Lightweight Composite Modular Connectors

Drop-in replacements for legacy modular rectangular connectors save weight, space, and assembly time

For reduced size and weight cable and panel applications
Lightweight composite shell with integral strain relief/banding porch
Modular inserts support a wide range of contact sizes and types up to #8
Polarization – both shell and inserts
Center jackscrew with self-locking hardware

For more information contact Glenair at 818-247-6000 or visit our website at www.glenair.com

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SERIES 20 Super-Twin™ Lightweight Composite Modular Connectors

How To Order - Shells

<table>
<thead>
<tr>
<th>Sample Part Number</th>
<th>How To Order - Shells</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-013</td>
<td>P 2 X-M 31 K</td>
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How To Order - Inserts

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<th>Sample Part Number</th>
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<tr>
<td>200-005</td>
<td>P 2 -60 A</td>
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</table>

Weight Study, Typical Regional Jet Airframe

Series 20 Super-Twin™

Mated Pair: 67g
Weight/Plane: 7.661g
Legacy rectangular: aluminum
Mated Pair: 192g
Weight/Plane: 22.103g
Legacy rectangular: composite
Mated Pair: 141g
Weight/Plane: 16.123g

Summary:
Using Series 20 Composite instead of legacy aluminum connector saves 14,442 grams (31.8 lbs) per plane.
Using Series 20 composite instead of legacy composite connector saves 8,482 grams (18.6 lbs) per plane.

Series 20 Super-Twin™ Performance

DNI* 1500 Vac; 750 Vac
Shell to Shell 2.5 mΩ
Temp Range 45°C / +125 °C
Shock 50 g, half sine, 18X
Vibration* Random, 8 hrs/axis, Type V, cos/o, G (27 X g)
Altitude Immersion* 1.1 kPa (13000 h / 49000 ft)
Lightning Indirect* 60 kA

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*Test by similarity, Series 79 Micro-Crimp

Keyed, snap-in place insert modules are currently available in six tooling layouts, accommodating size #23, #20, #16, #12 and keyed size #8 contacts (for use with Quadrax or El Ochito™ contacts).