Apter Power

EcoStruxure™

Foxboro™ DCS

Field Control Processor 280 (FCP280)

PSS 41H-1FCP280

Product Specification

April 2025

Schneider Electric™

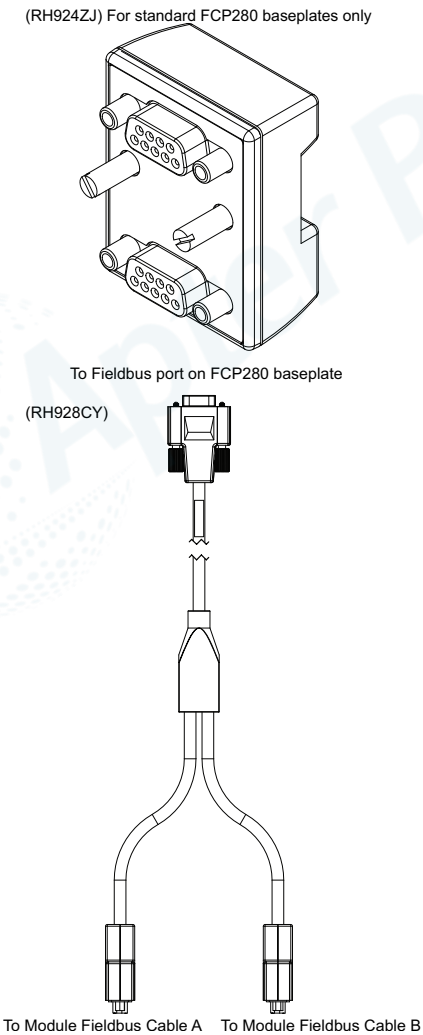
https://www.se.com

- The Fieldbus Baseplate Terminator (P0916RB) is used to terminate either the CP end of the HDLC fieldbus or the last 200 Series baseplate in the daisy chain when Time Strobe or split A/B fieldbus cables are not required.

Figure 6 - Fieldbus Baseplate Terminator (P0916RB)

- For standard baseplates only, Fieldbus Baseplate Terminator/Splitter (RH924ZJ for Fieldbus port 1, or RH928CY for the Fieldbus port on a standard FCP280 baseplate) allows splitting of the A and B Module Fieldbus signals into different cables. This splitter can be used to interconnect optional redundant cables between FCP280 baseplates and 200 Series baseplates. It can also be used to terminate both the fieldbus and time strobe signals.

Figure 7 - Fieldbus Baseplate Terminator/Splitters - for FCP280 Baseplates



FCP280 Physical Specifications

Configuration	Single processor module. The fault-tolerant version consists of two processor modules, with an interconnecting fault-tolerant connector integral to the baseplate.
Mounting	May be placed in device specific 2-position baseplates designed for horizontal or vertical mounting — see FCP280 Baseplates, page 14. For the fault-tolerant FCP280, the two modules must be mounted in dedicated slots to allow for interconnecting fault-tolerant communication.
Dimensions: Module	• Height: 105 mm (4.13 in) or 116 mm (4.7 in) including mounting lugs • Width: 51.8 mm (2.04 in) • Depth: 147 mm (5.79 in)
Weight (Maximum)	0.8 kg (1.76 lb) for a single, non-fault-tolerant module.
Part Number	• FCP280: RH924YA • FCP280 Horizontal-Mounted Baseplate: RH924YL • FCP280 Vertical-Mounted Baseplate: RH924YF • FCP280 Dual Cable Baseplate: (Horizontal or Vertical mount) RH100JX • Fiber Adapter: RH924WA • Copper Adapter: RH924UQ • Splitter Adapters: ◦ Twinaxial Fieldbus Splitter: RH928CV ◦ Redundant Module Fieldbus Cable Adapter: RH924ZJ - For use when the FCP280 is in the middle of a 200 Series baseplate chain RH928CY - Enables the use of redundant module Fieldbus cables between baseplates to split and terminate the Modular Fieldbus and optional time strobe signals ◦ Time Strobe Adapter: RH924ZQ
Ethernet Switch to FCP280 Cabling	Cabling Connectors: • Fiber Adapter: Two ceramic type LC connectors on one end (for network adapters) with an MT-RJ connector on the other end (for switch) • Copper Adapter: RJ-45 connectors on both ends Fiber Optic Cable: • Cable Material: Multimode fiber (MMF) 62.5/125 µm plenum • Cable Lengths: Up to 50 m (164 ft) – Schneider Electric supplied. See “Network Cabling for FCP280 Network Adapters” in *Field Control Processor 280 (FCP280) User’s Guide* (B0700FW) for the appropriate specifications of allowed fiber optic cabling. Greater than 50 m – user supplied.