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|  | DECLARATION OF DESIGN AND PERFORMANCE | Reference DDP 0017X4 780 03 |
| | <i>Male and female contacts with silver plating for I = 80 A</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 and female contacts with silver plating for a current = 80A.

- **Part number:**

Female contact size 08 80A ref: 001704 780 03;
Male contact size 08 80A ref: 001714 780 03;

- **Specification number:**

ASNE 0824 for male contact;
ASNE 0825 for female contact.

- **Mass:**

4.3 g for male contact;
5.6 g for female contact.

- **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 3155-001.

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

- **Qualification test report reference:** QTR 11-031 issue ø


See following table for the main performances:

| Constitution | |
|--------------------------|---------------|
| Shell material | Not concerned |
| Shell plating material | Not concerned |
| Insulation material | Not concerned |
| Contact material | Copper alloy |
| Contact plating material | Silver |

| 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 connectors | 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) | | Not concerned | daN |

| Climatic performances | | |
|-------------------------------|---------------|-----------------------|
| Description | Data | Units |
| Maximum temperature of use | +150 | °C |
| Minimum temperature of use | -55 | °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 |

| Electrical performances | | |
|-----------------------------|---------------|-------|
| Description | Data | Units |
| Insulation resistance | Not concerned | MΩ |
| Voltage proof test | Not concerned | V |
| Maximum intensity | 80 | A |
| Contact resistance | 2 | mΩ |
| Shell electrical continuity | Not concerned | mΩ |

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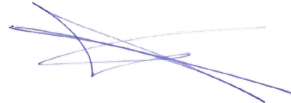
| Optical performances | | |
|----------------------|---------------|-------|
| Description | Data | Units |
| Insertion loss | Not concerned | dB |
| Return loss | Not concerned | dB |

| Fire behaviour | |
|-----------------------------|---------------|
| In compliance with standard | 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