

5405

Digital input module

- High density, 32 digital inputs
- Sinking input design
- Low power
- cCSAus and cULus Class I, Division 2 Hazardous Area Rating
- UL508 listed
- ATEX II 3G and IECEx: Ex nA IIC T4 per EN 60079-15, protection type n (Zone 2)
- 3 year warranty on parts and labor



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Product Data Sheet 5405

Specifications

> 5405 Digital input module

General

Input Points	32	
Ranges	12-24VDC, 16-24VAC, 120VAC/DC	
Over-Voltage Tolerance	150% sustained over-voltage without damage	
Input Current	<ul style="list-style-type: none"> • 6.0mA typical @ 24VDC on the 24V range • 3.5mA typical @ 24VAC on the 24V range • 2.5mA typical @ 120VDC on the 120V range • 1.5mA typical @ 120VAC on the 120V range 	
DC Input Logic Levels	<ul style="list-style-type: none"> • OFF to ON transition threshold is typically 7.5VDC on the 24VDC range • OFF to ON transition threshold is typically 55VDC on the 120VDC range 	
AC Input Levels	<ul style="list-style-type: none"> • OFF to ON transition threshold is typically 6VAC on the 24VAC range • OFF to ON transition threshold is typically 45VAC on the 120VAC range 	
Transient Protection	2.5kV surge withstand capability as per ANSI/IEEE C37.90.1-1989	
Isolation	<ul style="list-style-type: none"> • Isolated in 4 groups of 8. Inputs 0-15 are on the bottom edge. • Inputs 16-31 are on the top edge. Isolation 500VAC/DC from chassis and logic ground 	
Power Requirements	5V @ 10mA with all inputs ON	
Terminations	4: 9 pole, removable terminal blocks, 12 to 22 AWG, 15A contacts	
Dimensions	144mm wide x 127mm high x 45mm deep (5.65in. x 5.00in. x 1.88in.)	
Packaging	Corrosion resistant zinc plated steel with black enamel paint	
Environment	5% RH to 95% RH, non-condensing, -40°C to 60°C (-40°F to 140°F)	
Addressing	Configurable with 4 DIP switches	
AC/DC Operation	2: DIP switches determine AC/DC and 50/60Hz operation	
Visual Indicators	32: Red LED's, field powered. Cannot be disabled to conserve power	
Safety	cCSAus and cULus Class I, Division 2 Hazardous Area Rating, UL508 listed	
Model	Part Number	Description
5405-120	TBUX297249	32 point, 120V discrete input module
5405-24	TBUX297247	32 point, 12-24V discrete input module

Disclaimer: Schneider Electric reserves the right to change product specifications. For more information visit www.schneider-electric.com.