RAST 2.5 connectors, pitch 2.5/5.0 mm

RAST 2.5 connector for direct mating, insulation displacement technology (IDT), with locking on printed circuit board by means of enhanced locking toes, alternatively with or without keying rib and closed sides, for individual conductors, daisy chain possible contact pitch 2.5 mm
Environmental conditions

Temperature range
-40 °C/+130 °C.1
1 upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

Materials

Insulating body
PBT, V-0 according to UL94 – 3517-4 S03V...
PA, V-2 according to UL94 – 3517-4 M12S03V...1

Contact spring
CuSn, tin-plated (Sn/Ag) – 3517-4 (M...)S03V03
CuSn, pre-nickel and gold-plated – 3517-4 (M...)S03V102
CuSn, tin-plated, with lubricant – 3517-4 (M...)S03V214

1 M12 component glow wire resistant (GWT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

Mechanical data

Mating with printed circuit board 1.5 ± 0.14 mm
Insertion force/contact ≤ 4,0 N1
Withdrawal force/contact ≥ 0,5 N1
Retaining force/locking ≥ 13,4 N2
Keying proposals at www.lumberg.com

1 measured with a polished steel pin, nominal thickness 1.5 mm
2 measured with a polished steel gauge, nominal thickness 1.5 mm

Connectable conductors for IDT area

Construction discrete conductor, notched flat cable 2.5 mm
Section min. 0,14 mm²
Section max. 0,38 mm²
Insulation diameter ≤ 1,6 mm
Approved cables at www.lumberg.com

Electrical data (at Tamb 20 °C)

Contact resistance ≤ 5 mΩ
Rated current 4 A (Tamb 60 °C) 2 A (Tamb 100 °C)
Rated voltage 32 V AC
Material group Illa (IEC)/2 (UL) (CTI ≥ 250)
Creepage distance 0,6 mm
Clearance 0,6 mm
Insulation resistance > 1 GΩ
<table>
<thead>
<tr>
<th><em>a</em></th>
<th>terminated connector</th>
</tr>
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<tbody>
<tr>
<td><em>b</em></td>
<td>color marking:</td>
</tr>
<tr>
<td></td>
<td>3517-4 (M...)S01 blue</td>
</tr>
<tr>
<td></td>
<td>3517-4 (M...)S02 green</td>
</tr>
<tr>
<td></td>
<td>3517-4 (M...)S03 brown</td>
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<tr>
<td><em>c</em></td>
<td>K = keying (alternatively)</td>
</tr>
<tr>
<td></td>
<td>P1, P2 = positioning (alternatively)</td>
</tr>
<tr>
<td></td>
<td>V = lock</td>
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<td><em>d</em></td>
<td>examples for printed circuit board layouts</td>
</tr>
<tr>
<td><em>e</em></td>
<td>chaining of the component parts (state of delivery)</td>
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</tbody>
</table>

**Associated products**

**Harnessing equipment**
- HA3...e
- HA35e-CA
- HA35e-DC
- HA35e-RK
- HA35f
- HA35f-CA
- HA35f-CA-KC
- HA35f-CA-KC-KT
- HA35f-CA-KC-KT-HV
- HA35f-KC
- HA35f-KC-KT
- HA35f-RK
- HA35f-RK-CA
- HA35f-RK-CA-KC
- HA35f-RK-CA-KC-KT
- HA35f-RK-CA-KC-KT-HV
- HA35f-HV
- HA35f-KC
- HA35f-KC-KT
- HA35f-RK
- HA35f-RK-CA
- HA35f-RK-CA-KC
- HA35f-RK-CA-KC-KT
- HA35f-RK-CA-KC-KT-HV
- HZ-M35
- HZ2S-K
- KHP35
- VARICON 7000
- VARICON 7000-Eco
- VARICON 7000-Inline
- VARICON 7000-Inline-CR
- VARICON 7000-RD
- VARICON 7000-RD-CR

**Notes**
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<tr>
<th>Designation</th>
<th>Pole Number</th>
<th>PU (Pieces)</th>
<th>MDQ (Pieces)</th>
<th>Dimensions</th>
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<td>A (mm)</td>
<td>B (mm)</td>
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Designation to be completed by further details (e.g. for keying, color or material options).

Packaging:
chained, in a cardboard box