

JAG PdiCS+ XAI/XAM

Analogue I/O Module



JAG Jakob AG Process Engineering,

your partner for plant construction and process automation offers the JAG PdiCS+ XAI/XAM Analogue I/O Module, a compact solution for the connection of analogue and digital inputs and outputs.

The JAG PdiCS+ XAI/XAM Module was designed to meet the most demanding requirements of the pharmaceutical, chemical, biotech, cosmetics and food industries.

Features and benefits of the JAG PdiCS+ XAI/XAM Digital I/O Module

- Offers 8 analogue inputs, 4 analogue outputs, 8 digital inputs and 8 short circuit protected digital outputs
- Extremely compact unit, requires minimal space in the switching cabinet
- Dual interface: 1x ARCNET® up to 5 MBaud, 1x RS 422, both with galvanic isolation
- Can be used as slave in PdiCS-BUS networks (JAG PdiCS+ XAI), as standalone unit or as participant in PdiCS-NET multimaster networks (JAG PdiCS+ XAM)
- By loading the adequate firmware the same hardware module can either be used as slave or master module
- Real time clock, battery buffered
- Separate supply and fuse protection of the outputs and of the rest of the unit possible

Mechanical data

Mounting clamps	suitable for DIN rail TS35 mm
Protection	IP20
Dimensions (w x h x d)	232 x 85 x 65 mm
Operating conditions	0 to +50 °C 10 to 90 % rel. humidity, non-condensing

Electrical data

Supply voltage	12 to 28 VDC Separated, monitored supply of the digital outputs and the rest of the system possible
CPU	Coldfire MC68331 (25 MHz)
RAM	1 MB SRAM, battery buffered
Real time clock	yes, battery buffered
Interfaces	1 x ARCNET® RS 485 (up to 5 MBaud) 1 x serial (up to 38.4 kBaud)
Local I/O	8 analogue inputs (0-100 mV, 0-1 V, 0-10 V, 0-20 mA, Pt100) 4 analogue outputs (0-10 V, 0-20 mA) 8 digital inputs 8 digital outputs (short circuit protected)
I/O connected via ARCNET®	n/a
Diagnostic display	alphanumeric, 4 characters

Order information

I/O Module with Firmware	JAG PdiCS+ XAI
Order number	M019.001.085.100
Master Module w. Firmware	JAG PdiCS+ XAM
Order number	M019.001.084.100

The JAG PdiCS+ XAI/XAM modules allow very compact process automation solutions:



Plug-in terminal blocks, a diagnostic display and two push-buttons ensure an efficient installation and a fast module change.