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CR2 Out 2

Resistance transducer

CR2 Out 2, Transducer Ohm

Code: M25642. (CONSULTAR DISPONIBILIDAD)

> Output type: 2

> Analog output: 4...20mA > Measure: 1...200 k Ω

Description

CR2 transducers, measure a circuit resistance. The analog output signal is directly proportional to the measurement resistance.

The input circuit is protected against 250V RMS accidental voltage.







CR2 Out 2

Resistance transducer

Code: M25642.

Specifications

Test voltage (kV)	Pulse test (kV)	3 kV (1,2/50μs)
AC power supply 2,5 VA Frequency 4090 Hz Nominal voltage 24/115/230/400 Vca (-15+20%) DC power supply, insulation 24/115/230/400 Vca (-15+20%) DC power supply, insulation 3 kV (1.2/50µs) Test voltage (kV) 3 kV (1.2/50µs) DC power supply		
Consumption 2,5 VA Frequency 4090 Hz Nominal voltage 24/115/230/400 Vca (-15+20%) DC power supply, insulation Pulse test (kV) 3 kV (1,2/50µs) Test voltage (kV) 2 kV RMS 50Hz 1 min DC power supply Consumption 2,5 VA Nominal voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Ectrical safety, Maximum height (m) 2000 Standards Ectrical safety, Maximum height (m) 2000 Standards Ectrical safety, Maximum height (m) 2000 Standards Ectrical safety (maximum height (maximum		
Frequency 4090 Hz Nominal voltage 24/115/230/400 Vca (-15+20%) DC power supply, insulation Pulse test (kV) 3 kV (1.2/50µs) Test voltage (kV) 2 kV RMS 50Hz 1 min DC power supply Consumption 2,5 VA Nominal voltage 918 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement Electrical safety, Maximum height (m) 2000 Standards EC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) < 0.5 % Load impedance in voltage > 500 Ω Consumption 2000 Consumption		2.5.1/A
Nominal voltage 24/115/230/400 Vca (~15+20%) DC power supply, insulation Pulse test (kV) 3 kV (12/50µs) Test voltage (kV) 2 kV RMS 50Hz 1 min DC power supply Consumption 2,5 VA Nominal voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement cricuit Electrical safety, Maximum height (m) 2000 Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 \(\Omega \) Ripple (effective RMS value) < 0,5 % Load impedance in voltage		
DC power supply, insulation Pulse test (kV) 3 kV (1,2/50μs) Test voltage (kV) 2 kV RMS 50Hz 1 min DC power supply Consumption 2,5 VA Nominal voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit 20 200 Ω / 2 20 kΩ Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs < 500 Ω		
Pulse test (kV) 3 kV (1,2/50 μs) Test voltage (kV) 2 kV RMS 50Hz 1 min DC power supply Consumption 2,5 VA Nominal voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement Standards Electrical safety, Maximum height (m) 2000 Standards Electrical safety, Maximum height (m) 2000 Analogue inputs Load impedance in current <500 Ω Ripple (effective RMS value) <0,5 % Load impedance in voltage > 500 Ω	Nominal Voltage	247 1137 2307 400 VCd (13+2070)
DC power supply 2 kV RMS 50Hz 1 min 2	DC power supply, insulation	
Consumption 2,5 VA Nominal voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement Electrical safety, Maximum height (m) 2000 Standards Electrical safety, Maximum height (m) 2000 Standards Load impedance in current <500 \(\Omega\$ Ripple (effective RMS value) <0,5 % Load impedance in voltage >500 \(\Omega\$	Pulse test (kV)	3 kV (1,2/50μs)
Consumption 2,5 VA Nominal voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) 2000 Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current Ripple (effective RMS value) < 0,5 % Load impedance in voltage > 500 Ω	Test voltage (kV)	2 kV RMS 50Hz 1 min
Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) 2000 Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current Ripple (effective RMS value) < 0,5 % Load impedance in voltage > 5000 Ω	DC power supply	
Mechanical characteristics Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement Electrical safety, Maximum height (m) 2000 Standards Electrical safety, Maximum height (m) 2000 Standards Analogue inputs Load impedance in current Ripple (effective RMS value) < 0,5 % Load impedance in voltage 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc 40 x 72 x 110 (mm) 40 x 72 x 110 (mm) 20,31 Electrical safety (case) 40 x 72 x 110 (mm) 40 x 72 x 120 (x 12 x 1	Consumption	2,5 VA
Size (mm) width x height x depth 40 x 72 x 110 (mm) Weight (kg) 0,31 Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) 2000 Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) < 0,5 % Load impedance in voltage > 500 Ω	Nominal voltage	9-18 / 18-36 Vdc 36-72 / 90-140 Vdc
Environmental characteristics Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) Standards Electrical safety, Maximum height (m) Standards Load impedance in current Analogue inputs Load impedance in current Ripple (effective RMS value) Code impedance in voltage > 500 Ω Load impedance in voltage > 500 Ω Load impedance in voltage > 500 Ω	Mechanical characteristics	
Environmental characteristics Protection class Protection class Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) Standards Electrical safety, Maximum height (m) Analogue inputs Load impedance in current × 500 Ω Ripple (effective RMS value) Load impedance in voltage > 500 Ω	Size (mm) width x height x depth	40 x 72 x 110 (mm)
Protection class IP 20 (Terminals) IP 40 (case) Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) Standards Electrical safety, Maximum height (m) Standards Load impedance in current < 500 Ω Ripple (effective RMS value) Load impedance in voltage > 500 Ω		0,31
Storage temperature -40+70 °C Working temperature -10+60 °C Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) 2000 Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) < 0,5 % Load impedance in voltage > 500 Ω	Environmental characteristics	
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Current measurement circuit Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) Standards Electrical safety, Maximum hei	Storage temperature	-40+70 °C
Phase current measurement 20 200 Ω / 2 20 kΩ Standards Electrical safety, Maximum height (m) Standards Electrical safety, Maximum height (m) Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) Load impedance in voltage > 500 Ω	Working temperature	-10+60 °C
Standards Electrical safety, Maximum height (m) 2000 Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) < 0,5 % Load impedance in voltage > 500 Ω	Current measurement circuit	
Electrical safety, Maximum height (m) Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) Load impedance in voltage > 500 Ω	Phase current measurement	20 200 Ω / 2 20 kΩ
Standards IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 Analogue inputs Load impedance in current < 500 Ω Ripple (effective RMS value) < 0,5 % Load impedance in voltage > 500 Ω	Standards	
Analogue inputs Load impedance in current $< 500 \Omega$ Ripple (effective RMS value) $< 0,5 \%$ Load impedance in voltage $> 500 \Omega$	Electrical safety, Maximum height (m)	2000
Load impedance in current $< 500 \Omega$ Ripple (effective RMS value) $< 0.5 \%$ Load impedance in voltage $> 500 \Omega$	Standards	IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010
Ripple (effective RMS value) $< 0.5 \%$ Load impedance in voltage $> 500 \Omega$	Analogue inputs	
Load impedance in voltage $> 500 \ \Omega$	Load impedance in current	< 500 Ω
·	Ripple (effective RMS value)	< 0,5 %
Response time < 300 ms (099 % Vn)	Load impedance in voltage	> 500 Ω
	Response time	< 300 ms (099 % Vn)







CR2 Out 2

Resistance transducer

Code: M25642.

Analogue outputs

Current mode, nominal range	010, 20 mAac
Displaced output	0,22 V / 210 V / 420 mA
Voltage mode: nominal output range	05, 10 Vac
Measurement accuracy	
Phase current measurement	0.2 % FS







CR2 Out 2

Resistance transducer

Code: M25642.

Dimensions



