



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	2
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 group	1780 Vrms for 1 minute
Isolation between group and bus	1780 Vrms for 1 minute
Bus current requirement	180 mA
Power dissipation in W	≤ 5,5 W
Marking	CE
Product weight	0,3 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	0851
RoHS EUR status	Compliant