

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 001104 XXX X4
	<i>Male contacts with Nickel plating for modules</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:** Male contacts with nickel plating for modules.

- **Part number:**

Male contact size 20 for wire gauge 24 to 18 ref: 001104 200 04;
Male contact size 20 for wire gauge 22 to 18 ref: 001104 200 94;
Male contact size 20 for wire gauge 26 to 22 ref: 001104 202 04;
Male contact size 20 for wire gauge 24 to 20 ref: 001104 203 04;
Male contact size 16 for wire gauge 20 to 16 ref: 001104 300 04;
Male contact size 16 for wire gauge 18 to 14 ref: 001104 301 04;
Male contact size 12 for wire gauge 14 to 12 ref: 001104 400 04;
Male contact size 12 for wire gauge 20 to 16 ref: 001104 403 04;
Male contact size 10 for wire gauge 10 to 08 ref: 001104 620 04.

- **Specification number:** The contacts issued from EN 3155-016 but with nickel plating

- **Mass:** According to corresponding reference in contact guide.

- **Overall dimensions, interfaces, connections (electrical, hydraulic, etc.), installation information in drawing:**
According to corresponding reference in contact guide.

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

The qualification is equivalent to EN 3155-016

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

- **Qualification test report reference:** CRE 09-016 issue ø

See following table for the main performances:

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Constitution	
Shell material	Not concerned
Shell plating material	Not concerned
Insulation material	Not concerned
Contact material	Copper alloy
Contact plating material	Nickel

Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	Not concerned	daN
Contact retention in insert (minimum)	Not concerned	daN
Mechanical endurance	200	Cycles
Vibrations (type)	See corresponding modules	Not applicable
Vibrations (maximum frequency)		Hz
Vibrations (amplitude)		g
Vibrations (duration)		hours
Shocks (type)		Not applicable
Shocks (amplitude)		g
Shocks (duration)		ms
Resonant frequency minimum		Hz
Static loads (minimum)		daN

Climatic performances		
Description	Data	Units
Maximum temperature of use	+200	°C
Minimum temperature of use	-65	°C
Salt mist resistance	48	hours
Resistance to fluids	Not concerned	Not applicable
Interfacial sealing	Not concerned	mb
Air leakage	Not concerned	cm ³ /hour
Immersion at low air pressure	Not concerned	mb
IP indice	Not concerned	Not applicable

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Electrical performances		
Description	Data	Units
Insulation resistance	Not concerned	MΩ
Voltage proof test	Not concerned	V
Maximum intensity	Size 20: 7.5 Size 16: 13 Size 12: 23 Size 10: 46	A
Contact resistance	Size 20: 5 Size 16: 3 Size 12: 2 Size 10: 2	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	Not concerned

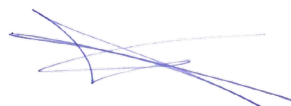
I hereby declare on behalf of the supplier that the information contained in this declaration of design and performance (DDP) is correct.

Date: 09/05/2019

Company: Amphenol Air LB

Position held: Engineering Director

Sign:



Name: Jerome CHEVALIER

Date: 09/05/2019

Company: Amphenol Air LB

Position held: Quality Director

Sign:



Name: Vincent BEYRIES