Technical Data Sheet

Expanded Beam Contact
#12 for MIL-C-38999 Shells

Properties

Optical contact in expanded beam technology for use in circular shells according to MIL-DTL-38999. This contact provides a robust fiber optic interconnection with low susceptibility for contamination. It is designed as a rear release type for standard cavities #12. The contact is installed and removed with the standard tool for #12 contacts. It fits to a variety of cable types with diameters from 0.9 to 2.2 mm. Additional versions are available on request.

Interface

EBC#12 according to MIL-C-38999

Material for connectors

Ferrules: Ø2.36 mm Zirconia ceramic
Alignment sleeve: stainless steel
Connector Body: ARCAP

Optical data

IL: max. 1.5 dB

Mechanical data

Mating cycles: 500

Environmental data

Operation temperature range: -40°C~+85°C (depending on Cable type)

Suitable cables

O.D.: Ø0.9 - 2.2 mm

Part numbers

<table>
<thead>
<tr>
<th></th>
<th>Pin Contact</th>
<th>Socket Contact</th>
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</thead>
<tbody>
<tr>
<td>Buffer Ø 0.9 mm multimode</td>
<td>98 PLS 130-101</td>
<td>98 PLK 130-101</td>
</tr>
<tr>
<td>Cable Ø 2.2 mm multimode</td>
<td>98 PLS 130-103</td>
<td>98 PLK 130-103</td>
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<tr>
<td>Insertion tool</td>
<td>98 W 12-S12/100</td>
<td></td>
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<tr>
<td>Removal tool</td>
<td>98 W 12-S12/100</td>
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Packaging

Standard Packaging.

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