



Main

Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module

Complementary

Analogue input number	8
Input type	Differential
Addressing requirement	9 input words
Analogue input type	Temperature probe - 100...450 °C Pt 100, Pt 200, Pt 500, Pt 1000 Temperature probe - 200...850 °C Pt 100, Pt 200, Pt 500, Pt 1000 Temperature probe - 60...180 °C Ni 100, Ni 200, Ni 500, Ni 1000 Temperature probe 0.5 mA Ni 100, Ni 200, Ni 500, Ni 1000 Temperature probe 2.5 mA Pt 100, Pt 200, Ni 100, Ni 200
Analogue input resolution	13 bits
Input impedance	>= 10 MOhm
Absolute accuracy error	0.1 °C
Linearity error	+/- 0.01 % full scale +/- 0.5 °C
Accuracy drift according to temperature	+/- 0.5 °C 77 °F (25 °C) +/- 0.9 °C 32...140 °F (0...60 °C)
Isolation between channels and bus	1780 V AC 47...63 Hz 60 s 2500 V DC 60 s
Isolation between channels	300 Vrms AC
Update time	1200 Ms 3 wires 640 ms 2 wires/4 wires
Fault type	Broken wire Overtaking scale
Marking	CE
Local signalling	Bus communication is present (Active) 1 LED green) External fault 1 LED red) Channel is turned on 8 LEDs green) Channel fault 8 LEDs red)
Bus current requirement	200 mA
Power dissipation in W	1 W
Module format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2 CUL
Resistance to electrostatic discharge	4 KV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80...1000 MHz IEC 801-3
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Relative humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901672371
Nbr. of units in pkg.	1
Package weight(Lbs)	0.97 lb(US) (0.44 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	6.50 in (16.5 cm)
Package 1 Length	12.20 in (31 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	7.15 lb(US) (3.241 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

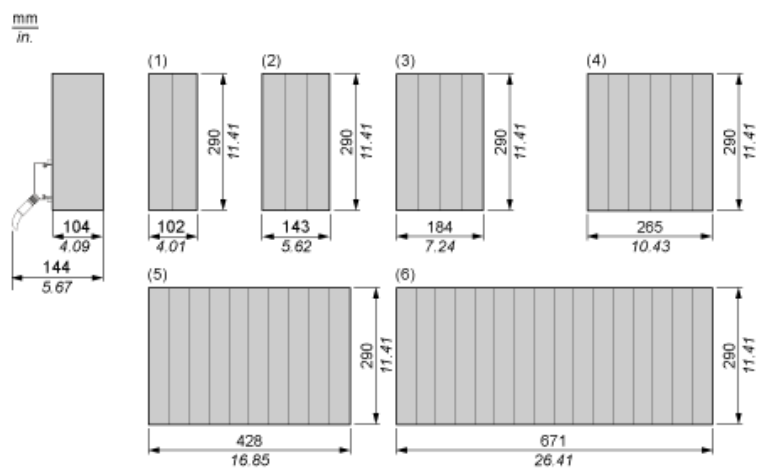
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

RTD Input 8-Channel Module

Wiring Diagram

