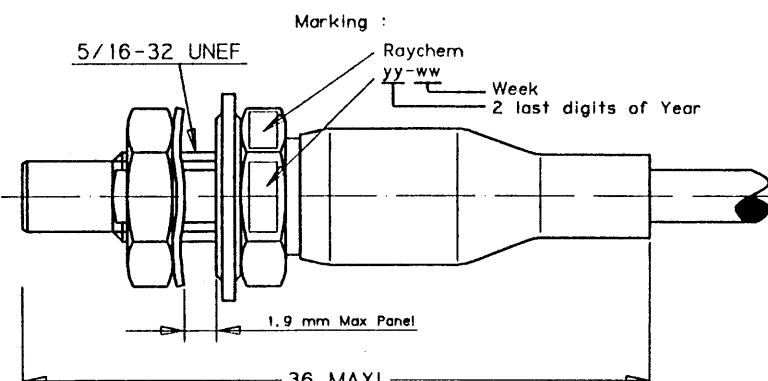
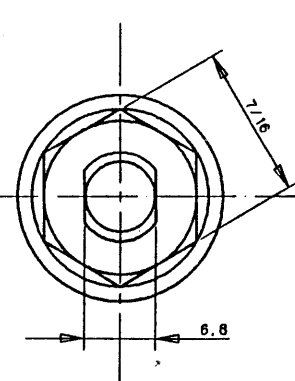


|                |                                  |                                         |                   |
|----------------|----------------------------------|-----------------------------------------|-------------------|
| <b>Raychem</b> | SPECIFICATION<br>CONTROL DRAWING | Product name<br><b>DK-37 16-Ex02-Ty</b> | Date<br>06/SEP/91 |
|                |                                  |                                         | Revision<br>Ø     |

THREADED, TRIAXIAL CONNECTOR  
TO  
AECMA EN 37 16-003 SPECIFICATION



Marking :  
yy-ww  
Week  
2 last digits of Year



PART NUMBERING SYSTEM

**DK-37 16-Ex02-Ty**

Serie

Connector type  
E : Jack, Jam nut panel mounted

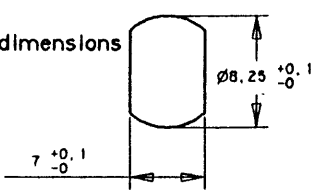
Cable type  
1 : Single braid  
2 : Double braid / Superscreened

Contact type  
P : Pin  
S : Socket

Twinnax cable

Serial Number

Mounting hole dimensions



| RAYCHEM<br>Part Numbering | AECMA<br>Part Numbering |
|---------------------------|-------------------------|
| DK-37 16-E102-TP          | EN 37 16-003-M-1        |
| DK-37 16-E202-TP          | EN 37 16-003-M-2        |
| DK-37 16-E102-TS          | EN 37 16-003-F-1        |
| DK-37 16-E202-TS          | EN 37 16-003-F-2        |

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Check with the web for latest revision.

Dimensions are in millimeters

|                                    |                                             |                                  |
|------------------------------------|---------------------------------------------|----------------------------------|
| DRAWN Ph.ROUCAUTE<br>Engineering   | APPROVED R.DE CONTI<br>Product Manager      | REPLACES                         |
| APPROVED Ph.GUILLON<br>Development | APPROVED B.DAUVILLIERS<br>Quality Assurance | PROJECT NUMBER<br>CAD : 1R913702 |

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|                |                                          |                                        |                                    |
|----------------|------------------------------------------|----------------------------------------|------------------------------------|
| <b>Raychem</b> | <b>SPECIFICATION<br/>CONTROL DRAWING</b> | Product name<br><b>DK-3716-Ex02-Ty</b> | Date<br>06/SEP/91<br>Revision<br>Ø |
|----------------|------------------------------------------|----------------------------------------|------------------------------------|

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**1 MATERIALS AND FINISHES**

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-695-00.

**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 | Twinox, Pin    |
| D-602-0127 | Twinox, 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.

DIFFUSION

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