



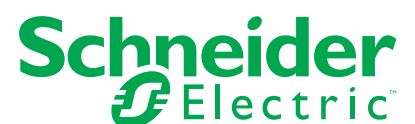
Foxboro™ DCS

Field Control Processor 280 (FCP280)

PSS 41H-1FCP280

Product Specification

October 2020



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	<p>May be placed in device specific 2-position baseplates designed for horizontal or vertical mounting — see <i>FCP280 Baseplates</i>, page 13.</p> <p>For the fault-tolerant FCP280, the two modules must be mounted in dedicated slots to allow for interconnecting fault-tolerant communication.</p>
Dimensions: Module	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ◦ 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	<p>Cabling Connectors:</p> <ul style="list-style-type: none"> • 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 <p>Fiber Optic Cable:</p> <ul style="list-style-type: none"> • 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 <i>Field Control Processor 280 (FCP280) User’s Guide</i> (B0700FW) for the appropriate specifications of allowed fiber optic cabling. Greater than 50 m – user supplied.