Analog input module
XSeries, RMC, and XIO
Overview

The 2100418 TFIO module is a configurable 8-point analog input module. Each point can be configured as a 0 to 10 V voltage input or a 0 to 20 mA current input.

Point specifications

Electrical (each point)
Input Mode  Range
Voltage  –  0 to 10V
Current  –  0 to 20mA

Maximum voltage mode input before soft over-range
10.7V

Maximum allowable continuous input current
22.8mA

Typical input impedance voltage mode
91.24K Ohms

Typical input impedance current mode
249.3 Ohms

TFIO analog input (type II) module pin designation

<table>
<thead>
<tr>
<th>J1</th>
<th>J2</th>
<th>J3</th>
<th>J4</th>
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</thead>
<tbody>
<tr>
<td>A11 (+)</td>
<td>A13 (+)</td>
<td>A15 (+)</td>
<td>A17 (+)</td>
</tr>
<tr>
<td>A11 (GND)</td>
<td>A13 (GND)</td>
<td>A15 (GND)</td>
<td>A17 (GND)</td>
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<tr>
<td>A12 (+)</td>
<td>A14 (+)</td>
<td>A16 (+)</td>
<td>A18 (+)</td>
</tr>
<tr>
<td>A12 (GND)</td>
<td>A14 (GND)</td>
<td>A16 (GND)</td>
<td>A18 (GND)</td>
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Hot Pluggable

This module is hot-pluggable and can be inserted, replaced or removed during the normal operation of the device with no restart required. The system will detect the changes in the TFIO bus and reflect the state of the modules that can be verified on PCCU. User should take power precaution measurements when execution this action.
Example connections

TYPICAL VOLTAGE INPUT FIELDS WIRING

TYPICAL 2 WIRE 4–20mA DEVICE FIELD WIRING

For further information on this and other TFIO modules refer to the User Manual.
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