

AMPHENOL HPT-3-M

Amphenol

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<http://www.amphenolaudio.com/patents/>

Amphenol Australia Pty Ltd

REV : 1

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ASSEMBLY & DISASSEMBLY INSTRUCTION PI 1073

HPT-3-M - MALE POWER CONNECTOR ASSEMBLY

A. ASSEMBLY INSTRUCTION

[Step 1 - Backshell, grommet and strain relief housing assembly — 1. oldal](#)

1.

1. SLIDE THE BACKSHELL & GROMMET AND STRAIN RELIEF HOUSING ONTO THE CABLE.

SELECT GROMMET SIZE AS FOLLOWS:

- SMALL GROMMET : 6.0 - 9.0 mm CABLE OD.
- BIG GROMMET : 9.0 - 12.0 mm CABLE OD.

[Step 2 - Cable stripping dimensions — 1. oldal](#)

2.

1. STRIP THE CABLE AS SPECIFIED DIMENSIONS.

[Step 3 - Conductor insertion and wiring diagrams — 1. oldal](#)

3.

1. INSERT THE CONDUCTORS INTO THE REAR OF THE CONTACTS. TIGHTEN SCREWS TO 0.7Nm USING HEX ALLEN KEY 2.0MM

GREEN

(EARTH)

WHITE

(NEUTRAL)

GREEN/YELLOW

(EARTH)

BLUE

(NEUTRAL)

BLACK

(LINE)

BROWN

(LINE)

UL WIRING

VDE WIRING

HEX KEY 2.0mm

TORQUE: 0.7Nm MAX

[Step 4 - Insert and strain relief housing assembly — 1. oldal](#)

4.

1. PUSH THE INSERT AND THEN THE STRAIN RELIEF HOUSING INTO THE CONNECTOR HOUSING, MAKING SURE BOTH SQUARE KEY ALIGN WITH THE SQUARE KEY WAY ON THE HOUSING.

[Step 5 - Grommet installation — 2. oldal](#)

5.

1. PUSH THE GROMMET INTO THE STRAIN RELIEF HOUSING.

[Step 6 - Backshell installation — 2. oldal](#)

6.

1. PUSH AND TURN SIMULTANEOUSLY THE BACKSHELL ONTO THE CONNECTOR HOUSING

[Step 7 - Final tightening — 2. oldal](#)

7.

1. TIGHTEN THE BACKSHELL TO 3.1 Nm MAX TO CLOSE THE CONNECTOR ASSEMBLY.

B. DISASSEMBLY INSTRUCTION

1. INSERT THE RELEASE TOOL "HPT-RT" ONTO THE BACKSHELL
 - a. SLIDE THE BLADE OF THE RELEASE TOOL INTO THE SLOT ON THE BACK SHELL.
 - b. THEN PRESS TWO PINS ON THE RELEASE TOOL INTO TWO HOLES ON THE BACKSHELL
2. TURN THE BACKSHELL COUNTER -CLOCKWISE TO REMOVE

[Disassembly steps with release tool — 2. oldal](#)

NOTE: ALTERNATIVELY A SMALL FLAT BLADED SCREWDRIVER CAN BE USED TO INSERT INTO THE SLOT THEN SIMULTANEOUSLY LIFT AND TURN THE BACKSHELL

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