

Foxboro - 200 Series / EcoStruxure Foxboro DCS**FBM241**

Redundant 8-Input/8-Output Discrete I/O Module

Verified product identity

The official PSS styles this function as FBM241; RH914TG is the current exact electronic-module part number and RH927BM is the separate redundant adapter.

Verified specifications

Input/output channels	8 inputs and 8 outputs
Redundancy	Module pair with RH927BM redundant adapter
Filter/debounce	No filtering, 4, 8, 16 or 32 ms
Channel isolation	Galvanically isolated; group isolated with external excitation
Isolation test	600 VAC for one minute
Supported input options	15-60 VDC, 125 VDC, 120 VAC or 240 VAC, depending on TA
Supported output options	15-60 VDC at 2 A; 30 VDC at 5 A; 125 VDC at 0.5 A; 120/240 VAC at 5 A, depending on TA
Power consumption	5 W maximum for a single module
Heat dissipation	6 W maximum for a single module
Current module part number	RH914TG
Required redundant adapter	RH927BM

Selection summary

Foxboro FBM241 is a redundant eight-input/eight-output discrete I/O module supporting multiple AC and DC termination arrangements.

APTER POWER

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Additional verified specifications

Module Fieldbus	Redundant 2 Mbps
Input power	24 VDC +5%, -10%
Operating temperature	-20 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	5 to 95%, noncondensing
Operating altitude	-300 to +3,000 m
Storage altitude	-300 to +12,000 m
Vibration	0.75 g from 5 to 500 Hz
Contamination class	ISA-S71.04 Class G3
Dimensions	10.2 × 4.5 × 10.4 cm (H × W × D); 11.4 cm height including mounting lugs
Weight	0.284 kg per module (official approximate module net weight)

Installation and commissioning

- Match the exact electronic-module order number, termination assembly, cable, field power and system configuration.
- Preserve channel configuration, wiring, grounding, redundancy state and active diagnostics before removal.
- Commission every used channel with controlled signals and verify alarms, diagnostics and control behavior.

Official applications

- Redundant AC or DC discrete-status input acquisition
- Redundant relay and solenoid output control
- Mixed eight-input/eight-output discrete process control with termination-selected signal ranges

Evidence boundary

Dimensions and weight apply only to the FBM241 electronic module. Termination assemblies, cables, adapters, companion modules and packaging are excluded.

Source basis: official Schneider Electric / Foxboro model-specific Product Specifications Sheet.