



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	16
Group of channels	16
Discrete input voltage	115 V AC
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 16 LEDs green input status
Module format	Standard

Complementary

Addressing requirement	1 input word
Input current	≤ 11,1 mA 50 Hz ≤ 13,2 mA 60 Hz
Voltage state 1 guaranteed	79...132 V AC 60 Hz 85...132 V AC 50 Hz
Voltage state 0 guaranteed	0...20 V AC 50 Hz 0...20 V AC 60 Hz
Input impedance	12000 Ohm capacitive 60 Hz 14400 Ohm capacitive 50 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 channels	1780 Vrms for 1 minute
Isolation between channels and bus	1780 Vrms for 1 minute
Bus current requirement	180 mA
Power dissipation in W	≤ 5,5 W
Marking	CE
Product weight	0,31 kg

Environment

Standards	CSA 22-2 No 142 UL 508
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	10 V/m 80...2000 MHz 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
RoHS EUR conformity date	0847
RoHS EUR status	Compliant