

HVshunt 1

High precision shunt for high-voltage and current measurement

- For electrical and hybrid vehicle applications
- High-voltage input up to 850 VDC
- Current measurement up to 100 A DC via shunt
- Customer-specific plugs for connection to high-voltage network
- Operation with Iso Voltage Divider & Iso Clamp Connector
- Direct connection to SENS modules



Input HV	
Measurement range	±850 VDC
Current measurement ranges via shunt resistor	70 A (0.001 Ohm) 50 A (0.002 Ohm) 20 A (0.005 Ohm) 100 A (0.0005 Ohm)
Accuracy	0.1 %
Channel LED	No
General channel properties	
Channel LED	No
Galvanic isolation	
Test voltage	3536 VAC @ 50 Hz (sine wave)
Application according to CAT I	±1000 VDC
Application according to CAT II	600 VAC @ 50 ... 60 Hz (sine wave)
Device	
Inputs	1
Power consumption, typical	0 W (passive)
Working temperature range	-20 ... 70 °C (-4 ... 158 °F)
Storage temperature range	-30 ... 70 °C (-22 ... 158 °F)
IP-Code	IP 54 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	W153 mm x H82 mm x D46 mm (6.02 in x 3.23 in x 1.81 in)
Weight	1300 g (2.86 lb)
Housing material	Diecast aluminium enclosure with powder coating
Input sockets	Customer-specific design
Accessories	
Module	Iso Voltage Divider Iso Clamp Connector