

|                                                                                  |                                                  |                                       |
|----------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
|  | <b>DECLARATION OF DESIGN<br/>AND PERFORMANCE</b> | <b>Reference</b><br>DDP 001119 XXX 02 |
|                                                                                  | <i>Splices with or without components</i>        | <b>Page 1 / 3</b>                     |

- **Name and address of supplier:** Amphenol Air LB  
2, rue Clément Ader  
ZAC de WE  
08 110 CARIGNAN France

- **Description of product:** Splices with or without components type 1119.

- **Part number:**

Splices size 22 without components ref: 001119 1XX 02;  
Splices size 20 without components ref: 001119 2XX 02;  
Splices size 16 without components ref: 001119 3XX 02;  
Splices with mixed contacts without components ref: 001119 5XX 02;

Splices size 20 with components ref: 001119 6XX 02 / 001119 7XX 02 / 001119 8XX 02.

- **Specification number:** NSA 936830 (splices without components)  
ASNE 0535 + ASNE 0536 + ASNE 0537 (splices with components).

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

According to Quick junction modules catalogue.

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

The qualification is equivalent to EN 3708-001.

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

- **Qualification test report reference:** CRE 04-041 issue.ø (splices without components size 22);  
CRE 10-018 issue ø (splices without components size 20).  
QTR 15-006 issue ø (splices without components size 16).  
QTR 19-012 issue ø (splices with components size 20).

See following table for the main performances:

| Constitution             |                                              |
|--------------------------|----------------------------------------------|
| Shell material           | Thermoplastic (splices with components only) |
| Shell plating material   | Not concerned                                |
| Insulation material      | Silicone                                     |
| Contact material         | Copper alloy                                 |
| Contact plating material | Gold                                         |

|                                                                                                                                    |                                                  |                                       |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| <br>Your Satisfaction.<br>Everyday.<br>Everywhere. | <b>DECLARATION OF DESIGN<br/>AND PERFORMANCE</b> | <b>Reference</b><br>DDP 001119 XXX 02 |
|                                                                                                                                    | <i>Splices with or without components</i>        | <b>Page 2 / 3</b>                     |

| Mechanical performances               |                                              |                |
|---------------------------------------|----------------------------------------------|----------------|
| Description                           | Data                                         | Units          |
| Insert retention in housing (minimum) | Not concerned                                | daN            |
| Contact retention in insert (minimum) | 5.4 (size 22)<br>9 (size 20)<br>11 (size 16) | daN            |
| Mechanical endurance                  | Not concerned                                | Cycles         |
| Vibrations (type)                     | Sinusoidal                                   | Not applicable |
| Vibrations (maximum frequency)        | 2000                                         | Hz             |
| Vibrations (amplitude)                | 10                                           | g              |
| Vibrations (duration)                 | 9                                            | hours          |
| Shocks (type)                         | Sinusoidal                                   | Not applicable |
| Shocks (amplitude)                    | 100                                          | g              |
| Shocks (duration)                     | 6                                            | ms             |
| Resonant frequency minimum            | Not concerned                                | Hz             |
| Static loads (minimum)                | Not concerned                                | daN            |

| Climatic performances         |                                                                                                                  |                       |
|-------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|
| Description                   | Data                                                                                                             | Units                 |
| Maximum temperature of use    | +175 (without components)<br>According to the components<br>for splices with components                          | °C                    |
| Minimum temperature of use    | -55 (without components)<br>According to the components<br>for splices with components                           | °C                    |
| Salt mist resistance          | 48                                                                                                               | hours                 |
| Resistance to fluids          | Fuel / Synthetic hydraulic<br>fluid / Mineral and synthetic<br>lubricant / Cleaning products<br>/ De icing fluid | Not applicable        |
| Interfacial sealing           | Not concerned                                                                                                    | mb                    |
| Air leakage                   | Not concerned                                                                                                    | cm <sup>3</sup> /hour |
| Immersion at low air pressure | 46.7 (without components)<br>147 (with components)                                                               | mb                    |
| IP indice                     | Not concerned                                                                                                    | Not applicable        |

|                                                                                  |                                                  |                                       |
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| Electrical performances     |                                                                                         |       |
|-----------------------------|-----------------------------------------------------------------------------------------|-------|
| Description                 | Data                                                                                    | Units |
| Insulation resistance       | 5000                                                                                    | MΩ    |
| Voltage proof test          | 1500 (without components)<br>According to the components<br>for splices with components | V     |
| Maximum intensity           | 5 (size 22)<br>7.5 (size 20)<br>13 (size 16)                                            | A     |
| Contact resistance          | 5 (size 22)<br>4 (size 20)<br>3 (size 16)                                               | mΩ    |
| Shell electrical continuity | Not concerned                                                                           | mΩ    |

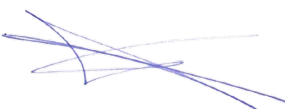
| Optical performances |               |       |
|----------------------|---------------|-------|
| Description          | Data          | Units |
| Insertion loss       | Not concerned | dB    |
| Return loss          | Not concerned | dB    |

| Fire behaviour              |                        |
|-----------------------------|------------------------|
| In compliance with standard | ABD 0031 / EN 2591-317 |

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

Date : 10/11/19

Sign :



Company : Amphenol Air LB

Position held : Engineering Manager

Name : Jerome CHEVALIER

Date : 10/11/19

Sign :



Company : Amphenol Air LB

Position held : Quality Manager

Name : Vincent BEYRIES