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Landis
Gyr+
manage energy better



CRN100_5235b

OFGEM & MID Approved
100amp Single Phase kWh Meter
With Optional Pulse output

5235 Technical Specifications

Voltage

Nominal Voltage U_n	220-240V, 120V
Voltage Range	80-115% U_n
Voltage Withstand	415V Continuous

Frequency

Nominal Frequency	50/60Hz
Frequency Variation	+/- 2%

Current

Base Current	
Direct Connection I_b	10A
Current Max	
I_{max}	100A
Starting Current	
IEC	0.004 I_b

Pulse (optional)

Volt free 1000pulse per kWh

Measurement Accuracy

Max Measuring Range	20mA up to 100A
Measuring Accuracy	IEC 62053-21 Class 1 or 2 IEC 62053-23 Class 2 or 3

Measurement Behaviour

Starting Current	
IEC	0.4% of I_b
Max Measuring Range	20mA up to 100A

Weight and Dimensions

Weight	
Standard	304g
With extended terminal cover	338g
Dimensions	
Width	125mm
Height	80mm
Depth	36mm
Dimensions (with Extended Terminal Cover)	
Width	125mm
Height	113mm
Depth	41mm
Terminal Details	
Arrangement	BS5685
Size	8.3mm diameter

Connections

Standard Layout and Dimensions

Approvals

Quality	Manufactured to ISO 9001:1994
OFGEM Approval Number	986
Certified Life	20 years
Reference Standards	IEC 62052-11, IEC 62053-21, IEC 62053-23

Terminal Connection Diagrams

