

CROMPTON INSTRUMENTS INTEGRA 1222 DIGITAL METERING SYSTEM

The Crompton Instruments INTEGRA 1222 digital metering system (dms) from TE Connectivity enables cost effective solution for the measurement and display of all electrical parameters including total harmonic distortion (THD) and individual, up to the 63rd harmonic.

Display

High definition screen features programmable backlight for high contrast visibility in low light and direct sunlight applications. The light can be programmed to automatically dim after set period of time for energy saving.

New "petal" array icons shows the percentage of full scale power of the measured system and the instantaneous PF measurement gives clear PF indication. Total power consumption is displayed on the screen at all times.

Q2C Wiring Solution

INTEGRA 1222 dms and the 3-in-1 current transformers feature Q2C wiring solution for simple yet fast installation utilising plug and socket connections and pre-cut wiring looms, which allow to reduce assembly time and connection errors. IN-OUT voltage connections reduce wiring and installation time.

Communication

Modbus RS485 RTU and two pulsed outputs are fitted as standard.

Enclosure and System

The DIN 96 panel mounted enclosure includes integral panel mounting clips for quick and easy fitting and to suit user requirements, the range includes single-phase, three-phase three-wire and three-phase four-wire capability, all selectable at the point of installation.

Features

- DIN 96 enclosure
- Programmable backlit LCD screen
- Voltage IN-OUT connections
- CT current measurement 5A/1A
- Plug and socket connections
- Programmable VT, CT ratios
 Modbus™ RTU
- 2 pulsed outputs with led indication
- PF bar indicator
- 3P4W, 3P3W, 1P2W system types
- Individual harmonics to 63rd

Benefits

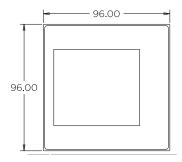
- · Cost effective
- · Easy installation
- Q2C wiring solution

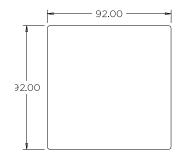
Approvals

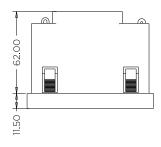
- IEC BS EN 61010-1:2010
- BS EN 61326-1:2013
- IEC 62053-21 Class 1
- IEC 62053-24 Class 1



Dimensions



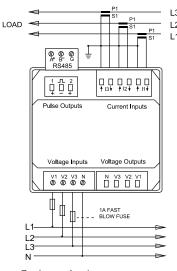


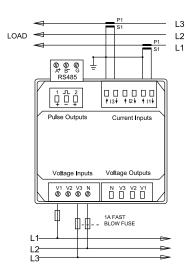


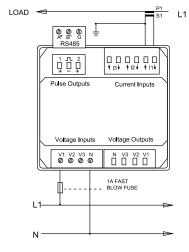
Displayed Parameters

- Voltage per phase L-N, L-L
- Current per phase and Max Demand
- Power Factor per phase and system
- Total Harmonic Distortion –
 Voltage and Current per phase
- · Neutral current
- Frequency system
- Phase Sequence
- Active Power (P) per phase, total and Max Demand
- Reactive Power (Q) per phase, total and Max Demand
- Apparent Power (S) per phase, total and Max Demand
- Energy Active and Reactive Importing and Total
- Energy Active and Reactive Exporting and Total

Wiring Diagrams







3-phase 4-wire 3-phase 3-wire

1-phase 2-wire

Product Codes

Description	Part number
INTEGRA 1222 multifunction panel meter	
LCD Input 480V L-L, 5A / 1A AC	INIT 1222 C 01
2 pulsed outputs, Modbus RS485.	INT-1222-S-01
Q2C plug and socket connectivity	



Specifications

Input	
	57.7 - 276V AC L-N (100-480V L-L)
Nominal input voltage	576V L-L MAX
Max. continuous input overload voltage	120% of nominal
Max. short duration input voltage	2 x nominal voltage for 1 second
Nominal input voltage burden	< 0.2VA per phase
Nominal input current	1A AC or 5A AC
Nom. Input current burden	< 0.1 VA
Max. continuous input overload current	120% of nominal
Max. short duration input current (300 msec)	20 x nominal current for 1 second
Auxiliary	
Operating range	Self powered (from any of the three phases)
Supply burden	< 10 VA
Accuracy	
Voltage (V)	+/- 0.5% of range maximum
Current (A)	+/- 0.5% of range maximum
Frequency (Hz)	+/- 0.2% of mid-frequency
Power factor (PF)	+/- 1% of unity (0.01)
Active power (W)	+/- 1.0% of range maximum
Reactive power (VAr)	+/- 1.0% of range maximum
Apparent power (VA)	+/- 1.0% of range maximum
Active energy (kWh)	Class 1 IEC 62053-21 or Class 0.5 IEC 62053-22
Reactive energy (kVArh)	Class 2 IEC 62053-23
THD	2% to 63rd harmonic
	2% to cord narmonic
Measured Range	
Voltage (V)	5 - 120% of nominal (Min 100V - self powered
Current (A)	5 – 120% of nominal
Frequency (Hz)	44 - 66 Hz
Power (W, VAr, VA)	5 - 144% of nominal (bi-directional)
Energy	8 digit, upto 9999999.9 MWh
Power factor	4 quadrant
THD	0 - 40% upto 63rd harmonic
Environment	
Operating temperature	-25°C to +55°C
Storage temperature	-40°C to +70°C
Relative humidity	0 to 95%, non-condensing
Shock	30g in 3 planes
	10Hz to 50Hz, IEC 60068-2-6, 2g
Vibration	10112 to 50112, 120 50500 2 6, 29
Vibration Dielectric Voltage	4kV between voltage and current to earth
Dielectric Voltage	4kV between voltage and current to earth
Dielectric Voltage Altitude Warm-up	4kV between voltage and current to earth 3000m
Dielectric Voltage Altitude Warm-up Outputs	4kV between voltage and current to earth 3000m
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable)	4kV between voltage and current to earth 3000m 1 minute
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable)	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485)
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485)
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.01/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out Panel thickness	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm 1-5 mm
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out Panel thickness Protection rating	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm 1-5 mm Front IP54, Rear IP30
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out Panel thickness Protection rating Material	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm 1-5 mm Front IP54, Rear IP30 UL 94-VO
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out Panel thickness Protection rating Material Weight	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm 1-5 mm Front IP54, Rear IP30 UL 94-VO 340 g
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out Panel thickness Protection rating Material Weight Cable size	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/0.1/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm 1-5 mm Front IP54, Rear IP30 UL 94-VO 340 g 0.05mm² - 2.5mm² stranded wire
Dielectric Voltage Altitude Warm-up Outputs Pulsed output relay (configurable) Contact Rating current Contact Rating voltage Pulse Width Pulse rate Pulsed output relay (non-configurable) Communications Type Baud rate Address Enclosure Enclosure Style Dimensions Panel cut-out Panel thickness Protection rating Material Weight	4kV between voltage and current to earth 3000m 1 minute Opto-coupled, potential-free SPST-NO contact 2-27mA at 27V DC 5-27V DC 60 / 100 / 200 ms 0.001/0.01/1/ 0/100/1000 kWh/kVArh 3200IMP/kWh Modbus RTU (RS485) 2-wire half duplex 2400, 4800, 9600, 19200, 38400 1 to 247 DIN 96 panel mount 96x96x62 mm 92x92mm 1-5 mm Front IP54, Rear IP30 UL 94-VO 340 g

Parameters

Dutter	Com	Davamatav
Button	Scr	Parameter Watts L1
	1	Volts L1 Current L1 Active Energy L1
	2	Watts L2 Volts L2 Current L2 Active Energy L2
ESC	3	Watts L3 Volts L3 Current L3 Active Energy L3
Ph S	4	Watts L1 Volts L1 Current L1 Reactive Energy L1
	5	Watts L2 Volts L2 Current L2 Reactive Energy L2
	6	Watts L3 Volts L3 Current L3 Reactive Energy L3
	1	L-N Volts L1, L2, L3
	2	L-L Volts L1, L2, L3
V/A	3	Current L1, L2, L3, N
V/A	4	V-THD% per line
	5	I-THD% per line
	6	Phase Sequence V&I
	1	PF and System Freq
	2	PF per phase
MD PF Hz	3	Max Current Demand per phase
	4	System Max demand P, Q, S.
	1	Active Power (P) L1, L2, L3
P	2	Reactive Power (Q) L1, L2, L3
	3	Apparent Power (S) L1, L2, L3
	4	System Powers P,Q,S
	1	Imp Active Energy Exp Active Energy
E	2	Imp Reactive Energy Exp Reactive Energy
	3	Total Active Energy Total Reactive Energy



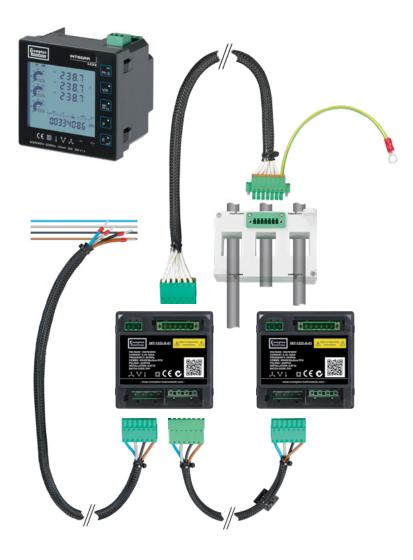
Q2C WIRING SOLUTION

Ensures error free installation and reduces wiring time by 80%.

With the Q2C wiring solution, you can quickly and easily connect the INTEGRA 1222 Digital Metering System and 3-in-1 current transformers.

Key Benefits

- A complete wiring solution with integral connectors and earthing
- Screwless terminal connections, vibration proof and maintenance free
- Reduced installation time
- Eliminates potential cost of errors in electrical connections or programming
- Tidy solution for cable management



Voltage Meter to Meter Loom

The meter to meter loom connects the voltage for upto 32 meters using high quality LSZH cable fitted with suitable plugs and socket for safe and easy voltage connections.



Part Number	Length
Q2C-VMM-0600-01	600mm
Q2C-VMM-1000-01	1000mm
Q2C-VMM-1200-01	1200mm
Q2C-VMM-1500-01	1500mm
Q2C-VMM-2000-01	2000mm
Other lengths available	

Voltage Meter to Open Loom

The meter to open loom connects the voltage supply from the fused connections to the meter using high quality LSZH cable fitted with suitable plugs and socket for safe and easy voltage connections.



Part Number	Length
Q2C-VFO-0600-01	600mm
Q2C-VFO-1000-01	1000mm
Q2C-VFO-1200-01	1200mm
Q2C-VFO-1500-01	1500mm
Other lengths available	

Current to Meter Loom

The current to meter loom connects the current from the current transformer to the current input on the meter using high quality LSZH cable fitted with suitable plugs and socket for safe and easy voltage connections.



Part Number	Length
Q2C-CTM-0600-01	600mm
Q2C-CTM-0900-01	900mm
Q2C-CTM-1200-01	1200mm
Q2C-CTM-1500-01	1500mm
Q2C-CTM-2000-01	2000mm
Q2C-CTM-2500-01	2500mm
Other lengths available	

Current to Open Loom

The current to open loom connects the any current transformer to the current inputs on the meters using high quality LSZH cable fitted with suitable plugs and socket for safe and easy voltage connections.



Part Number	Length
Q2C-CMO-0600-01	600mm
Q2C-CMO-0900-01	900mm
Q2C-CMO-1200-01	1200mm
Q2C-CMO-1500-01	1500mm
Q2C-CMO-2000-01	2000mm
Q2C-CMO-2500-01	2500mm
Other lengths available	

Q2C 3-IN-1 CURRENT TRANSFORMERS

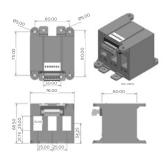


A range of 3-in-1 current transformers to use to use with or without the Q2C wiring solution. The 3-in-1 current transformers combine three traditional current transformers in one moulded case with a connector for simple and easy installation.

QC3N1-25

76mm wide x 60mm deep x 68mm high

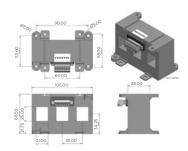
Part number	Ratio	Burden VA	Aperture		
		Class 0.5	Class 1	Class 3	(mm)
QC3N1-25-60/5	60/5	-	1	2	3 @ 15x25
QC3N1-25-100/5	100/5	-	1.5	2.5	3 @ 15x25
QC3N1-25-125/5	125/5	-	1.5	2.5	3 @ 15x25
QC3N1-25-160/5	160/5	1.5	1.5	2.5	3 @ 15x25



QC3N1-35

105mm wide x 38mm deep x 68.5mm high

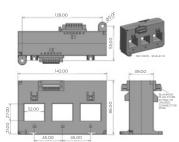
Part number	Ratio	Burden VA	Aperture		
		Class 0.5	Class 1	Class 3	(mm)
QC3N1-35-100/5	100/5	-	1.5	2	3 @ 21x25
QC3N1-35-125/5	125/5	-	1.5	2.5	3 @ 21x25
QC3N1-35-160/5	160/5	1.5	1.5	2.5	3 @ 21x25
QC3N1-35-250/5	250/5	1.5	1.5	2.5	3 @ 21x25



QC3N1-45

142mm wide x 39mm deep x 86mm high

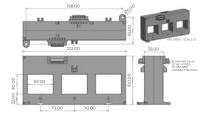
Part number	Ratio	Burden VA against class index			Aperture
		Class 0.5	Class 1	Class 3	(mm)
QC3N1-45-250/5	250/5	-	2.5VA	-	3 @ 32x27
QC3N1-45-400/5	400/5	-	2.5VA	-	3 @ 32x27
QC3N1-45-630/5	630/5	2.5VA	5VA	-	3 @ 32x27



QC3N1-70

212mm wide x 39mm deep x 100mm high

Part number	Ratio		Aperture		
		Class 0.5	Class 1	Class 3	(mm)
QC3N1-70-400/5	400/5	-	2.5VA	-	3 @ 52x40
QC3N1-70-630/5	630/5	2.5VA	2.5VA	-	3 @ 52x40
QC3N1-70-800/5	800/5	2.5VA	5VA	-	3 @ 52x40





3-IN-1 CURRENT TRANSFORMERS



A range of 3-in-1 current transformers combine three traditional current transformers in one moulded case. 3-in-1 current transformers can be directly installed next to a three-phase moulded case circuit breaker, thus saving installation time where fitting three standard individual current transformers would be required. The M3N1 range of current transformers offers primary currents between 60-630A with 5A secondaries with up to Class 0.5 accuracy performance.

Aperture (mm)

3 @ 15x25

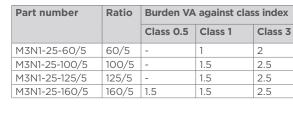
3 @ 15x25

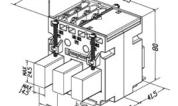
3 @ 15x25

3 @ 15x25

M3N1-25







M3N1-35

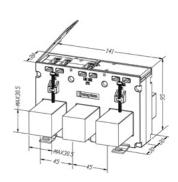
Case size: 105mm wide x 38mm deep x 80mm high

105	-
	2
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Part number	Ratio	Burden VA against class index			Aperture
		Class 0.5	Class 1	Class 3	(mm)
M3N1-35-100/5	100/5	-	1	2	3 @ 21x25
M3N1-35-125/5	125/5	-	1.5	2.5	3 @ 21x25
M3N1-35-150/5	150/5	-	1.5	2.5	3 @ 21x25
M3N1-35-160/5	160/5	1.5	1.5	2.5	3 @ 21x25
M3N1-35-200/5	200/5	1.5	1.5	2.5	3 @ 21x25
M3N1-35-250/5	250/5	1.5	1.5	2.5	3 @ 21x25

M3N1-45

Case size: 141mm wide x 38mm deep x 95mm high



Part number	Ratio	Burden VA	ss index	Aperture	
		Class 0.5	Class 1	Class 3	(mm)
M3N1-45-250/5	250/5	1.5	1.5	2.5	3 @ 31x31
M3N1-45-300/5	300/5	2.5	2.5	3.75	3 @ 31x31
M3N1-45-400/5	400/5	2.5	2.5	3.75	3 @ 31x31
M3N1-45-500/5	500/5	2.5	2.5	3.75	3 @ 31x31
M3N1-45-600/5	600/5	2.5	2.5	3.75	3 @ 31x31
M3N1-45-630/5	630/5	2.5	2.5	3.75	3 @ 31x31



CURRENT TRANSFORMERS RANGE



Ebony Current Transformers

The range of Crompton Instruments Ebony current transformers offers wide system current ratings, apertures, busbar and case sizes to suit every application. Manufactured to meet EN60044 the range benefits include ratio rating from 1/5 to 6000/5, accuracy up to Class 0.5, integral terminal cover for safety and multiple mounting options.

Supplied with metal feet. DIN rail clips and busbar mounting as standard.

For use with the CTO range of wiring looms.



MR series Current Transformers

MR transformers are used to accurately measure high alternating primary currents, converting the primary current into a proportional secondary current as required for measurement and instrumentation. They are available in 5 amp or 1 amp secondary versions.



Split Core Current Transformers

A range of split core current transformers that offers a cost effective and efficient method by which the current can be measured without the need to break the conductor, thereby reducing installation and commissioning time.



Miniature Split Core Current Transformers

A range of miniature split core current transformers that offers a cost effective and efficient method by which the current can be measured without the need to break the conductor, each current transformer is supplied with colour coded leads of up to 3 meters for connection to the monitoring device. The MSC range of current transformers offers primary currents between 60-500A with 1 or 5A secondaries with class 1 accuracy performance. (Class 3 for 60-80A range).

For full range and part numbers visit Crompton-instruments.com



About TE Connectivity

TE Connectivity Ltd. (NYSE: TEL) TE Connectivity is a \$12 billion global technology leader. Our commitment to innovation enables advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. Te's unmatched breadth of connectivity and sensor solutions, proven in the harshest of environments, helps build a safer, greener, smarter and more connected world. With 75,000 people – including more than 7,000 engineers – working alongside customers in nearly 150 countries, we help ensure that EVERY CONNECTION COUNTS.

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