



Main

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

Complementary

Group of channels	4
Addressing requirement	2 input words
Discrete input voltage	24 V AC
Input current	11.1 mA at 57...63 Hz 13.2 mA at 47...53 Hz
Voltage state 1 guaranteed	12...30 V AC at 57...63 Hz 14...30 V AC at 47...53 Hz
Voltage state 0 guaranteed	0...5 V at 57...63 Hz 0...5 V at 47...53 Hz
Input impedance	2600 Ohm capacitive at 57...63 Hz 3100 Ohm capacitive at 47...53 Hz
Network frequency limits	47...63 Hz
Maximum leakage current	1.9 mA
Absolute maximum input	30 V continuous 32 V 10 s 50 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

Maximum 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
Net weight	0.34 kg

Environment

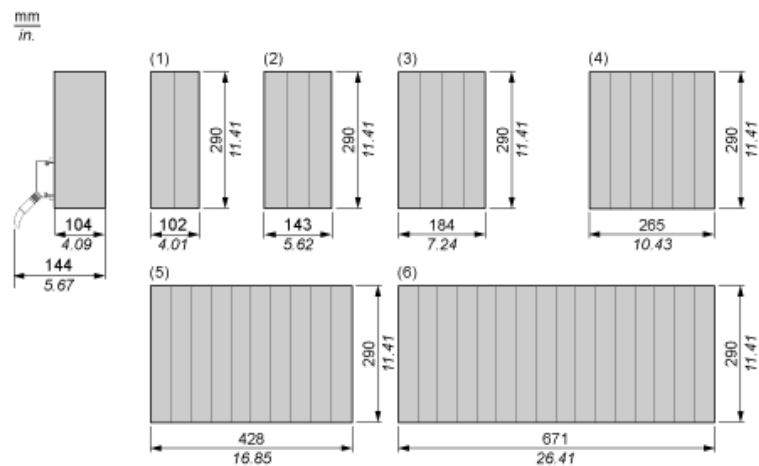
Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2 CUL
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	475 g
Package 1 Height	5 cm
Package 1 width	16.5 cm
Package 1 Length	31.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	3.925 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Racks for Modules Mounting

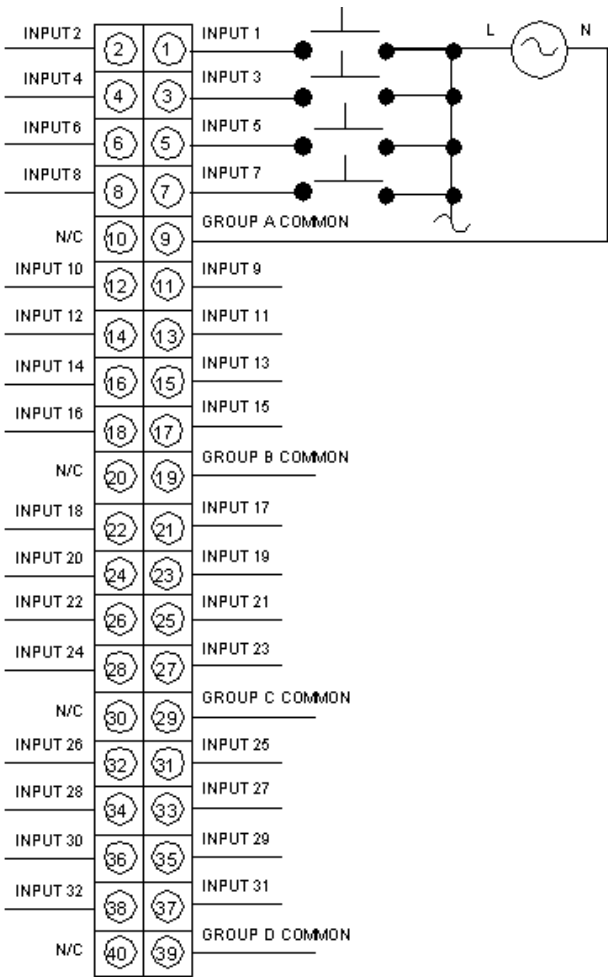
Dimensions of Modules and Racks



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

24 Vac Discrete Input Module

Wiring Diagram



N/C Not Connected