

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 001104 XXX X2
	<i>Male contacts with gold 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 gold plating for modules.

- **Part number:**

Male contact size 22 according to EN 3155-016 M 2222 ref: 001104 100 02;
Male contact size 20 according to EN 3155-016 M 2018 ref: 001104 200 02;
Male contact size 20 according to EN 3155-016 M 2020 ref: 001104 203 02;
Male contact size 16 according to EN 3155-016 M 1616 ref: 001104 300 02;
Male contact size 12 according to EN 3155-016 M 1212 ref: 001104 400 02;

Male contact size 20 for wire gauge 22 to 18 ref: 001104 200 92;
Male contact size 20 for wire gauge 26 to 22 ref: 001104 202 02;
Male contact size 16 for wire gauge 18 to 14 ref: 001104 301 02;
Male contact size 16 for wire gauge 24 to 22 ref: 001104 304 02;
Male contact size 12 for wire gauge 20 to 16 ref: 001104 403 02;
Male contact size 10 for wire gauge 10 to 08 ref: 001104 620 02;
Male contact size 10 for wire gauge 12 to 10 ref: 001104 630 02.

- **Specification number:** EN 3155-016

- **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:

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 001104 XXX X2
	<i>Male contacts with gold plating for modules</i>	Page 2 / 3

Constitution	
Shell material	Not concerned
Shell plating material	Not concerned
Insulation material	Not concerned
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)	Not concerned	daN
Mechanical endurance	500	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

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP 001104 XXX X2
	<i>Male contacts with gold plating for modules</i>	Page 3 / 3

Electrical performances		
Description	Data	Units
Insulation resistance	Not concerned	MΩ
Voltage proof test	Not concerned	V
Maximum intensity	Size 22: 5 Size 20: 7.5 Size 16: 13 Size 12: 23 Size 10: 46	A
Contact resistance	Size 22: 8 Size 20: 5 Size 16: 3 Size 12: 2 Size 10: 2	mΩ
Shell electrical continuity	Not concerned	mΩ

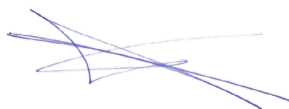
Optical performances		
Description	Data	Units
Insertion loss	Not concerned	dB
Return loss	Not concerned	dB

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

Sign:



Company: Amphenol Air LB

Position held: Engineering Director

Name: Jerome CHEVALIER

Date: 09/05/2019

Sign:



Company: Amphenol Air LB

Position held: Quality Director

Name: Vincent BEYRIES