

RaychemSPECIFICATION
CONTROL DRAWING

Product name

DK-3716-Ex12-Ty

Date

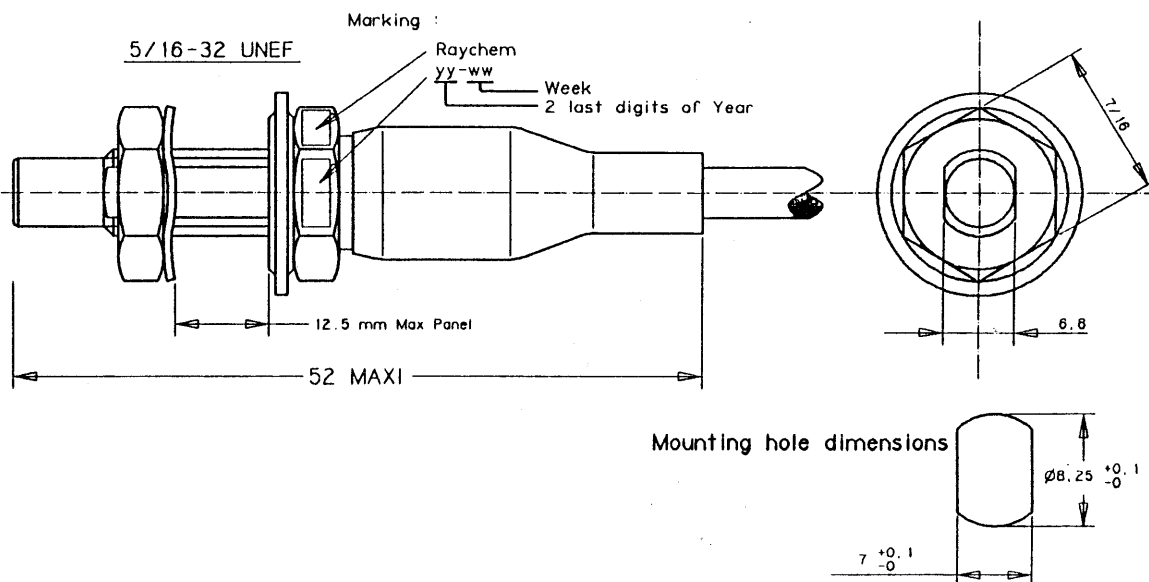
15/NOV/91

Revision

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THREADED, TRIAXIAL CONNECTOR, LONG REACH
TO

AECMA EN 3716-003 SPECIFICATION



PART NUMBERING SYSTEM

DK-3716-Ex12-Ty

Serie

Connector type

E : Jack, Jam nut panel
mounted

Cable type

1 : Single braid
2 : Double braid / Superscreened

Contact type

P : Pin

S : Socket

Twinnax cable

Serial Number

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Check with the web for latest revision.

Dimensions are in millimeters

DIFFUSION	DRAWN Ph.ROUCAUTE Engineering <i>R</i>	APPROVED R.DE CONTI Product Manager <i>R. De Conti</i>	REPLACES
	APPROVED Ph.GUILLON Development <i>Guillon</i>	APPROVED B.DAUVILLIERS Quality Assurance <i>B. Dauvilliers</i>	PROJECT NUMBER ECN: T-19444 CAD : 1R914602

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ORIGINAL DOCUMENT

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1 MATERIALS AND FINISHESIf this document is printed it becomes uncontrolled.
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1.1 Housing Body: Brass Alloy per QQ-B-626D
Tin Plated per MIL-T-10727
Over Nickel per MIL-C-26074

* 1.2 Jam Nut: Brass Alloy per QQ-B-626D
Over Nickel per MIL-C-26074

1.3 Wave Washer: Spring Steel
Over Nickel per MIL-C-26074

Sealing Washer

Elastomer: Silicone per AMS-3304

Washer: CRES per MIL-S-5059 Half Hard or Annealed
Passivated per QQ-P-35

Insulation: Polyethersulfone

* Jam nut shall be torqued 1.13-1.7 m.N when installing connector in panel.

2 WIRE ACCOMMODATIONS

2.1 The connector will terminate to a shielded twisted pair AWG 26 to AWG 22.

2.2 Termination procedure : Raychem RPIP-695-01.

3 INTERMATEABILITY

3.1 This connector will mate with DK-3716-Fxxx-yy.

4 CONTACTS

4.1 This connector will accommodate the following Raychem contacts :

Part No.	Description
D-602-0126	Twinax, Pin
D-602-0127	Twinax, Socket

5 PERFORMANCE CAPABILITIES

5.1 Design to meet Raychem Performance Specification D-6025 and AECMA EN 3716-003.

5.2 General Characteristics

5.2.1 Maximum Operating Temperature : 150°C.

5.2.2 Current Rating : 3 amps maximum.

5.2.3 Insulation Resistance : 5000 megohms minimum.

5.2.4 High Potential, Mated, Sea Level : 900 volts at 60 Hz.

5.2.5 Contact Resistance, Initial : 8 milliohms maximum.

5.2.6 Connector Mating Coupling Torque : 1.13 m.N maximum.

5.2.7 Insertion Force : 1.4 kg maximum.

5.2.8 Withdrawal Force : 30 g maximum.

5.2.9 Contact Retention Terminated : 9 kg minimum.

5.2.10 Durability : 500 cycles.

5.2.11 Corrosion Resistance : 500 hours.

5.2.12 Weight : 10 g Max.

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