Mini-Com® Power Connector Module

specifications

The Mini-Com Power Connector Module shall be a screw-down type connector for copper conductors only, designed for use with 12–26 AWG two conductors cable consisting of (1) A-wire, and (1) B-wire. It shall be best to use cable recommended by the device manufacturer and follow their installation instructions. This connector module shall be Class 4 certified, and compatible with Class 4 power systems such as the Panduit Fault Managed Power System (FMPS).

technical information

AWG conductor:	26 AWG min/12 AWG max
Nominal current rating:	10 A
Contact resistance:	≤5 mOhms
Voltage rating:	450 V max
Electric shock protection to DIN VDE 0470:	IP 20 (safe from finger touch)
Stripping In. (mm):	0.37" (9.55mm)
Wire end ferrule, DIN 46 228/1:	0.2mm² min/2.5mm² max
Clamping screw:	M 2.5
Tightening torque:	0.4 Nm min/0.5 Nm max
Pitch In. (mm):	0.2" (5.08mm)
Colors:	Connector (Plug and Socket) — Green
	Module — Black

Mini-Com Power Connector Module	
Green with black module:	PXM1ARGRBL
Opticom® Patch Panel with Mini-Com Module (Recommended for Headend Patching)	
Opti-com Patch Panel:	CFAPPBL1
6-port module:	FMP6
Panzone Consolidation Point Box	
6-port:	CPB6BL
12-port:	CPB12BL
Mini-Com Surface Mount Box	
4-port:	CBX4BL-AY
6-port:	CBXF6BL-AY
12-port:	CBXF6BL-AY
Insulated Ferrules — Single Wire DIN End Sleeve	
18 AWG:	FSD76-8-D
16 AWG:	FSD78-6-D
14 AWG:	FSD80-8-D
12 AWG:	FSD81-10-D
Ferrule Crimping Tools	
Ferrule end sleeve:	CT-1123

key features and benefits

Modularity:	Modules snap in and out of all Mini-Com consolidation point boxes, modular patch panels, and surface mount boxes for fast moves, adds, and changes
Screw terminals:	No punchdown tool required; terminates with screwdriver (SD 0.6 x 3.5 DIN 5264)
Applications:	Fault Managed Power (Class 4) installs
	Low voltage pass through (Class 2)
Zone application:	Provides a common demarcation point for Fault Managed Power (Class 4) and low voltage power (Class 2) for installations
Connector (Plug and Socket):	Ease of connection and disconnection of power gives the ability to segment networks

applications

The Mini-Com Power Connector Module supports deployment of the Panduit Fault Managed Power System (Class 4) and low voltage system wiring within the IT network pathways. The module creates a demarcation point for the Class 2 or Class 4 power cabling to be "patched" along with other building networks (DAS, Ethernet, Video, Audio) within the Headend, MDF, or IDF closet from the Transmitter or Class 2 power source out to the endpoints. This allows for a smooth transition to Receivers or Class 2 powered devices as they are deployed. The Mini-Com Power Connector Module easily integrates with other Panduit offerings such as Class 4 cabling, jack modules, and copper and fiber cabling systems to leverage a common network infrastructure.

electrical performance

Parameters	Performance
Nominal Current Rating	10 A
Volume Resistance	≤5 mOhms
Voltage	450 V Max
Cable Gauge	12–26 AWG

mini-com power connector module

0.62 [15.9]

0.74 [18.7]

1.93 [49.0]

1.37 [34.7]
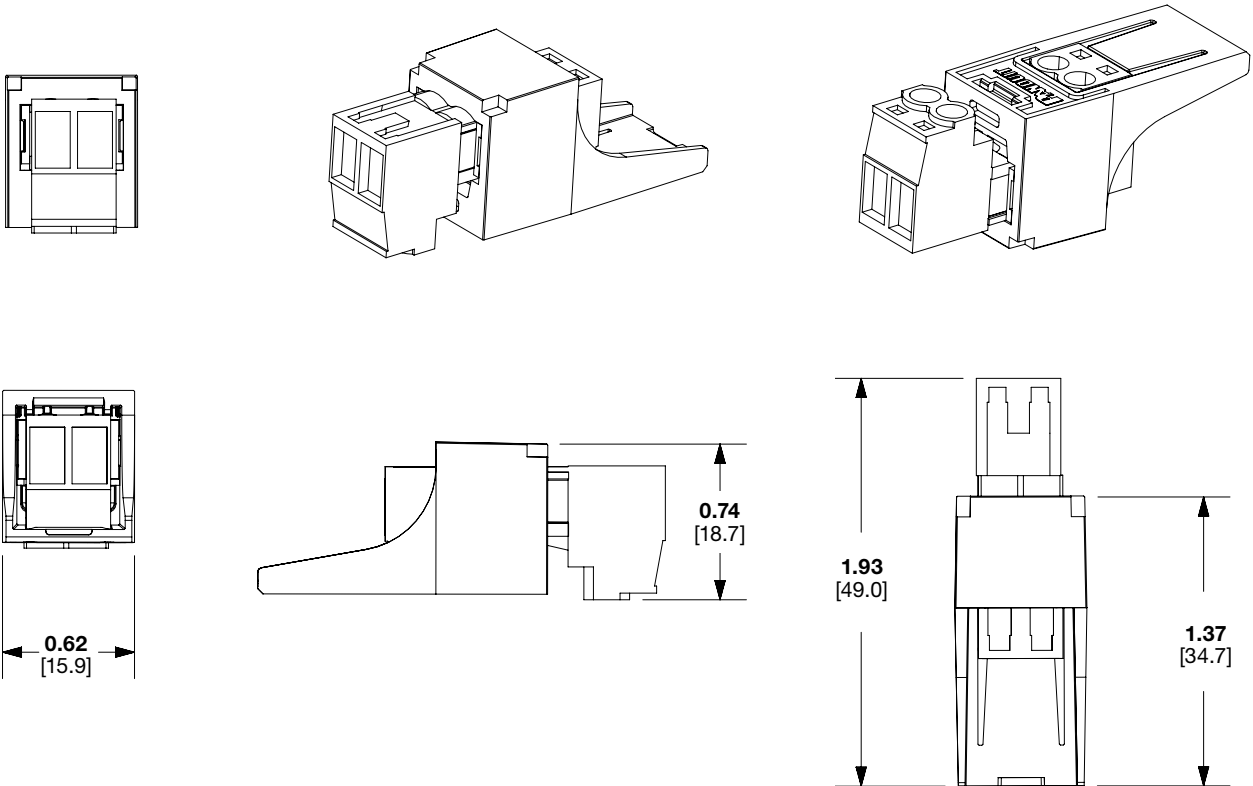
Dimensions are in inches. [Dimensions in **brackets** are metric].

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