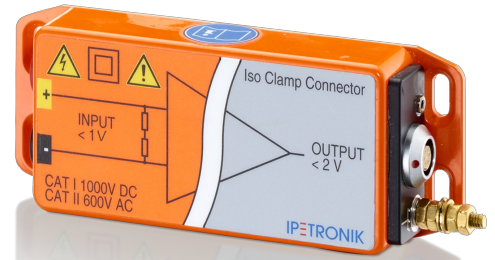


## Iso Clamp Connector 200 kHz

### DC high-voltage current clamp front-end device

- Bandwidth up to 200 kHz
- Current measurement in high-voltage networks up to 1 kV
- Reliable current measurement with battery powered current clamp adapters
- For hybrid vehicle, electric vehicle and aircraft applications
- Direct connection to all IPETRONIK SENS modules
- Approved applications according to CAT I and CAT II



Input HV	
Input sockets	4 mm safety banana plugs
Measurement range	±1 V (other ranges on request)
Permanent voltage	Max. 50 V
Pulse voltage	500 V (pulse width 500 ms, period 60 s)
Genauigkeit bei Umgebungstemperatur 25 °C (77 °F)	±0.20 %
Accuracy at ambient temperature -20 ... 70 °C (-4 ... 158 °F)	±0.50 %
Channel impedance	10 MΩ    10 pF
Cut-off frequency	200 kHz (max. input cable length of 1 m)
Hardware filter	Bessel (6-pole)
* Safety instructions	Do not use Iso Clamp Connector for applic. on AC voltages of 3-phase current drives in e & hybrid vehicles! Current clamp has to meet at least the same category (CAT) as Iso Clamp Connector! Users working on HV applic. must be trained & approved.
Galvanic isolation	
Test voltage	3536 VAC @ 50 Hz (sinusoidal)
Application according to CAT I	±1000 VDC
Application according to CAT II	±600 VDC 600 VAC @ 50 ... 60 Hz (sinusoidal)
Device	

Inputs	1
Voltage supply	15 VDC
Power consumption, typical	0.6 W
Working temperature range	-20 ... 70 °C (-4 ... 158 °F)
Storage temperature range	-30 ... 70 °C (-22 ... 158 °F)
IP-Code	IP 67 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	W126 mm x H50 mm x D25 mm (4.96 in x 1.97 in x 0.98 in)
Weight	Approx. 120 g (0.26 lb)
Output sockets	ODU Series F, Size 1 (6-Pin)
Output signal	±2 V
Degree of pollution	2
Max. Altitude	2000 m
<b>Accessories</b>	
System cable	620-629 620-640
Input cable	620-125 IsoClamp-Connector Kabel offen
Current clamp	I-CONVERT-PAC16 I-CONVERT-PAC26