

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP SIM MD 0145 XXX
	<i>SIM modules for RJ 45 connectors</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:** SIM modules for RJ 45 connectors.

- **Part number:**
SIM male module for RJ 45 connector class C ref: SIM MD 0145 PN;
SIM female module for RJ 45 connector class C ref: SIM MD 0145 SN;

SIM male module for RJ 45 connector class Ea ref: SIM MD 0145 E PN;
SIM female module for RJ 45 connector class Ea ref: SIM MD 0145 E SN;

SIM male module for RJ 45 connector 10G base T ref: SIM MD 0145 E PS;
SIM female module for PCB mounting 10G base T ref: SIM MD 0145 E SS;

- **Specification number:** NF EN 4165-001

- **Overall dimensions, interfaces, connections (electrical, hydraulic, etc.), installation information in drawing:**
According to SIM connectors catalogue

- **Compliance statement related to the specification (including any limitations on use):**
The qualification is equivalent to EN 4165-001

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

- **Qualification test report reference:** QTR 03-539 issue 0.

See following table for the main performances:

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

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Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	10	daN
Contact retention in insert (minimum)	4	daN
Mechanical endurance	500	Cycles
Vibrations (type)	Sinusoidal	Not applicable
Vibrations (maximum frequency)	500	Hz
Vibrations (amplitude)	10	g
Vibrations (duration)	9	hours
Shocks (type)	Sinusoidal	Not applicable
Shocks (amplitude)	30	g
Shocks (duration)	11	ms
Resonant frequency minimum	Not concerned	Hz
Static loads (minimum)	Not concerned	daN

Climatic performances		
Description	Data	Units
Maximum temperature of use	100	°C
Minimum temperature of use	-40	°C
Salt mist resistance	96	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

Electrical performances		
Description	Data	Units
Insulation resistance	Not concerned	MΩ
Voltage proof test	Not concerned	V
Maximum intensity	Not concerned	A
Contact resistance	Not concerned	mΩ
Shell electrical continuity	10	mΩ

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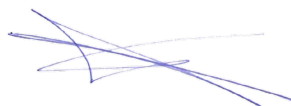
Optical performances		
Description	Data	Units
Insertion loss	Not concerned	dB
Return loss	Not concerned	dB

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

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

Date : 09/20/2019

Sign :



Company : Amphenol Air LB

Position held : Engineering Manager

Name : Jerome CHEVALIER

Date : 09/30/2019

Sign :



Company : Amphenol Air LB

Position held : Quality Manager

Name : Vincent BEYRIES