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FCM100E

Redundant Fieldbus Communications Module

Verified product identity

The official PSS identifies FCM100E and module part number P0972ZA as the same communications module identity.

Verified specifications

Module part number	P0972ZA
Architecture	Redundant active module pair with automatic role reversal
Control-side network	100 Mbps Ethernet
200 Series Module Fieldbus	2 Mbps
100 Series Module Fieldbus	268 kbps
200 Series FBM capacity	Up to 32
100 Series FBM capacity	Up to 64
Fiber type	62.5/125 µm multimode fiber
Fiber connector	LC
Fiber distance	3 m minimum to 2 km maximum

Selection summary

Foxboro FCM100E is a redundant Ethernet-to-Module-Fieldbus communications module for remote 200 Series and 100 Series FBMs.

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Additional verified specifications

Hot replacement	Supported for either module in the redundant pair
External time synchronization	Not supported; use FCM100Et when this function is required
Input power	21 to 42 VDC
Power consumption	5 W maximum per module
Operating temperature	0 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	5 to 95%, non-condensing
Vibration	0.75 g from 5 to 500 Hz
Dimensions	5.15 × 10.3 × 14.7 cm (W × H × D); 11.4 cm height including mounting lugs
Weight	0.6 kg (approximate, each module)

Installation and commissioning

- Match the exact model and official module identity, compatible hardware, software release and network or field wiring.
- Preserve configuration, channel or device mappings, redundancy state and active diagnostics before removal.
- Commission all used signals or communications and verify alarms, diagnostics and control behavior.

Official applications

- Redundant Ethernet-to-2 Mbps communications for remote 200 Series FBMs
- Redundant Ethernet-to-268 kbps communications for 100 Series and migration modules
- Remote distributed I/O segments over multimode fiber links up to 2 km

Evidence boundary

Dimensions and weight apply only to the FCM100E electronic module. Termination hardware, cables, companion modules and packaging are excluded.

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

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