

140DAI54300

discrete input module Modicon Quantum - 16 I -
115 V AC - 2 channels



Price* : 391.00 GBP



Main

Range of product	Modicon Quantum automation platform
Product or component type	VAC discrete input modules
Software name	Unity Pro Concept ProWORX 32
Discrete input number	16

Complementary

Group of channels	2
Addressing requirement	1 input word
Discrete input voltage	115 V AC
Input current	11.1 mA at 57...63 Hz 13.2 mA at 47...53 Hz
Voltage state 1 guaranteed	79...132 V AC at 57...63 Hz 85...132 V AC at 47...53 Hz
Voltage state 0 guaranteed	0...20 V AC at 57...63 Hz 0...20 V AC at 47...53 Hz
Input impedance	12000 Ohm capacitive at 57...63 Hz 14400 Ohm capacitive at 47...53 Hz
Network frequency limits	47...63 Hz
Maximum leakage current	2.1 mA
Absolute maximum input	132 V continuous 156 V 10 s 200 V 1 cycle
Response time	4.9...0.75 ms x line cycle Off-On 7.3...12.3 ms On-Off
Isolation between group	1780 Vrms for 1 minute
Isolation between group and bus	1780 Vrms for 1 minute
Bus current requirement	180 mA

Maximum power dissipation in W	5.5 W
Local signalling	1 LED (green)bus communication is present (Active): 1 LED (red)external fault detected (F): 16 LEDs (green)input status:
Marking	CE
Module format	Standard
Product weight	0.3 kg

Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	CUL FM Class 1 Division 2
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

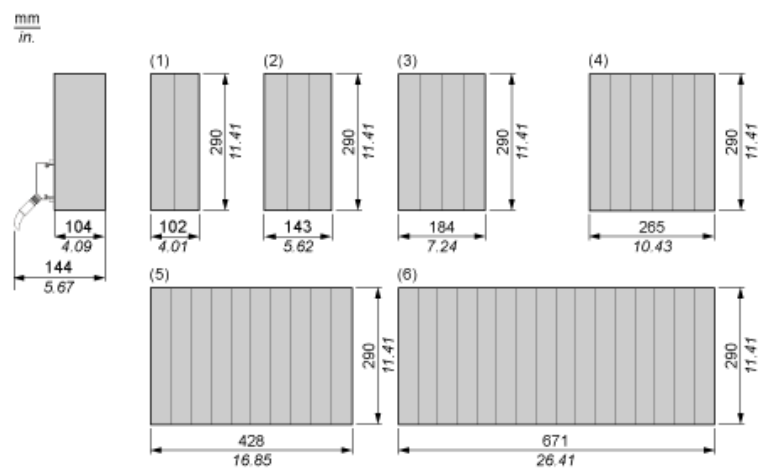
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product 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
----------	-----------

Racks for Modules Mounting

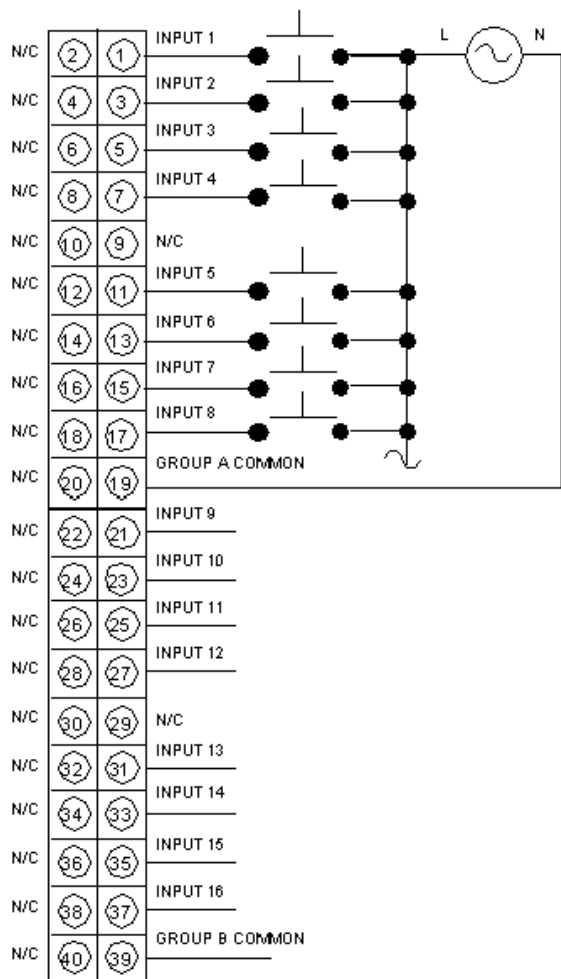
Dimensions of Modules and Racks



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

115 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected

NOTE: All inputs in a group must be from the same phase of line input voltage.