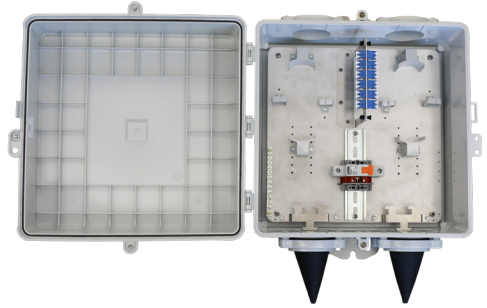


Hybrid Fiber/Power UCS Terminal



Features & Benefits

- Developed for DC power and fiber cable transitions to Wireless antennas
- DIN rail mounted terminals, LGX fiber bulkhead
- Overvoltage protection available (circuit breaker)
- Includes industrial grade negative, positive, and ground terminals
- 14 to 4 AWG compatible
- Multiple circuit configurations, bridgeable terminal blocks for power distribution
- Ample fiber slack storage capacity
- Field proven UCS enclosure capable of NEMA 4 performance
- Door has push-to-latch, locking hasp & 216-tool security bolt (3)
- Cone grommets (2) accommodate a wide range of cable sizes
- Rugged stainless steel brackets included for panel or pole mounting



Overview

The PPC Hybrid Fiber/Power UCS Terminal is designed for wireless and other DC powered equipment applications with fiber connectivity. The ruggedized enclosure is designed to perform in harsh environments. The fiber bulkhead in LGX format provides end users flexibility for the fiber connections. Multiple circuit configurations are available, with optional overvoltage protection via circuit breakers. For most configurations, the terminal blocks are bridgeable, allowing for distribution of large gauge power wire to smaller gauge power wires.

Configurations

PPC Part Number	# of Fibers	# of Circuits	Power Distribution Capable	Overvoltage Protection
UCS-HS12D01A1W0	12 (6 DLC)	1	N/A	10 A Breaker
UCS-HS12D02A0W0	12 (6 DLC)	2	Yes	No
UCS-HS12D03A0W0	12 (6 DLC)	3	Yes	No
UCS-HS12D03A1W0	12 (6 DLC)	3	Yes	10 A Breaker (3)
UCS-HS24D04A0W0	24 (12 DLC)	4	Yes	No
UCS-HS24D06A2W0	24 (12 DLC)	6 (6 AWG max)	No (pass-through only)	No

Hybrid Fiber/Power UCS Terminal



Technical Data

Specification	Value
Dimensions (WxHxD)	Enclosure Only 14.0 in x 14.0 in x 8.0 in (356 mm x 356 mm x 203 mm)
	Overall (with brackets) 16.7 in x 19.0 in x 9.6 in (424 mm x 483 mm x 244 mm)
Weight	10.8 lbs (4.9 kg)
Materials	UL94 5VA PBT/PC blend thermoplastic enclosure, stainless steel mounting brackets
Operating Temperature	-31°F (-35°C) to 158°F (70°C)
Safety	Enclosure materials and components individually UL Listed
Ingress Protection	Capable of NEMA 4 performance
Cone Grommet Range	Ø .28 in (7 mm) to 1.73 in (44 mm)
Fiber Bulkhead	LGX Footprint, Dual LC UPC Couplers (Blue)
Terminal Block Conductors	14 to 4 AWG (1.5 mm ² to 25 mm ²) solid or stranded, bare or tinned copper; high-strand-count flexible wire may require a ferrule; aluminum wire must be solid
Rated Voltage	Terminal Block: 690 V
	Circuit Breaker: 277 VAC / 60 VDC
	Ground Bar: 2000 V
Maximum Current	Terminal Block: 89.5 A (6-circuit pass-through limited to 69 A)
	Terminal Block Bridge: 76 A
	Circuit Breaker: 10 A Trip (D Curve) – other Amp ratings/trip curves available
	Breaker Bridge: 80 A
	Ground Bar: 85 A (copper wire), 70 A (aluminum wire)

Ordering Information

Part Number	Description
UCS-HS12D01A1W0	Terminal, Hybrid, Single UCS, 12-Fiber LGX Bulkhead (6 DLC UPC), 1-Circuit, Overvoltage Protection: 10 A Circuit Breaker
UCS-HS12D02A0W0	Terminal, Hybrid, Single UCS, 12-Fiber LGX Bulkhead (6 DLC UPC), 2-Circuit, Power Distribution Capable
UCS-HS12D03A0W0	Terminal, Hybrid, Single UCS, 12-Fiber LGX Bulkhead (6 DLC UPC), 3-Circuit, Power Distribution Capable
UCS-HS12D03A1W0	Terminal, Hybrid, Single UCS, 12-Fiber LGX Bulkhead (6 DLC UPC), 3-Circuit, Power Distribution Capable, Overvoltage Protection: 10 A Circuit Breaker
UCS-HS24D04A0W0	Terminal, Hybrid, Single UCS, 24-Fiber LGX Bulkhead (12 DLC UPC), 4-Circuit, Power Distribution Capable
UCS-HS24D06A2W0	Terminal, Hybrid, Single UCS, 24-Fiber LGX Bulkhead (12 DLC UPC), 6-Circuit (6 AWG Max, Pass-Through Power Only)

r2_02272024