

XOL-BSSA Programmable Logic Controller

Smart I/O **CANopen** Header

IMO

Technical Datasheet

Key Features

- Modular I/O system
- Up to 8 I/O modules per base
- Removeable terminals strips
- Compact size
- DIN Rail mountable
- Analog I/O including mA/V, thermocouple and RTD



Technical Specifications

Required Power	400mA @ 24VDC Max. (Class 2 Power Supply Only)
Primary Power Range	11-28VDC
Output Power	1500mA @ 5VDC
Terminal Type	M3 Screw Type, Removeable
Terminal Torque Range	0.6Nm (5.2 in/lb)
Accepted Wire Size	14-26AWG
Wire Stripping Length	7mm
Relative Humidity	5 to 95% Non-Condensing
Operating Temperature	-5°C to +50°C
Storage Temperature	-40°C to +75°C
Dimensions (H x W x D)	90 x 45 x 60mm (3.54 x 1.77 x 2.36in)
Weight	114g (4oz)
Vibration & Shock (in acc. with)	IEC1131-2
Noise Immunity (in acc. with)	IEC1131-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4
Approvals	UL & cUL (Class I, Div.2 Groups A, B, C & D)



Communication Specification

Data Transmission	CANopen
Flow Control	CAN bitwise arbitration
Connector	M3 Screw Type, 5-Pin Removeable Terminal Block
Architecture	Daisy-Chain or Trunkline-Dropline
Node ID Configuration	2x Digital Rotary Switches
Legal Node IDs	1 to 79 Decimal
Inactivity Timeout	Configurable From Software
i3 Configuration Version	9.4 or later
i3 Firmware Version	12.98 or later

I/O Specification

Compatible I/O	XGB I/O
Bases Supported (per system)	16
Modules Supported (per base)	8
Max. Digital I/O (per base)	256 (Inputs and Outputs)
Max. Analog I/O (per base)	32 (Inputs and Outputs)
I/O Limitations (per system)	2048 Digital In, 2048 Digital Out 512 Analog In, 512 Analog Out
Power Supplied for I/O Modules	1500mA @ 5VDC (Max.)