

## IPEshunt 1

### Operating and quiescent current measurement via automotive fuse carrier

- Mounting at automotive fuse carrier
- Quiescent current up to 5 mA
- Operating current up to 30 A
- Standard output voltage 0 ... 1 V, 0 ... 0.1 V
- Overload protected up to factor 1.5 of rated current
- Direct connection to SENS modules



<b>Device</b>	
Voltage supply	6 ... 15 VDC
Current consumption	< 4 mA
Working temperature range	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature range	-55 ... 125 °C (-67 ... 257 °F)
Relative humidity	5 ... 95 %
Dimensions	W20 mm x H24 mm x D6.5 mm (0.78 in x 0.94 in x 0.26 in)
Weight	3 g (0.11 oz)
<b>IPEshunt</b>	
Measurement range	±5 mA/ 1/ 5/ 10/ 30 A (depending on type)
Quiescent current ±5 mA	±0 ... 0.1 V 20 mV/mA
Operating current ±1 A	±0 ... 1.0 V   1 V/A
Operating current ±5 A	±0 ... 1.0 V   0.2 V/A
Operating current ±10 A	±0 ... 1.0 V   0.1 V/A
Operating current ±30 A	±0 ... 1.0 V   0.033 V/A
Fuse capability	SMD safety fuse (up to type 10 A)
Offset deviation at ambient temperature 25 °C	±0.04 mV
Temperature effect on offset	±1.2 V/K
Accuracy at ambient temperature 25 °C	±1 % of reading
Temperature effect on accuracy	±250 ppm/K
Overload	Max. 1.5 x I nominal (pulse duration max. 1s)
Overload	Ensure ventilation, avoid thermal overheating
3 dB cut-off frequency	70 Hz (Version 10 A)
3 dB cut-off frequency	80 Hz (Version 30 A)
<b>Accessories</b>	
Input cable	600-102.pdf
Input cable	600-105.pdf