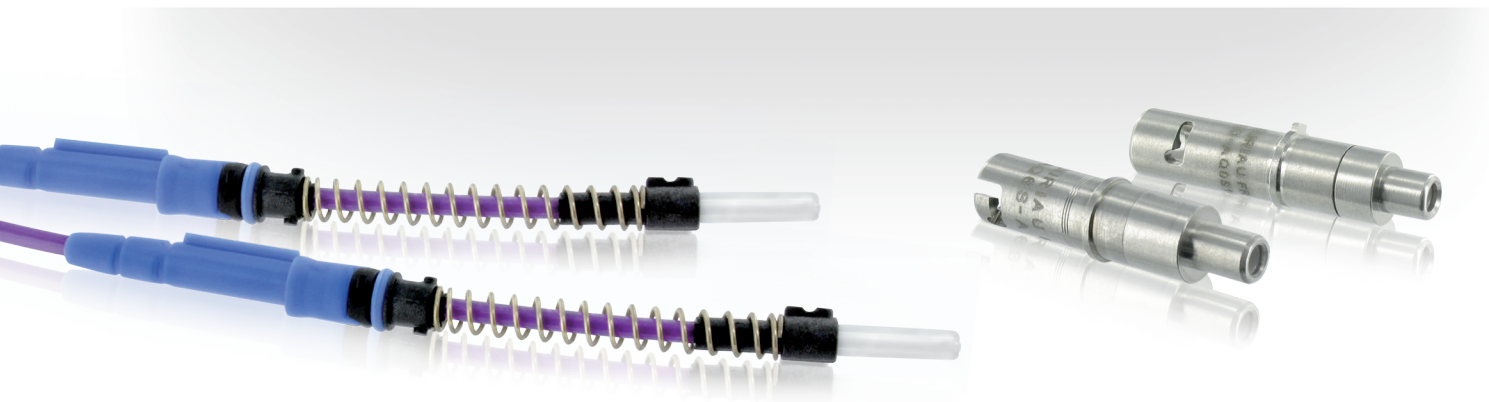


38999 Series III, Arinc 600 & 404 Series ELIO® AQ Adaptor

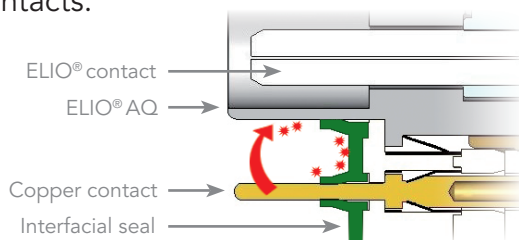


Turn Quadrax #8 Cavities Into Optic Ways

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.

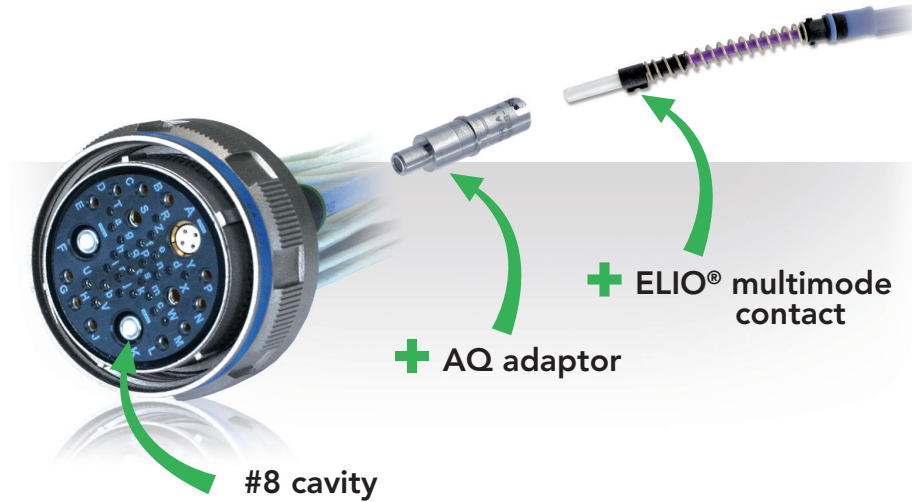
Reliable ■ High thermal stability from -65°C to +125°C. 500 mating cycles thanks to protection against migration of particles coming from copper contacts:



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

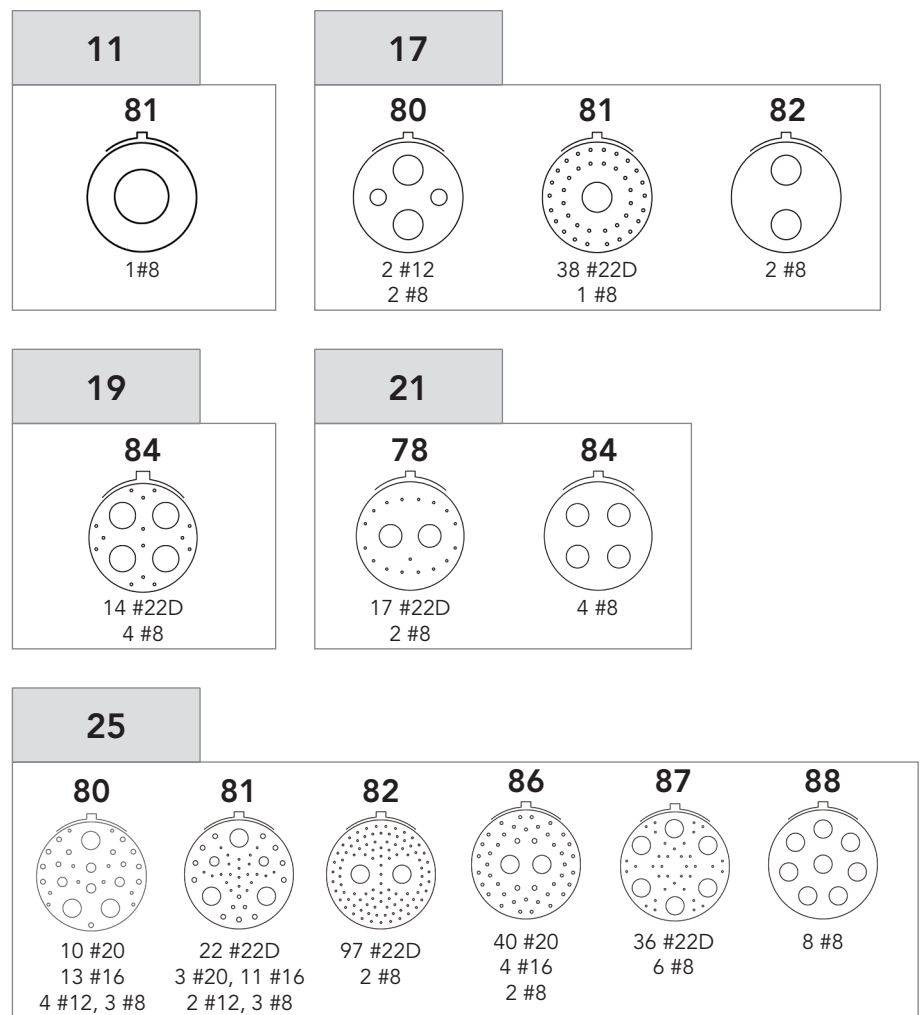
Insert type	Part Number
Male Insert	 ELIOAQ6PB
female Insert	 ELIOAQ6SB

Delivered with alignment boot.

Ordering information & connector dimensions

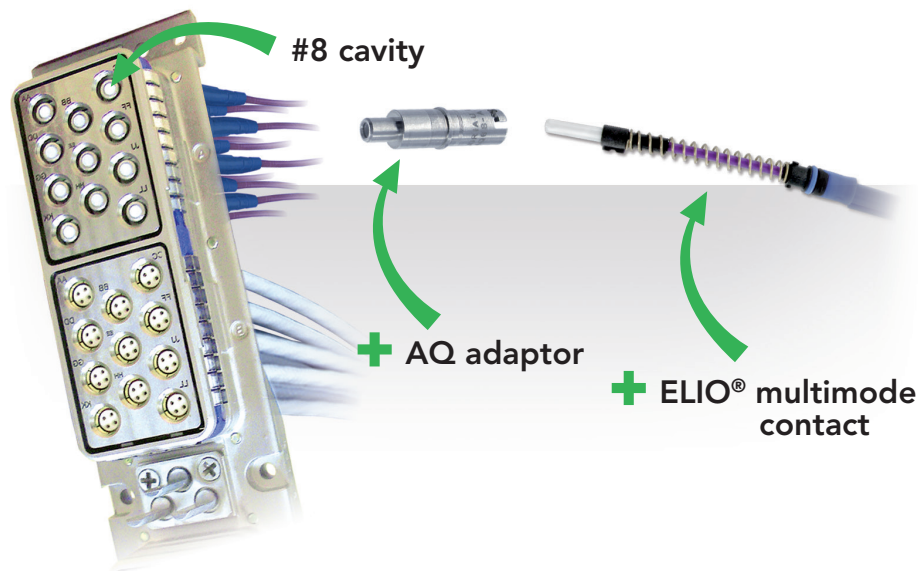
See SOURIAU «8D Series - MIL-DTL-38999 Series III» & «ELIO® Fiber Optic Technology» catalogs.

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)

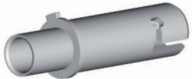


Applications

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

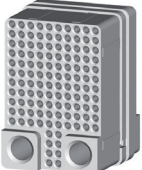
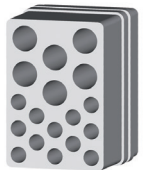
ELIO® AQ

Adaptor for Quadrax #8 cavities

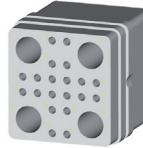
Insert type	Part Number
Male Insert	 ELIOAQ0P (rear release - delivered with alignment boot)
	 ELIOAQ1P (front release)
Female Insert	 ELIOAQ0S (rear release)

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

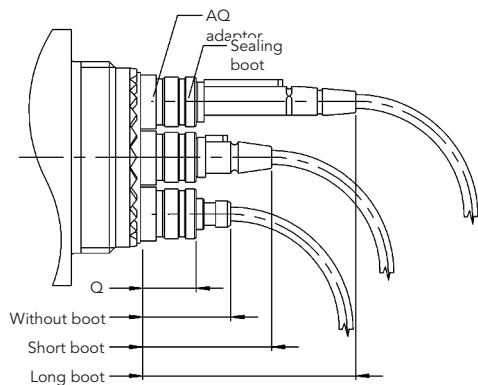
Cavity C & F				
Q6*  6 #8	68Q2  68 #22 2 #8	11Q2  4 #20, 3 #16 4 #12, 2 #8	62Q2  60 #22 2 #16, 2 #8	20Q4  20 #20 4 #8

Ordering information & connector dimensions

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

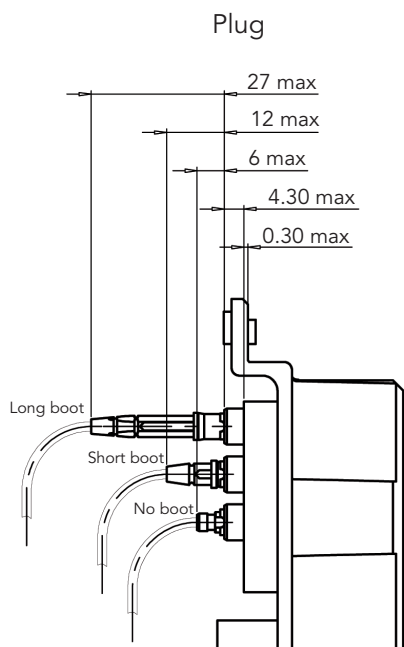
Dimensions

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

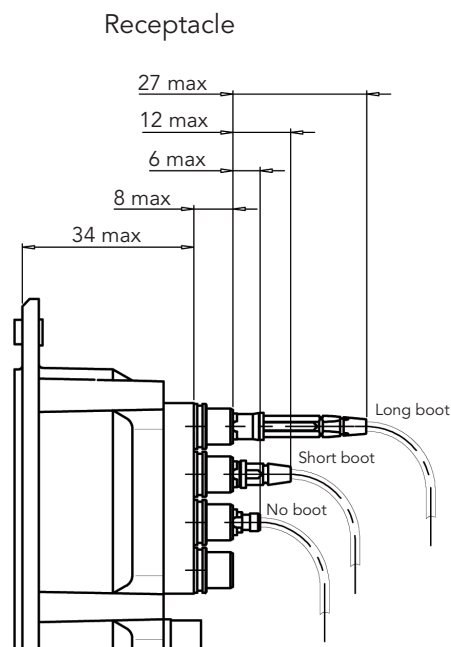


	Q		Contact length					
			Long boot		Short boot		Without boot	
	Male insulator	Female insulator	Male insulator	Female insulator	Male insulator	Female insulator	Male insulator	Female insulator
Plug	12 Max	9.5 Max	34.5 Max	32 Max	19.5 Max	17 Max	12.5 Max	10 Max
Square flange receptacle	12.5 Max	10 Max	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



ELIO® contacts in ELIO® AQ adaptor for #8 cavity



Note: All dimensions are in millimeters (mm)

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or visit our web site www.souriau.com

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