

ABB MEASUREMENT & ANALYTICS | DATA SHEET

Analog output module XSeries, RMC, and XIO



Overview

The 2100415 TFIO module is a configurable 4 channel, 4 to 20 mA analog output module. Each point can be configured to either sink or source a 4 to 20 mA signal using either an internal or external power source.

Point specifications

Electrical (each point)

Maximum allowable voltage range on VDC source, current sink or source is 26.5VDC (VDC common is essentially System Ground).

Maximum external power source

26.5 VDC

Minimum load resistance (internal / external powered) 0 Ohms

Maximum load resistance

(internally powered) 350 Ohms

Maximum load resistance RMAX

(Calculated) (VDC External – 4.0) X 50.0

TFIO analog input (type II) module pin designation				
	J1	J2	J3]4
1	AO1 VDC source	AO2 VDC source	AO3 VDC source	AO4 VDC source
2	AO1 Isink	AO2 Isink	AO3 Isink	AO4 Isink
3	AO1 Isource	AO2 Isource	AO3 Isource	AO4 Isource
4	AO1 VDC common	AO2 VDC common	AO3 VDC common	AO4 VDC common

Typical point schematic



Example connections





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VDC INTERNAL

ioVBB

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i SINK (Pin 2) i SOURCE (Pin 3)

VDC SOURCE (Pin 1)





(+)

POWER SUPPLY: TFIO MODULE CURRENT SOURCE MODE











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Measurement & Analytics

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