

5304

Analog output module

- Selectable voltage and current modes
- 5V and 10V selectable voltage modes
- 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



Product Data Sheet 5304

Specifications

> 5304 Analog output module

General

Output points	4
Output Modes	<ul style="list-style-type: none"> • Current mode, jumper link selectable • Voltage mode, 5V full scale, jumper link selectable, • Voltage mode, 10V full scale, jumper link selectable
Output signal ranges	<ul style="list-style-type: none"> • 0-20mA or 4-20mA, switch configurable • 0-5V or 1-5V, switch configurable, 0-10V or 2-10V, switch configurable
Output Type	Single ended regulation on positive side with common negative return
Maximum Load Resistance	1000Ω with 24VDC loop power, 400Ω with 12VDC loop power, 250Ω with 9VDC loop power
Minimum Load Resistance in Voltage Mode	<ul style="list-style-type: none"> • 2kΩ for 10V full scale, with min 20VDC power applied • 1kΩ for 5V full scale, with min 15VDC power applied
Isolation	500VAC field to logic
D/A Resolution	12-bit over the 0-20mA / 0-5V/ 0-10V ranges
Absolute Accuracy	+/- 0.05% of full scale at 25°C (77°F), +/- 0.2% of full scale over temperature range
Noise and Ripple	0.04% maximum
Transient Protection	<ul style="list-style-type: none"> • 2.5kV surge withstand capability as per ANSI/IEEE C37.90.1-1989 • Inductive load protection diodes included
Response Time	2ms typical to 90% signal change
Addressing	DIP switch configurable
12-24V Operating Voltage Limits	<ul style="list-style-type: none"> • 9V or (20mA x load resistance) +4V (whichever is greater) in current mode • (1.5 x Range / load resistance) + Range + 2.5V in voltage mode, 30V maximum
Power Requirements	<ul style="list-style-type: none"> • 6mA min., 25mA maximum • 15mA quiescent plus 80mA max. in current mode • 15mA quiescent plus 20mA max. in voltage mode
Terminations	10 pole, removable terminal block, 12 to 22 AWG, 15 amp contacts
Dimensions	108mm wide x 118mm high x 44mm deep (4.25in. x 4.625in. x 1.75in.)
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)
Safety	cCSA _{US} and cUL _{US} Class I, Division 2 Hazardous Area Rating, UL508 listed

Model	Part Number	Description
5304-20	297248	4 channel isolated analog output module, 0-20mA
5304-10	297252	4 channel isolated analog output module, 0-10 volts
5304-5	297253	4 channel isolated analog output module, 0-5 volts
5304-C	297254	4 channel isolated analog output module, Custom (specify range of each input)

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