

38999 Series III, Arinc 600 & 404 Series ELIO® AQ Adaptor

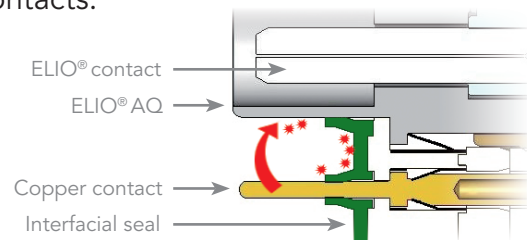


Turn Quadrax #8 Cavities Into Optic Ways

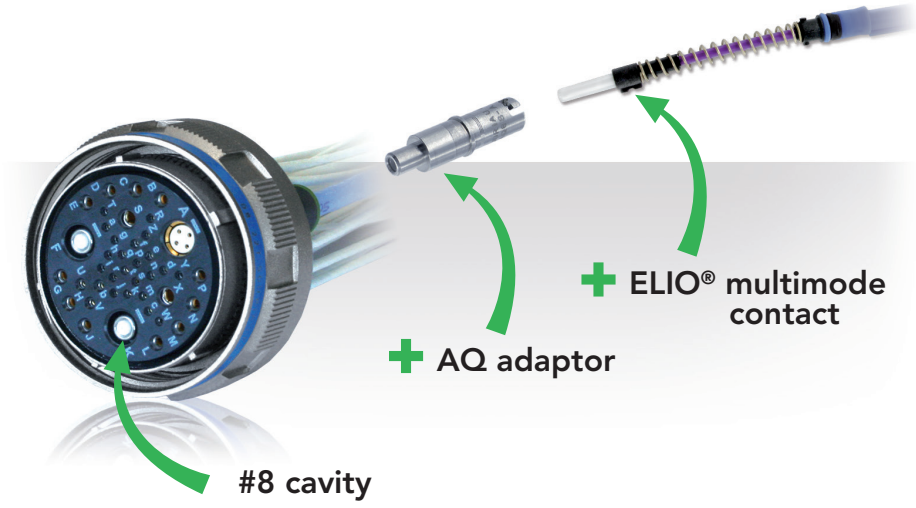
ELIO® AQ is an adaptor to enable the ELIO® contact to fit in any #8 Quadrax cavities in several types of connectors.

Hybrid ■ Mix optical and electrical signals in the same standard connector.

Reliable ■ High thermal stability from -65°C to +125°C. 500 mating cycles thanks to protection against migration of particles coming from copper contacts:



User friendly ■ No tool needed for contact installation. Easy to clean.





MIL-DTL-38999 Series III/EN3645 with ELIO® multimode contact and ELIO® AQ Adaptor for Quadrax #8 cavities

- ELIO® AQ is an adaptor to enable the ELIO® contact to fit in any #8 cavities
- Multiple possibilities to mix optical and electrical signals in the same insert
- Compatible with standard MIL-DTL-38999 Series III/EN3645 connectors (aluminum, composite, stainless steel, bronze)
- Design ensures ELIO® optical performance
- Environmental performance as per MIL-DTL-38999 and EN3645 standard
- Temperature range: - 65°C to +150°C (cable limitation)

Applications

- Fiber optic connector for all military and aeronautical applications wherever severe vibration or mechanical resistance are required.

ELIO® AQ Adaptor for Quadrax #8 cavities

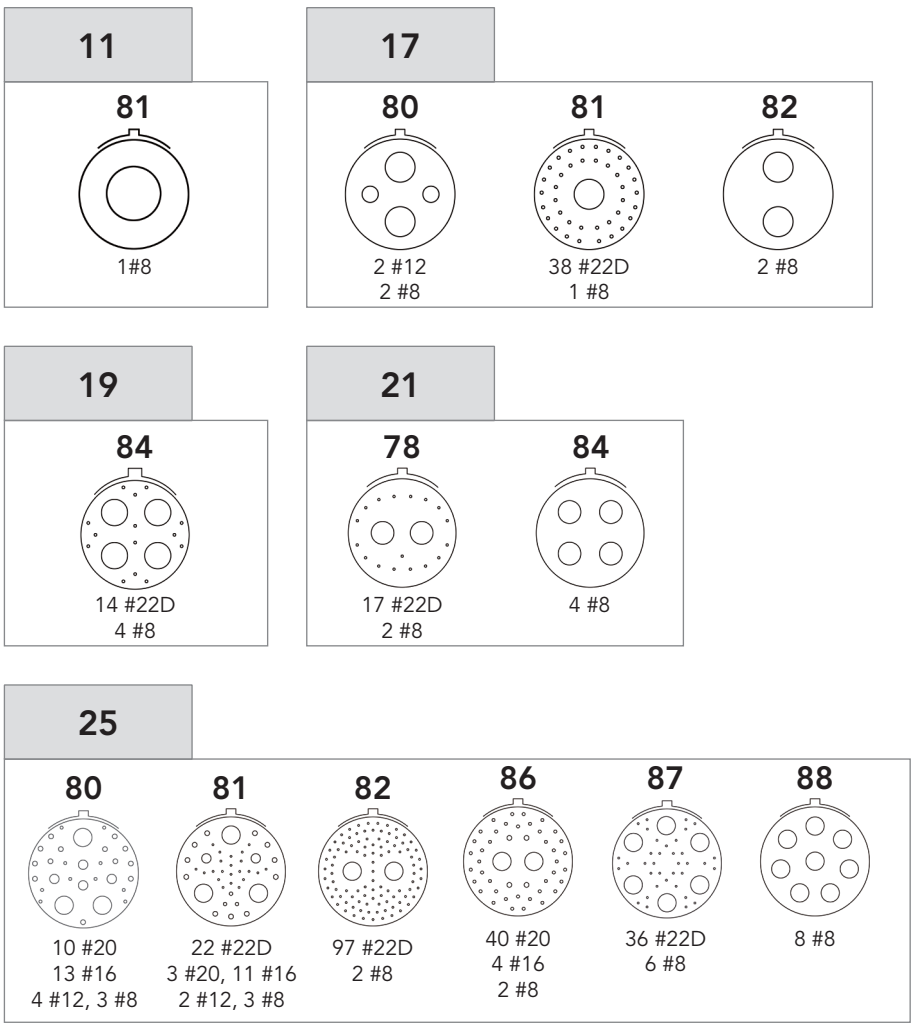
| Insert type | Part Number |
|---------------|--|
| Male Insert |  ELIOAQ6PB |
| female Insert |  ELIOAQ6SB |

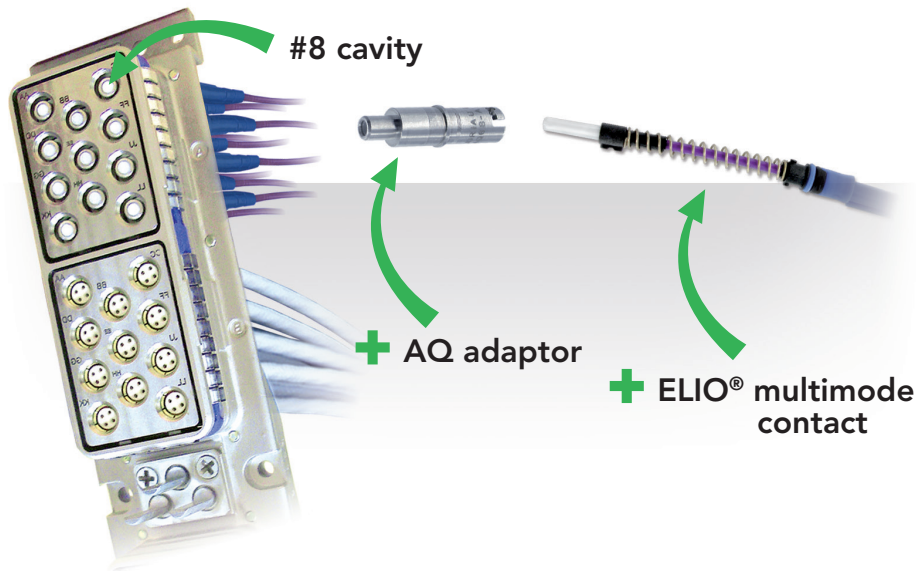
Delivered with alignment boot.

Ordering information & connector dimensions

See SOURIAU «8D Series - MIL-DTL-38999 Series III» & «ELIO® Fiber Optic Technology» catalogs.

Layouts





ARINC 600 Series with ELIO® multimode contact and ELIO® AQ Adaptor for Quadrax #8 cavities

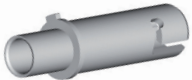
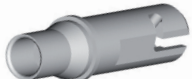

- Compatible with standard ARINC 600 Souriau connector
- Designed to ensure ELIO® contact optical performances
- Many possibilities to mix optical and electrical contact
- Temperature range: -65°C to +125°C (cable limitation)

Applications

- Fiber optic connector for all military and aeronautical applications wherever severe vibration or mechanical resistance are required.



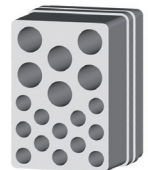
ELIO® AQ

Adaptor for Quadrax #8 cavities



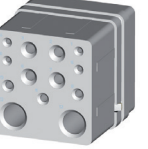

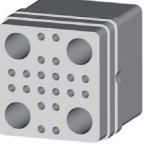
| Insert type | Part Number |
|---------------|---|
| Male Insert |  ELIOAQ0P (rear release - delivered with alignment boot) |
| |  ELIOAQ1P (front release) |
| Female Insert |  ELIOAQ0S (rear release) |

Layouts

ARINC 600 shell size 2 & 3

| Cavity A, B, D & E | | |
|--|---|--|
|  Q11* 11 #8 |  118Q2 118 #22 2 #8 |  C12Q6* 12 #12 6 #8 |

* Grounded metal insert

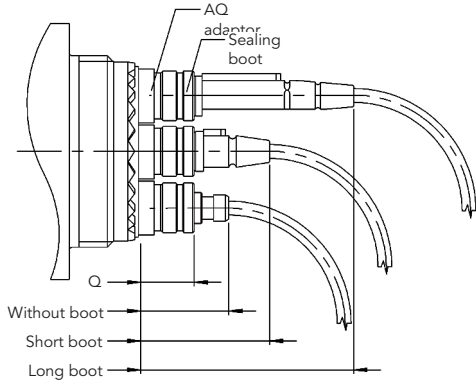
| Cavity C & F | | | | |
|--|---|---|--|---|
|  Q6* 6 #8 |  68Q2 68 #22 2 #8 |  11Q2 4 #20, 3 #16 4 #12, 2 #8 |  62Q2 60 #22 2 #16, 2 #8 |  20Q4 20 #20 4 #8 |

Ordering information & connector dimensions

See SOURIAU «ARINC 600 Series» & «ELIO® Fiber Optic Technology» catalogs.

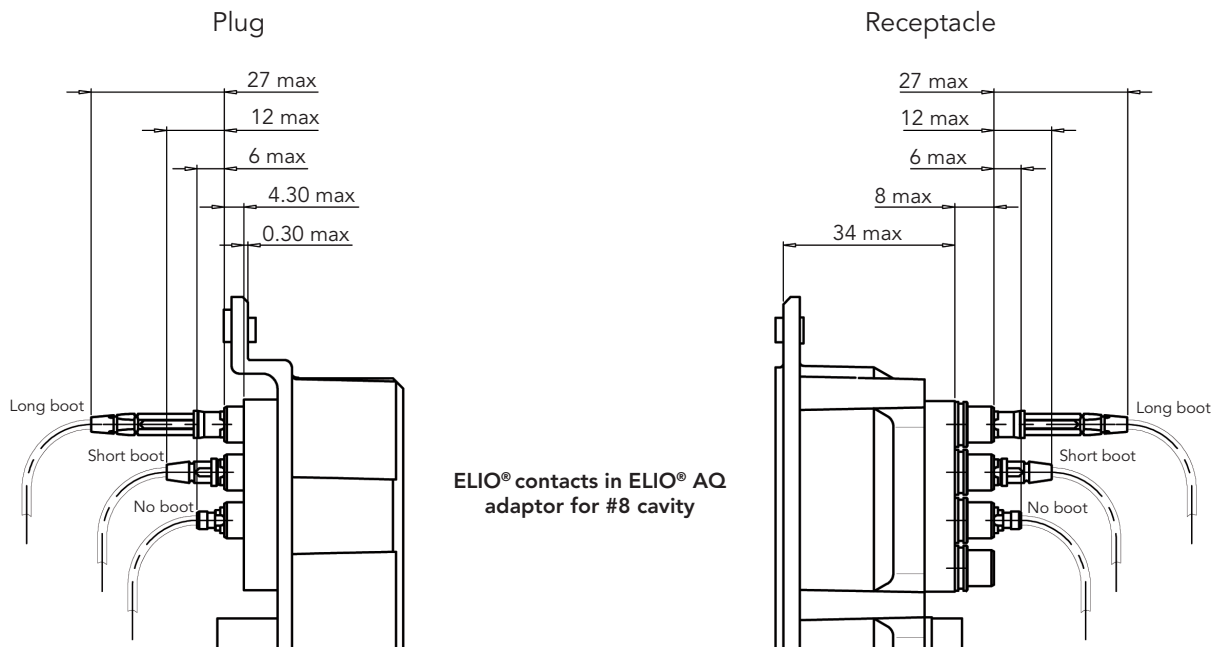
Dimensions

38999 Series III/EN3645 with ELIO® contacts in ELIO® AQ adaptors



| | Q | | Contact length | | | | | |
|---------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|
| | | | Long boot | | Short boot | | Without boot | |
| | Male insulator | Female insulator | Male insulator | Female insulator | Male insulator | Female insulator | Male insulator | Female insulator |
| Plug | 12 Max | 9.5 Max | 34.5 Max | 32 Max | 19.5 Max | 17 Max | 12.5 Max | 10 Max |
| Square flange receptacle | 12.5 Max | 10 Max | 35 Max | 32.5 Max | 20 Max | 17.5 Max | 13 Max | 10.5 Max |
| Jam nut receptacle | 12 Max | 9.5 Max | 34.5 Max | 32 Max | 19.5 Max | 17 Max | 12.5 Max | 10 Max |

ARINC 600 with ELIO® contacts in ELIO® AQ adaptors



Note: All dimensions are in millimeters (mm)

For further information contact us at technical.emear@souriau.com (Europe - Asia - Africa)
technical.americas@souriau.com (North America)
 or visit our web site www.souriau.com