

Foxboro™ DCS

FBI200A Fieldbus Isolator/Filter

PSS 41H-2Y17

Product Specification

August 2019



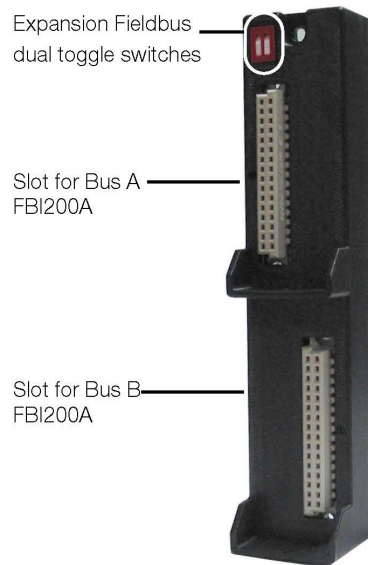
FBI200A
Mounting
Adapter



Expanded Fieldbus Support with FBI200A Mounting Adapter

The FBI200A mounting adapter (P0923XM) is required to mount the FBI200A modules to the conversion mounting structures. It provides power to both FBI200As and directs FBI200A communications to the “A” and “B” busses. It attaches between a redundant pair of FBI200A modules and their conversion mounting structure.

Figure 3 - FBI200A Mounting Adapter



In an Expanded Fieldbus, each FBI200A pair is connected to the next FBI200A pair via their TCAs using twinaxial cabling.

FBI200A Module Design

FBI200A modules have a compact design, with a molded plastic exterior for physical protection of the electronics. Enclosures specially designed for mounting of DIN rail mounted Fieldbus equipment provide various levels of environmental protection for the FBI200A modules, up to harsh environments per ISA Standard S71.04.

The FBI200A can be removed/replaced from their conversion mounting structure without removing power. Light-emitting diodes (LEDs) incorporated into the nosecone of the FBI200A indicate Fieldbus communications activity and module status.

FBI200A Module Fieldbus Communication

The FBI200A supports 2 Mbps module Fieldbus communications to all 200 Series FBMs. The 2 Mbps module Fieldbus is redundant and all 200 Series modules can receive/transmit messages over both A and B buses.

Physical Specifications

Mounting	<p>The redundant installation consists of two modules. FBI200A modules must be used in pairs, installed in an FBI200A mounting adapter.</p> <p>An FBI200A pair mounts in the left-most Termination Assembly Adapter (TAA) slot in any 100 Series conversion mounting structure. See <i>Standard 200 Series Baseplates</i> (PSS 41H-2SBASPLT) for details.</p>
Weight	<ul style="list-style-type: none"> • FBI200A: 0.3 kg (0.7 lb) approximate (each module) • FBI200A Mounting Adapter: 0.07 kg (0.16 lb)
Part Number	<ul style="list-style-type: none"> • FBI200A: P0923XL • FBI200A Mounting Adapter: P0923XM
FBI200A Dimensions	<ul style="list-style-type: none"> • Height: 2.63 in (69 mm) • Width: 1.4 in (36 mm) • Depth: 17.9 in (413 mm)