

Foxboro - Foxboro 200 Series FBM**RH101SF**

FBM228 Four-Channel FOUNDATION Fieldbus Module

Verified model data

Manufacturer	Schneider Electric / Foxboro
Part number	RH101SF
Product family	Foxboro 200 Series FBM
Product type	FBM228 Four-Channel FOUNDATION Fieldbus Module
Functional designation	FBM228
H1 links	4 isolated channels; up to 16 devices per link
H1 transmission rate	31.25 kbit/s
Input power	24 VDC +5/-10%
Maximum power consumption	3.8 W
Module Fieldbus	Redundant 2 Mbit/s
Mounting	DIN rail-mounted FBM on a supported baseplate

Selection summary

Foxboro RH101SF implements the FBM228 function with four independent H1 communication channels for intelligent field instruments.

Each channel can manage scheduled process communication and device diagnostics while remaining galvanically isolated from the other H1 links.

The exact RH101SF order code matters when matching current module hardware, supported baseplates, redundant arrangements and the installed Foxboro software release.

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Module dimensions	4.5 × 10.2 × 10.4 cm (W × H × D); 11.4 cm height including mounting lugs
Module net weight	0.284 kg
Operating temperature	-20 to 70°C at -300 to 914 m; derated to 60°C at 915 to 3000 m
Relative humidity	5 to 95%, non-condensing

Order-Code Match

- Read RH101SF from the installed label and quotation
- Confirm the supported control-processor generation
- Match baseplate and redundancy hardware to the current module

Segment Setup

- Preserve every H1 device address and schedule
- Verify separate power and termination for each link
- Check segment loading before enabling control

Replacement

- Record master/tracker state and active faults
- Synchronize the redundant pair before removing bypasses
- Prove device access and switchover under controlled conditions

Application checkpoints

- Current FBM228 replacements in Foxboro DCS cabinets
- Four-segment fieldbus integration for smart transmitters
- Redundant H1 control in continuous-process plants

Evidence boundary: All listed physical values apply to the RH101SF module body. Separate TA, cable and redundancy-adaptor dimensions or weights are not included.

Source basis: Schneider Electric Foxboro FBM228 RH101SF official specification sheet.