PROCON™
JUNIOR PLUG

FEATURES

- Insertion loss <1,5 dB
- Temperature range 57°C – +85°C
- Hermaphroditic interconnection
- Rugged connector design
- Keyed boot for blind mating
- No adaptors needed
- Easy clean, no special tools

COMPATIBLE WITH

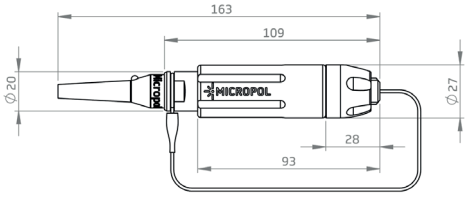
- FIBRECO Junior
- QPC Q - Mini
- TE PRO-BEAM - Junior
- Amphenol TacBeam
- Stratos HMA

The PROCON connectors offers a good attenuation. With an insertion loss of <1,5 dB it outperformes the NATO specification (<2,5 dB).

PROCON is built according to MIL-DTL-83526/20 military standard.

PROCON has the advantage of being produced inhouse in Åled, Sweden which also means a stable delivery performance and we are able to promise shorter leadtimes.

Like the other connectors in the Micropol PROCON expanded beam family, it is compatible with other junior sized expanded beam connectors on the market.



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MICROPOL

STANDARD CONFIGURATIONS

PROCON™ Junior	1 to 4 channels

OPTICAL

Type	Single mode (SM), multimode (MM) or hybrid
Transmission	10Gbit/s
Insertion loss (SM)	Typical Insertion Loss -1,0dB (1310 nm) Maximimum Insertion Loss -1,5dB (1310 nm)
Insertion loss (MM)	Typical Insertion Loss -1,0dB (1300 nm) Maximum Insertion Loss -1,5dB (1300 nm)
Return loss (PDL)	>35dB at 1310nm or 1550nm Polarization dependent loss less than 0,5dB

MECHANICAL

Coupling type	Hermaphroditic
Compliant	ROHS & REACH
Material	Hard anodized aluminum (MIL-A-8625 TYPE III CLASS 2)
Alternative material	Marine bronze, stainless steel or titanium
Colour	Grey
Durability	3000 mating cycles (MIL-DTL-83526)
Free fall	500 falls from 1,2 meters height (IEC 68-2-32-P II)
Vibration	5-500Hz, 0,75mm amplitude at 10G
Shaking	390 m/S numbers of shakes 3x4000
Shock pulse length	11ms, half sine at 35g Numbers of axis: 3 (x, y, z)
Recommended wall thickness	2-3 mm - not valid for cable plug JR and Mini

ENVIRONMENTAL

Operating temperature	-57°C to +85°C,
Water immersion	IP67
Air pressure	<25kPa -55°C during 4h
Corrosion resistance	500h salt spray
Flammability	DOD-STD-1678, method 5010

V2.2, 2025-10-14

MORE INFORMATION