



FPT4 Series Flush Poke Through

SECTION 260533: RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

PRODUCT SPECIFICATION: FPT4 Series Flush Poke Through

SECTION 1: GENERAL

1.1 SCOPE

This specification covers a poke through service fitting for use in a 4" hole. The poke through includes flush-mounted power and/or communications devices.

Considerations when writing specifications: Fire-rated poke-through service fittings are special purpose devices that are furnished as an integral unit, consisting of a cover, poke-through body and outlet box. They are classified for fire resistance by Underwriters Laboratories when installed in accordance with installation instructions provided with the product. When properly classified and used, they will not reduce the fire rating of concrete or steel and concrete floors that have fire resistance ratings as classified by the Fire Resistance Directory of Underwriters Laboratories. Poke-through service fittings provide service for both power and communications needs.

1.2 CLASSIFICATIONS

The device meets the requirements of UL 514A.

UL File Number: E2969

UL Fire Resistance Directory: R9140

Fire Rating:

- For use in 1, 1-1/2 & 2-hour rated floors
- 2-1/4" minimum concrete over steel decking
- 3" minimum concrete for reinforced slab
- 7-1/2" maximum concrete thickness.



SECTION 2: PRODUCTS

2.1 MANUFACTURER

The poke through service fitting shall be manufactured by Thomas & Betts.

2.2 DESIGN & MATERIALS

Base Unit:

- Main body shall consist of a die cast zinc mounting frame, intumescent fire-stop block, stainless steel retainer clips, galvanized steel bottom plate, and cast iron conduit hubs.
- *FPT-4P-4C Series*
 - Must accommodate (4) 20A receptacles on 2 circuits, each circuit can be wired as isolated ground.
 - Must accommodate up to (4) communications devices.
 - Separation of services must be maintained throughout
 - Integral 1/2" hub for power wiring and an integral 1" hub for communications cabling.
- *FPT4-2P-6C Series*
 - Must accommodate (2) 20A receptacles on the same circuit, the circuit can be wired as isolated ground.
 - Must accommodate up to (6) communications devices.
 - Separation of services must be maintained throughout
 - Integral 1/2" hub for power wiring and an optional 1" hub for communications cabling.
- *FPT4-8C Series*
 - Must accommodate up to (8) communications devices.
 - Optional 1-1/4" hub for communications cabling
- *FPT4-1TL-2C Series*
 - Must accommodate (1) locking receptacle (20A-125V, 20A-250V, 30A-125V or 30A-250V)
 - Must accommodate up to (2) communications devices.
 - Separation of services must be maintained throughout
 - Integral 1/2" hub for power wiring and an optional 1/2" hub for communications cabling.

Cover:

- Both the flange and the lid shall be constructed of solid brass or aluminum.
- Brass & aluminum covers shall have a brushed and lacquered finish



- Optional powder coat finishes shall be available for aluminum covers.
- The cover must meet UL scrubwater exclusion requirements for carpet, tile, and wood floors.
- The lid must latch securely without locking screws.
- Catalog Number: FPT4-CVR-xxx
 - Solid Brass, Brushed: xxx = BRS
 - Solid Aluminum, Brushed: xxx = ALM
 - Black Powder-Coated Aluminum: xxx = BLK
 - Brown Powder-Coated Aluminum: xxx = BRN
 - Beige Powder-Coated Aluminum: xxx=BGE
 - Gray Powder-Coated Aluminum: xxx=GRY

Communication Device Plates:

- Communication device plates shall be constructed of galvanized steel and shall be powder-coated black
- Plates shall be available to accommodate specialty communications devices from common manufacturers
- All plates shall be removable through the top of the poke-through without exposing power compartment(s).

Junction Box:

- The box shall be constructed of 0.062" minimum thickness galvanized steel.
- The box shall have a capacity of 27 cubic inches
- The box shall be connected to the body with a 6" piece of 1/2" EMT conduit.
- The box shall be factory-installed and shall drop through the 4" core-drilled hole during installation.
 - *Not included on FPT4-8C Series*

SECTION 3: INSTALLATION

Installation procedures shall comply with the instruction sheets provided by Thomas & Betts as well as the National Electric Code.

FPT4 Series shall be installed in a single 4" core-drilled hole.

Note: Minimum spacing of 2 feet on center and not more than one unit per each 65 square feet of floor area in each span. Required by UL Fire Resistance Directory.

