

	DECLARATION OF DESIGN AND PERFORMANCE	Reference DDP Relays sockets for railway
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- **Name and address of supplier:** Amphenol Air LB
2, rue Clément Ader
ZAC de WE
08 110 CARIGNAN France

- **Description of product:** Relays sockets for railway industries.

- **Part number:**

Sockets for relay 4 RT ref: 00551X 39X 00X;
Sockets for relay 6 RT ref: 00551X 69X 00X;

Sockets for relay in A.R.C material (Amphenol Railway Compound) 4 RT ref: 3410 802X 00X X;
Sockets for relay in A.R.C material 6 RT ref: 3416 8011 00X X;

Clamping carrier blocks ref: 005510 110 XX / 005510 210 00 / 005510 510 XX;

Metallic pillars ref 001522 XXX 60.

- **Specification number:** NF F 62-002.

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

According to Railway industrial sockets catalogue

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

The qualification is equivalent to NF F 62-002.

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

- **Qualification test report reference:** QTR 14-032 issue a (Sockets for relay 4 & 6 RT);
CRE 15-013 issue b (Sockets for relay 4 & 6 RT in A.R.C).

See following table for the main performances:

Constitution	
Shell material	Thermoplastic
Shell plating material	Not concerned
Insulation material	Not concerned
Contact material	Copper alloy
Contact plating material	Tin

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Mechanical performances		
Description	Data	Units
Insert retention in housing (minimum)	Not concerned	daN
Contact retention in insert (minimum)	10	daN
Mechanical endurance	Not concerned	Cycles
Vibrations (type)	Random	Not applicable
Vibrations (maximum frequency)	250	Hz
Vibrations (amplitude)	0.55	g
Vibrations (duration)	0,5	hours
Shocks (type)	Demi sinusoid	Not applicable
Shocks (amplitude)	30	g
Shocks (duration)	18	ms
Resonant frequency minimum	Not concerned	Hz
Static loads (minimum)	Not concerned	daN

Climatic performances		
Description	Data	Units
Maximum temperature of use	+70 +120 (A.R.C material)	°C
Minimum temperature of use	-25 -60 (A.R.C material)	°C
Salt mist resistance	96	hours
Resistance to fluids	Fuel / Mineral and synthetic oils /	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	1000	MΩ
Voltage proof test	2625	V
Maximum intensity	10	A
Contact resistance	Not concerned	mΩ
Shell electrical continuity	Not concerned	mΩ

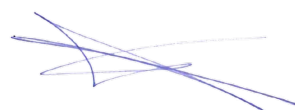
Optical performances		
Description	Data	Units
Insertion loss	Not concerned	dB
Return loss	Not concerned	dB

Fire behaviour	
In compliance with standard	NF F 16-101 / NF F 16-102 + EN 45545 & NFPA 130 (A.R.C material)

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

Date: 10/29/19

Sign:



Company: Amphenol Air LB

Position held: Engineering Director

Name: Jerome CHEVALIER

Date: 10/29/19

Sign:



Company: Amphenol Air LB

Position held: Quality Director

Name: Vincent BEYRIES