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1 YEAR
WARRANTY



User's Guide

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PT SERIES

Electrical Connectors

Twist Lock Type



PT SERIES ELECTRICAL CONNECTORS TWIST LOCK TYPE

Introduction

The OMEGA® PT Series Connectors are miniature, quick-disconnect and environment-resisting, designed for operation between -55 and 125°C (-67 and 257°F). Solder contacts are provided. Designed to accommodate both power and signal circuitry, these connectors are available in a great variety of sizes and contact configurations. Solder type contact connectors are pressure-tight and immersion proof. Crimp contact connectors provide a pressure tight seal when mated. Refer to Table 1.

Table 1

Part No.	No. of Contacts
PT01F8-4P	4
PT01F10-6P	6
PT06F8-4S	4
PT06F10-6S	6

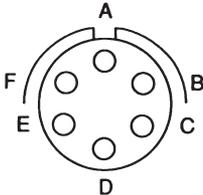
Features

- Rugged Aluminum Shells
- Rated to 125°C (257°F)
- Strain Relief Cable Clamp
- Secure Solder Contacts
- #20 AWG Wire Size
- High Conductivity Gold Plated Contacts

Pin Assignments



STYLE 8-4



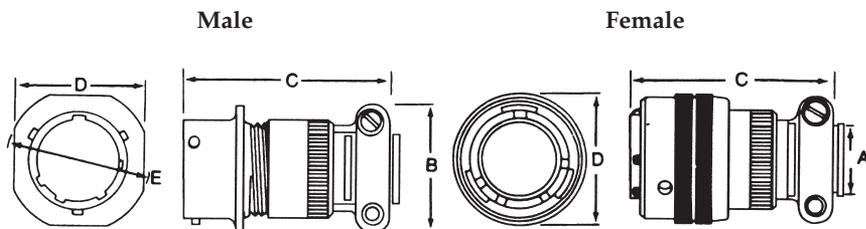
STYLE 10-6

PT SERIES ELECTRICAL CONNECTORS TWIST LOCK TYPE



Specifications

Insulation Resistance at 25°C: (77°F)	5000 megohms min.
Voltage Drop:	#20 contact, #20 wire, at 7.5 A, 55 mV max.
Air Pressure:	30 psi at -55°C (-67°F)
Water Immersion:	1.8 m (6'), 48 hours
Durability:	500 cycles of coupling and uncoupling
Shells:	Aluminum alloy, 0.0003 cadmium plate with olive drab chromate
Insulators:	Neoprene
Contacts:	High conductivity copper alloy, 0.000050 gold over copper
Dimensions:	See Figure 1



Dimensions mm (in.)					
Model No.	A dia min	B max	C max	D max	E ± 0.020
PT01F8-4P	5.94 (0.234)	21.03 (0.828)	48.82 (1.922)	21.03 (0.828)	23.83 (0.938)
PT01F10-6P	7.54 (0.297)	22.63 (0.891)	48.82 (1.922)	24.23 (0.954)	26.97 (1.062)
PT06F8-4S	5.94 (0.234)	21.03 (0.828)	46.43 (1.828)	19.05 (0.750)	—
PT06F10-6S	7.54 (0.297)	22.63 (0.891)	46.43 (1.828)	21.82 (0.859)	—

Figure 1. Dimensions for PT01F and PT06F



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WARNING: These products are not designed for use in, and should not be used for, human applications.

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OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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