

AM-CL-300DC



Electrical Characteristics

Current Range.....	: 300A DC or AC pk
Continuous Current measurement.....	: 150A DC or AC rms
Peak current mark space ratio.....	: TBD
Overload capability.....	: 500A DC (for 1 min)
Output Sensitivity	: 20mV/A (w.r.t. 0V)
Accuracy (+25 °C).....	: ± 1% of reading ± 2mA
Resolution	: ± 1mA
Error due to Earth's Magnetic Field.....	: ± 0.5mV (±10mA) Typical
Conductor Position Sensitivity (6mm. dia. conductor) ...	: ± 0.5% relative to centre reading
Zero Offset (+25 °C).....	: ± 10mV max.
Zero Drift (0 °C to +50 °C).....	: ± 1mV / °C
Load Impedance	: > 10kΩ and ≤ 100pF
Frequency Range.....	: DC to 100kHz (- 1dB)
Temperature Coefficient.....	: ± 0.02% of reading / °C
Jaws Open Status	: 0V (Lo)
Jaws Closed Status.....	: + 15V (Hi)
Power Supply	: ± 15V ± 10%, external
External Field Rejection Ratio.....	: 500 : 1
Current Consumption	: 30mA + 1mA/A measured
Working Voltage (see Safety Standards section).....	: 300V AC _{RMS} or DC

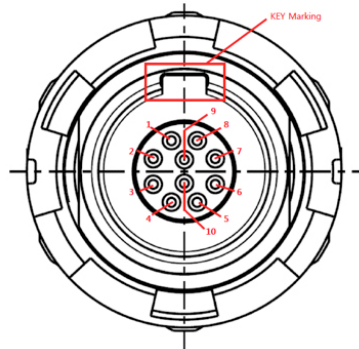
General Characteristics

Maximum Conductor Size	: 32mm diameter
Relative zero correction.....	: Auto zero at switch on
Jaws Open Indication	: Red LED on front and back side of case
Output Connection	: 2.9m screen cable
Operating Temperature Range.....	: 0 to +60°C
Storage Temperature Range.....	: -20 to +85°C
Operating Humidity	: 15% to 85% (non condensing)

Connection Details

Pin	Function
9	+ Supply
6	0 V
10	- Supply
1	+ Output
2	- Output (0V)
	Jaw Switch
3	Not Connected
5	TEDS

LEMO Redel 1P Series 10 pin



pin	channel
1	IN+
2	IN-
3	FGND
4	NC
5	TEDS
6	GND
7	+3,3V
8	+12V
9	+15V
10	-15V

Safety Standards

BSEN61010-1: 2001
 BSEN61010-2-032: 2002
 BSEN61010-031: 2002
 300 V_{RMS}, Category III, Pollution Degree 2

EMC Standard

BSEN 61326-2-2:2006

Use of the probe on **uninsulated conductors** is limited to 300V AC_{RMS} or DC and frequencies below 1kHz.

