

5414

Compact Digital Input Module

Features:

- 16 optically-isolated digital inputs
- 12 to 240 volts
- Universal AC or DC
- Very low power requirements
- Compact module
- 3 year warranty on parts and labor



Specifications

Number of Digital Inputs	16	
Ranges	Factory configurable as: 12/24V 48V 115/125V 240V	
Input Current	0.6 – 0.9mA at 24V on the 12/24V range 0.3 – 0.4mA at 48V on the 48V range 0.3 – 0.4mA at 120V on the 115/125V range 0.3 – 0.4mA at 240V on the 240V range	
Over-voltage Tolerance	150% sustained over-voltage without damage	
Power Requirements	5V@6mA with LEDs off 5V@40mA with LEDs on	
Visual Indicators	Logic powered LEDs. Can be disabled to conserve power	
Field Terminations	12 to 22 AWG, 15A contacts	
Dimensions	2.90 inch [74mm] wide, 4.90 inch [124mm] high, 1.80 inch [45mm] deep	
Mounting	7.5 x 35 DIN rail	
Packaging	Corrosion-resistant zinc-plated steel with black enamel paint	
Environment	5% RH to 95% RH, non-condensing –40°C to 70°C [–40°F to 158°F] operation –40°C to 85°C [–40°F to 185°F] storage	
Safety	Class I, Division 2, Groups A, B, C and D and CSA certified to UL508 standards ATEX II 3G and IECEx: Ex nA IIC T4 per EN 60079-15, protection type n (Zone 2) [5414-24 only] Maximum permitted voltage in Canada or North America is 240VAC Maximum permitted voltage outside of Canada or North America is 30VAC/42.4PK/60VDC	
Model	Part Number	Signal Range
5414-24	297378	12/24V AC/DC, ATEX and IECEx
5414-48	297379	48V AC/DC [Not available outside of North America]
5414-120	297380	115/125V AC/DC [Not available outside of North America]
5414-240	297381	240V AC/DC [Not available outside of North America]

Note: Module not supported on 16-bit SCADAPack platform (SCADAPack, SCADAPack Light, SCADAPack Plus, SCADAPack 100 and SCADAPack LP)