## General Specifications

**415940, 415941 and 415942**  
Shunt Resistor for Screw Input Terminal

**GS 04L69A01-91EN**

### Overview

415940, 415941 and 415942 are precision shunt resistors, to convert DC current signal to DC voltage.

### Model and Suffix Codes

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>415940</td>
<td>250 ohm resistance (for 3 mm screws)</td>
</tr>
<tr>
<td>415941</td>
<td>100 ohm resistance (for 3 mm screws)</td>
</tr>
<tr>
<td>415942</td>
<td>10 ohm resistance (for 3 mm screws)</td>
</tr>
</tbody>
</table>

### Items to Specify when Ordering

Clearly state the model.

### Characteristics

- **Resistance Tolerance**: ±0.1 %
- **TCR (ppm/°C)**: ±25 ppm/°C
- **Rated Power**: 0.3 W
- **Allowable maximum current**:
  - Model 415940: 35mA
  - Model 415941: 55mA
  - Model 415942: 173mA
- **Recommended input current**:
  - Model 415940: 4-20mA
  - Model 415941: 10-50 mA
  - Model 415942: 4-20mA/10-50mA
- **Rated Ambient Temperature**: 70 ºC
- **Operational Temperature Range**: -25 to +80 ºC
- **Storage Temperature Range**: -40 to +85 ºC

### External Dimensions

![External Dimensions Diagram]

Unit: mm

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