

XSeries^{G4} products

Communication interface module, CIM (2100421)



Overview

The 2100421 TFIO module is a software configurable serial interface capable of communicating with RS-232, RS-422 or two-wire RS-485 devices at baud rates from 300-38,400 bps. This module does not support legacy (3 wire) UCI direction control.

Specifications

Point specifications

VBATT: TFIO Bus ioVBB @ 2A Max
 SW. VBATT: TFIO Bus ioVBB @ 2A Max

Transient specifications

VBATT: 1500W @ 15V
 SW. VBATT: 1500W @ 15V
 Communication signals: 400W @ ±12V,
 IEC 1000-4-2,
 IEC 1000-4-4 10/1000usec
 (non-repetitive)

TFIO communications interface module, RS-232 mode pin designations

	J1	J2	J3	J4
1	CTS (input)	RTS (output)	N/A	N.C.
2	RXD (input)	TXD (output)	N/A	N.C.
3	GND	GND	N.C.	N.C.
4	VBATT	SW.VBATT	N.C.	N.C.

Communications interface module, RS-422 / RS-485 mode pin designations

	J1	J2	J3	J4
1	RCV+	XMT+	TRM+	N.C.
2	RCV-	XMT-	TRM-	N.C.
3	GND	GND	N.C.	N.C.
4	VBATT	SW.VBATT	N.C.	N.C.

Note: RCV+, XMT+ and RCV-, XMT- respectively must be connected together to form BUS+ and BUS- signals for two wire RS-485 mode operation.

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