Product datasheet
Characteristics

140DAI55300
discrete input module Modicon Quantum - 32 I - 115 V AC

Main

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

Complementary

Group of channels	4
Addressing requirement	2 input words
Discrete input voltage	115 V AC
Input current	<= 11.1 mA 57...63 Hz <= 13.2 mA 47...53 Hz
Voltage state1 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
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	250 mA
Power dissipation in W	<= 10.9 W
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 32 LEDs green input status
Marking	CE
Module format	Standard
Product weight	0.33 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