

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



IPEshunt	
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 µV/K
Temperature effect on accuracy	±250 ppm/K
Overload	Ensure ventilation, avoid thermal overheating Max. 1.5 x I nominal (pulse duration max. 1s)
3 dB cut-off frequency	80 Hz (Version 30 A) 70 Hz (Version 10 A)
Channel current	
Genauigkeit bei Umgebungstemperatur 25 °C	±1 % of reading
Device	
Inputs	1
Voltage supply	6 ... 15 VDC
Power consumption, typical	< 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)
Accessories	
Input cable	600-102 600-105 620-705