Introducing
UV-Resistant Sealed Circular Plastic Connectors (CPC)

NOW OFFERING HOUSINGS WITH UL F1 RATED MATERIAL & ENVIRONMENTAL SEALING

The new Sealed CPC using UL F1-rated resin is ideal for UV resistance in outdoor applications. The UL F1 rating meets industry standards for long-term UV exposure, making the housings suitable for outside applications where parts are subject to frequent or extended periods of exposure to sun light. The new CPC is sealed to IP67 with no additional enclosure needed to protect the mated connector from water exposure, making it easier to install and lowering the cost of installation. The circular configuration requires less space than a rectangular-style connector with an equal number of contacts for an efficient use of space on your equipment.

Receptacle and plug housings accept Type III+ signal contacts and/or AMP POWERBAND (size 8) contacts. The housings come in three series designed to handle standard signal, power with current up to 50A per contact and combinations of signal and power in the same housing. All housing variations include sealing to IP67. Mounting options include panel mount and free-hanging.

TE connectivity

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KEY FEATURES

- F1 rated material withstands UV exposure per industry standards, prolonging equipment life
- IP67 sealing capability allows equipment usage in wet locations without added cost of supplemental enclosure
- Circular design maximizes contact density, lowering equipment space requirements for power and signal interconnections

APPLICATIONS

- Outdoor applications with UV and water exposure; such as Alternative Energy & Wireless Transmission

MECHANICAL

- Sealing capability per IP67 rating

ELECTRICAL

- UL Voltage Rating
  - Series 1 & 6 – 600 V (AC or DC)
  - Series 5 – 250 V (AC or DC)

MATERIALS

- Rated F1 per UL requirements for UV resistance
- Flammability Rating: UL 94V-0 rated

SPECIFICATIONS

- UL recognized (File No. E28476)

PRODUCT OFFERING

Part Number	Description
SERIES 1: SIGNAL	
1977876-1	Panel Mount Receptacle Housing, 11-4, Standard Sex
1977877-1	Free Hanging Receptacle Housing, 11-4, Standard Sex
1977878-1	Plug Housing, 11-4, Standard Sex
1977879-1	Panel Mount Receptacle Housing, 11-4, Reverse Sex
1977880-1	Free Hanging Receptacle Housing, 11-4, Reverse Sex
1977881-1	Plug Housing, 11-4, Reverse Sex
1977882-1	Panel Mount Receptacle Housing, 13-9, Standard Sex
1977883-1	Free Hanging Receptacle Housing, 13-9, Standard Sex
1977884-1	Plug Housing, 13-9, Standard Sex
1977885-1	Panel Mount Receptacle Housing, 23-37, Standard Sex
1977886-1	Free Hanging Receptacle Housing, 23-37, Standard Sex
1977887-1	Plug Housing, 23-37, Standard Sex
SERIES 5: POWER	
1977888-1	Panel Mount Receptacle Housing, 17-3, Reverse Sex
1977889-1	Plug Housing, 17-3, Reverse Sex
SERIES 6: POWER & SIGNAL (HYBRID)	
1977890-1	Panel Mount Receptacle Housing, 23-16, Standard Sex
1977891-1	Free Hanging Receptacle Housing, 23-16, Standard Sex
1977892-1	Plug Housing, 23-16, Standard Sex

Samples available via TE.com

TE Technical Support Center

Internet:	te.com/help
USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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6-1773700-2 CIS WR PDF 09/2013

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te.com/products/circularplasticconnectors

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