11 (size 16)	daN
Mechanical endurance	500	Cycles
Vibrations (type)	Random	Not applicable
Vibrations (maximum frequency)	2000	Hz
Vibrations (amplitude)	18.3	g
Vibrations (duration)	24	hours
Shocks (type)	Sinusoidal	Not applicable
Shocks (amplitude)	100	g
Shocks (duration)	6	ms
Resonant frequency minimum	Not concerned	Hz
Static loads (minimum)	4	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	96	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	Not concerned	mb
Air leakage	Not concerned	cm ³ /hour
Immersion at low air pressure	147	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)	A
Contact resistance	Not concerned	mΩ
Shell electrical continuity	10	mΩ

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

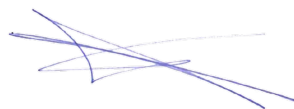
Fire behaviour	
In compliance with standard	ABD 0031 / EN 2591-317 / NF F 16-101 / NF F 16-102

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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 : 10/08/19

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