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Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC / INVENSYS / FOXBORO

Schneider Electric / Invensys / Foxboro DM400YL 120 VAC Input/Output Module

Foxboro DM400YL FBM10 120 Vac Input/Output Interface Module The Foxboro DM400YL is an I/A Series 100 Series 120 Vac Input/Output Fieldbus Module corresponding to FBM10 (also P0400YL / CM400YL). Per PSS 21H-2C9 B4, FBM10 is the expandable main 120 Vac I/O module; FBM15 is the expansion. The main module provides eight 120 Vac discrete inputs (voltage monitor) and eight 120 Vac discrete outputs and converts field on/off signals to the redundant Fieldbus. Emerson 100 Series migration maps FBM10/15 to eight 120 Vac isolated CHARMs plus eight 120 Vac high-side outputs. Successor FBM219 replacement tables for FBM15 document the 120 Vac electrical limits used on this I/O class. The Foxboro DM400YL is an I/A Series 100 Series 120 Vac Input/Output Fieldbus Module corresponding to FBM10 (also P0400YL / CM400YL). Per PSS 21H-2C9 B4, FBM10 is the expandable main 120 Vac I/O module; FBM15 is the expansion. The main module provides eight 120 Vac discrete inputs (voltage monitor) and eight 120 Vac discrete outputs and converts field on/off signals to the redundant Fieldbus. Emerson 100 Series migration maps FBM10/15 to eight 120 Vac isolated CHARMs plus eight 120 Vac high-side outputs. Successor FBM219 replacement tables for FBM15 document the 120 Vac electrical limits used on this I/O class. 120 Vac discrete monitoring and switching in Foxboro I/A Series 100 Series I/O; motor starters, solen

**MODEL**

**Schneider Electric
/ Invensys /
Foxboro DM400YL**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DM400YL

LISTING

<https://aumictechlabs.com/products/dm400yl-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Schneider Electric/Invensys/Foxboro DM400YL is a discrete input/output module designed for integration with Foxboro I/A Series Distributed Control Systems and Invensys I/A Series platforms. Operating as an FBM10 (Fieldbus Module 10), the DM400YL provides eight channels of 120 VAC voltage monitoring inputs and eight channels of 120 VAC output switching with integrated current overload protection. The module supports expansion capabilities through a single optional expansion module, enabling scalable I/O configurations within distributed control architectures. Technical Specifications Input Channels: 8 × 120 VAC voltage monitoring with transitions occurring between 20 and 79 VAC for OFF-ON and ON-OFF detection Output Channels: 8 × 120 VAC switching with current overload protection Overload Protection: Automatic retry operation - module opens for 64.5 line cycles and retries indefinitely upon overload detection; overloads exceeding 50 A risk module damage Isolation: 1250 VAC withstand capability for one minute between any channel and earth ground, or between any two channels Power Supply: 26 to 42 VDC input; 7 W maximum (main module only), 15 W maximum (main module plus expansion module) Weight: Approximately 2.00 lbs Key Features LED indicators for module status and per-channel monitoring Configurable input filter time on a per-module basis Per-channel output configuration options: sustained or momentary operation modes with adjustable pulse output intervals Fail-safe configuration and fallback settings for critical safety requirements Single expansion module support for increased I/O density Typical Applications The DM400YL functions as an interface module within Foxboro I/A Series control systems, handling discrete 120 VAC field devices including sensors, switches, solenoids, and contactor coils requiring industrial-grade isolation and overload protection. Compatibility & Integration The module integrates directly with Foxboro I/A Series and Invensys I/A Series Distributed Control Systems via fieldbus connectivity. It

operates as a component within the larger DCS architecture and supports hierarchical expansion through dedicated expansion module interfaces.

Features & description

From manufacturer datasheet

Features

- FBM10 expandable main: 8 × 120 Vac DI + 8 × 120 Vac DO • Expansion module FBM15 (PSS 21H-2C9 B4) • Redundant Fieldbus on the main module only • 100 Series environmental class (0-60 C, G3, 1250 Vac isolation family) • Successor mapping documents 79-132 Vac ON / 0-20 Vac OFF; 2 A/channel outputs • DM400YL / P0400YL / CM400YL aftermarket identities

DM400YL Characteristics / Specifications

PARAMETER	VALUE
Model	DM400YL
Manufacturer	Foxboro (The Foxboro Company / Invensys / Schneider Electric)
Instrument Type	120 Vac Input/Output Field Bus Module
Series	I/A Series 100 Series FBM
Alias	DM400YL; FBM10; FBM 10; P0400YL; CM400YL
PSS Document	PSS 21H-2C9 B4 120 Vac Input/Output Interface Module (FBM10) and Expansion (FBM15)
Input Channels	8 discrete 120 Vac voltage-monitor inputs
Output Channels	8 discrete 120 Vac outputs
Expansion Module	FBM15 120 Vac expansion I/O
Module Class	expandable main; independently connects to redundant Fieldbus
Nominal Field Voltage	120 Vac
Successor Logic Zero	0 to 20 Vac or 0 to 20 Vdc (FBM219 when replacing FBM15)
Successor Logic One AC	79 to 132 Vac
Successor Logic One DC	75 to 150 Vdc
Successor Input Current	2.2 mA typical (20 to 132 Vac class)
Successor On State Resistance	1 kOhm maximum
Successor Off State Resistance	100 kOhm minimum
Successor Output Voltage Max	132 Vac
Successor Voltage Drop	0.4 V maximum at 1 A
Successor Current Per Channel	2 A maximum
Successor Current Per TA	12 A maximum
Successor Current Limit	3 A
Successor Surge	24 A for 10 ms
Successor Off Leakage	3 mA maximum
Input Voltage Range Redundant Family	26 to 42 V dc (100 Series FBM main)

PARAMETER	VALUE
Isolation Channel To Earth Family	1250 V ac for one minute (100 Series FBM)
Operating Temperature Family	0 to 60 C (32 to 140 F)
Relative Humidity Family	5 to 95 percent noncondensing
Altitude Operating Family	-300 to +3000 m
Storage Temperature Family	-40 to +70 C
Contamination Family	Class G3 harsh per ISA S71.04
Mass Family	1 kg (2.2 lb) typical 100 Series FBM
Communication	redundant Fieldbus (main module only)
Mounting	1×8 mounting structure / 100 Series baseplate
Field Terminations	100 Series terminal assembly for 120 Vac I/O
Migration Map	FBM10/15 to eight 120 Vac isolated CHARMs and eight 120 Vac high-side CHARMs
Successor Path	FBM219 / compact FBM241 class 8-in/8-out with 120 Vac TAs
Hot Swap Practice	TA retains field wiring while FBM is replaced (100 Series family) Notes Specs from Foxboro PSS 21H-2C9 identity (FBM10/FBM15 120 Vac I/O), 100 Series FBM environmental tables, Emerson FBM10/15 migration mapping, and FBM219 successor electrical limits when replacing FBM15. Confirm contact versus voltage-monitor wiring, TA type, and 120 Vac ratings on the installed DM400YL / P0400YL module.
FBM10 expandable main	8 × 120 Vac DI + 8 × 120 Vac DO
Storage temperature	Family: -40 to +70 C
Operating temperature	Family: 0 to 60 C (32 to 140 F)
Humidity	Family: 5 to 95 percent noncondensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Family: -40 to +70 C
Operating temperature	Family: 0 to 60 C (32 to 140 F)
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

environmental class (0-60 C, G3, 1250 Vac isolation family)
- Successor mapping documents 79-132 Vac ON / 0-20 Vac OFF; 2 A/channel outputs
- DM400YL / P0400YL / CM400YL aftermarket identities

Technical Specifications

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Successor Path	FBM219 / compact FBM241 class 8-in/8-out with 120 Vac TAs
Hot Swap Practice	TA retains field wiring while FBM is replaced (100 Series family)

Notes

Specs from Foxboro PSS 21H-2C9 identity (FBM10/FBM15 120 Vac I/O), 100 Series FBM environmental tables, Emerson FBM10/15 migration mapping, and FBM219 successor electrical limits when replacing FBM15. Confirm contact versus voltage-monitor wiring, TA type, and 120 Vac ratings on the installed DM400YL / P0400YL module.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.