SR-2 Socket for TGS8-series Gas Sensors

1. Electrical performances

1-1. Contact resistance : Less than 10Mohm at a small current of 1kHz
1-2. Insulation resistance : Over 1000Mohm at DC500V
1-3. Voltage proof : AC700V for a minute

(Test conditions : at Temperature 5 to 35deg.C and humidity 40 to 85%R.H.)

2. Mechanical performances

2-1. Insertion force : Less than 44.1N
2-2. Withdrawal force : 9.8N to 39.2N
2-3. Contact gauge retention : Over 0.83N

3. Other performance

3-1. Durability : 150 times push in and pull out actions without load
3-2. Moisture resistance : Continuously 96 hours at temperature of 40±2deg.C and humidity of 90 to 95%R.H.
3-3. Dry heat : Continuously 24 hours at temperature 80±2deg.C
3-4. Cold : Continuously 24 hours at temperature -20±2deg.C
3-5. Corrosion, salt mist : Continuously 48 hours on spraying salt water of concentration 5% and temperature 35deg.C

4. Operating temperature range : -10 up to 70deg.C

*Compliant with RoHS

1st February, 2011
Figaro Engineering Inc.
Dimensions

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PARTS NAME</th>
<th>MATERIAL</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>Body</td>
<td>PET UL94V-0 Black</td>
<td>1.</td>
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<tr>
<td>②</td>
<td>Contact</td>
<td>PBR t0.25 Sn Plated</td>
<td>6</td>
</tr>
</tbody>
</table>

There is no pin in the No. 4 hole.

Unit: mm
Tolerance: ±0.3

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