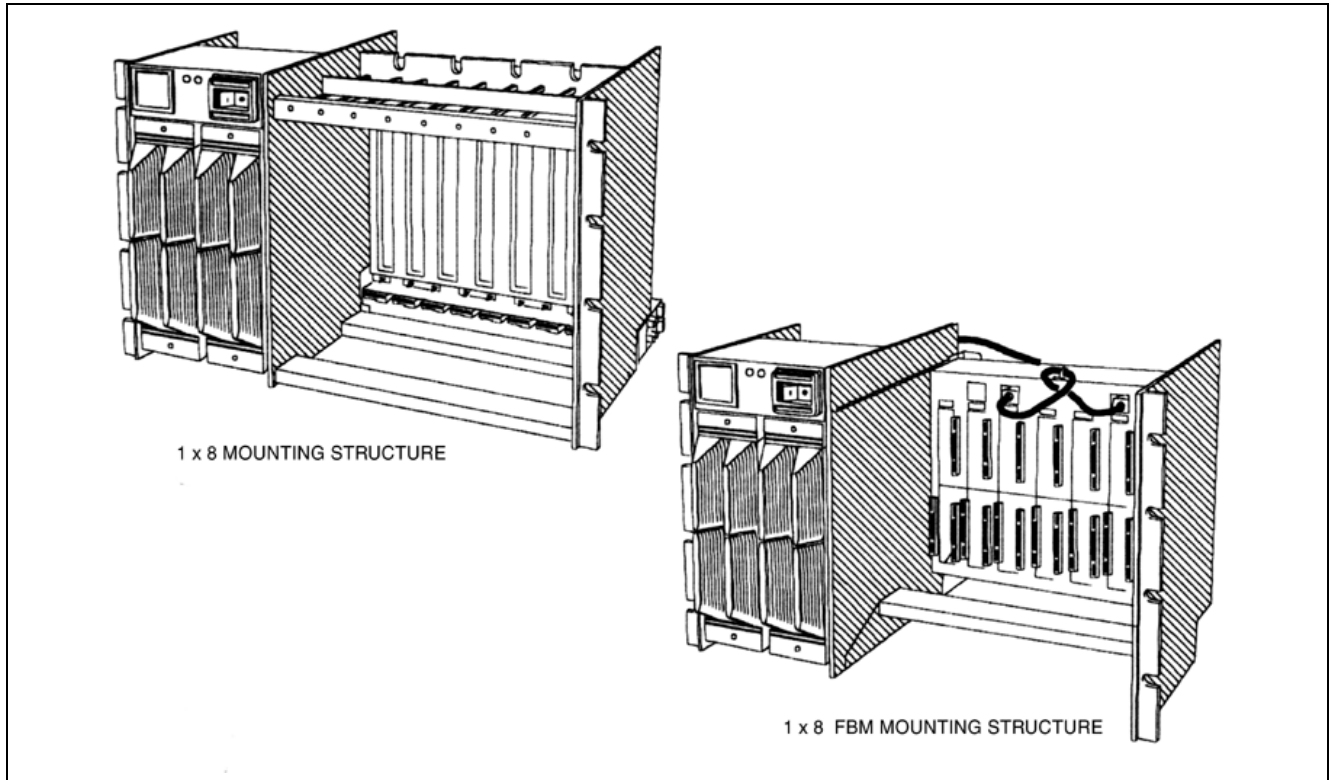


I/A Series® Hardware

1x8 Mounting Structure

1x8 FBM Mounting Structure



The 1x8 Mounting Structures provide a convenient mechanism for mounting I/A Series equipment within standard 483 mm (19-inch) racks. They support the concept of distributed control, local stations, or any combination across equipment areas. These rugged mounting structures provide the powering and communication support along with status tap connections.

1X8 MOUNTING STRUCTURE

The 1x8 contains 8 slots available for 10, 20, 30 Series (X- and Z-form factors) Processor modules and associated data storage devices; plus (Y-form factor) Fieldbus modules utilizing Y-adaptors. The 1x8 has a section for housing up to four power modules and an associated circuit breaker. It also contains fault-tolerant Nodebus communications. The 1x8 mounts in any standard 483 mm (19-inch) rack and may also be used as an integral part of the Metal Field Enclosure 8, Metal Industrial Enclosures and the Modular Industrial Workstation.

1X8 FBM MOUNTING STRUCTURE

The 1x8 FBM Mounting Structure contains two 4-slot molded connector blocks (8 slots total) available for housing Fieldbus modules without the need for Y-adaptors. A short telephone plug jumper cable connects the 4-slot blocks to provide a common Fieldbus, and to connect other FBM(s) in the same location to expand FBM capacity locally. Each of the 4-slot connector blocks can accept up to two (2) Fieldbus Isolator modules (Fault-tolerant Bus A and Bus B) to allow remote Fieldbus communication. The Fieldbus Isolators may be located in either the 1st or 5th slot. With the isolator(s) located in the 1st slot position, up to seven (7) Fieldbus modules in this

structure may communicate with an I/A Series Control Processor. With isolators located in the 1st and 5th position, three (3) Fieldbus modules in each connector block can independently communicate with separate remote Control Processors.

The FBM Mounting Structure contains a section for housing up to four power modules and an associated circuit breaker. It mounts in any standard 483 mm (19-inch) wide rack and may also be used as an integral part of the Metal Field Enclosure 8 and Metal Industrial Enclosures.

FUNCTIONAL SPECIFICATIONS

The environmental specifications for the 1x8 Mounting Structures are fully dependent upon the limits and constraints of the modules residing within.

PHYSICAL SPECIFICATIONS

Mounting

- 1X8 MOUNTING STRUCTURE
483 mm (19-inch) Rack; I/A Series Metal Industrial Enclosures; I/A Series Metal Field Enclosure 8; I/A Series Modular Industrial Workstation
- 1X8 FBM MOUNTING STRUCTURE
483 mm (19-inch) Rack; I/A Series Metal Industrial Enclosures; I/A Series Metal Field Enclosure 8

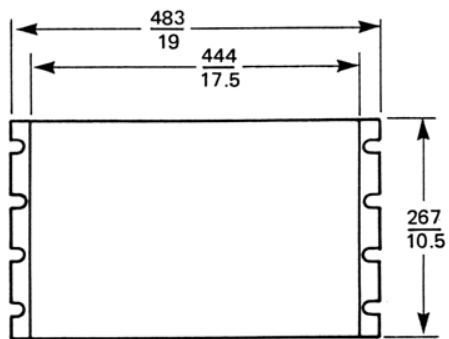
Construction

- 1X8 MOUNTING STRUCTURE
(Case) Molded structural foam
- 1X8 FBM MOUNTING STRUCTURE
(Case) Molded structural foam and sheet metal

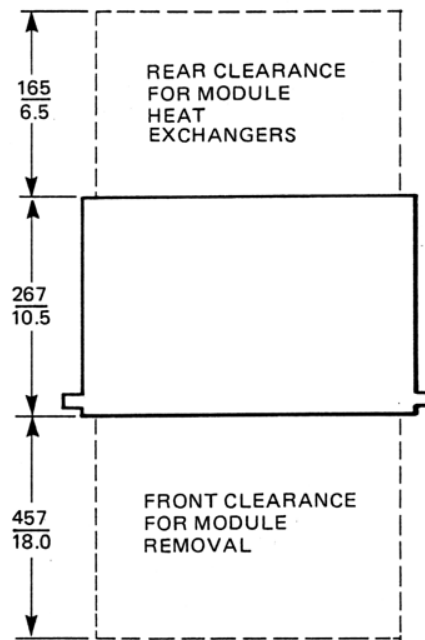
Mass (Fully loaded)

- 36.2 kg (80 lb), Each structure

DIMENSIONS-NOMINAL



FRONT VIEW



TOP VIEW

 $\frac{\text{mm}}{\text{in}}$

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