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**FACEPLATE KIT, DECORATOR, B.S. STYLE, ANGLED, SHUTTERED**

**1. INTRODUCTION**

1.1. Purpose

Testing was performed on AMP NETCONNECT decorator 1/2 Port Faceplate Kit, British Standard style, angled and shuttered, to determine its conformance to the requirements of product Specification 108-102020 Revision C.

1.2. Scope

This report covers the mechanical and environmental performance of AMP NETCONNECT decorator 1/2 Port Faceplate Kit, British Standard style, angled and shuttered (1859167-1,1859168-1). Testing was performed from 2009, Oct 12 to 2009, Oct 23.

1.3. Conclusion

The NETCONNECT decorator 1/2 Port Faceplate Kit, British Standard style, angled and shuttered, listed in paragraph 1.5 conformed to the mechanical and environmental performance requirements of product specification 108-102020 Revision C.

1.4. Product Description

The faceplate is designed for mounting the SL series and 110 Connect Modular Jack families.

1.5. Test Specimens

Test specimens Faceplate and SL & 110 connect jacks shall be prepared in accordance with the applicable instruction sheet and shall be selected at random from current production. All test groups shall consist of 2 Faceplate assemblies and one SL connect jack and one 110 connect jack.

1.6. Environmental Conditions

Unless otherwise stated, the following environmental conditions prevailed during testing:  
Temperature: 15 to 35°C, Relative Humidity: 25 to 75%.

1.7. Qualification Test Sequence

| Test or Examination                  | Test Group        |     |     |     |     |
|--------------------------------------|-------------------|-----|-----|-----|-----|
|                                      | 1                 | 2   | 3   | 4   | 5   |
|                                      | Test Sequence (a) |     |     |     |     |
| Examination of product               | 1,3               | 1,4 | 1,3 | 1,3 | 1,4 |
| Jack Retention to Jack Holder        | 2                 |     |     |     |     |
| Jack Holder Retention to Faceplate   | 2                 |     |     |     |     |
| Mating Force for Jack to Jack Holder |                   |     |     |     | 2   |
| Repeated mating / unmating           |                   |     |     |     | 3   |
| Shutter Test                         |                   | 2   |     |     |     |
| Thermal Shock                        |                   |     | 2   |     |     |
| Humidity-Temperature Life            |                   |     |     | 2   |     |

Note: (a) Numbers indicate sequence in which tests are performed

**2. SUMMARY OF TESTING**

2.1 Examination of Product - All Test Groups

All specimens submitted for testing were visually examined, dimensional measured and they met the requirements of product drawing. No evidence of physical damage detrimental to product performance was observed.

2.2 Jack retention to Jack Holder - Test Group 1

Apply axial load of 6.8kg (15lbs) to plug housing at rate of 0.5 in per minute with plug mated in jack and latch engaged. Faceplate shall be fixed to test device with mounting screws as per normal installation. Jack did not dislodge from the Jack Holder.

2.3 Jack Holder Retention to Faceplate - Test Group 1

Apply axial load of 6.8kg (15lbs) to plug housing at rate of 0.5 in per minute with plug mated in jack and latch engaged. Faceplate shall be fixed to test device with mounting screws as per normal installation. Jack Holder did not dislodge from the Faceplate.

#### 2.4 Mating Force for Jack to Jack Holder - Test Group 5

Measured force necessary to mate Jack to the Jack Holder at 0.5 inch per minute. For all specimens, the forces were less than 7.3kg (16 lbs) maximum limit, with the right side of the jack latch engaged.

#### 2.5 Repeated mating / unmating - Test Group 5

Subject Jack and Faceplate assembly to 10 cycles of repeating mating / unmating. During unmating, the jack latch is to be depressed. Jack did not dislodge from the Jack Holder

#### 2.6 Shutter Test - Test Groups 2

Shutter was operated by manually withdrawing and inserting the plug into the jack socket 7,500 times. Shutter & inlet openings haven't shown any wear impairing its operation and continue to shield jack receptacle opening.

#### 2.7 Thermal Shock - Test Group 3

Subject assembly to 25 cycles between -40°C and 70 °C, 1 hour cold, 5 minutes max. transfer, 1 hour heat. All specimens met the visual requirements, no physical damage found.

#### 2.8 Humidity-Temperature Life - Test Group 4

Subject assembly to 10 humidity-temperature cycles between 25 to 65°C at 95% RH. All specimens met the visual requirements, no physical damage found.