



Best in Class Outlet Density

Optimal Form Factors

Superior Reliability

smartzone™ **G5**

iPDU Pocket Guide

NORTH AMERICA

PANDUIT®

infrastructure for a connected world



Quality & Reliability

3-Year standard & 5-Year extended warranty.



High Temp

Built with high-temperature grade premium components to withstand 60°C high temperature at full load for extended period to provide high quality and reliability.



High Density Power

Unique outlets design for high power density & compact form-factors minimizing cabinet space.



HotSwappable & Upgradable

Hot-Swappable Controller with large OLED display and high contrast ratio.



Hardened Security

Enhanced security w/ (SNMPv3 & RESTful/TLS) with certificate-based advanced asymmetric encryption, validated and hardened with multiple security scanning tools.



1G Redundant Network Access

High Networking speed (1G) and with Redundant Network Access (RNA) for connectivity redundancy or for allowing separate Colo/Tenant Network connectivity.



Real-Time Monitor

Real-time Monitoring of Power, Environmental & Physical Access Security.



Environmental Plug and Play Sensors

Variety of Plug and Play Environment & Access Security accessories thru U-Ports.



Multi-Device WebGUI

Enhanced User-Experience w/ BYOD WebGUI & colored PDU, cords & cable ties.



Multi-Color

A variety of colored PDU chassis, power cords & cable ties.

Monitored Input (MI Series)

Rack PDUs that have the ability for aggregate power monitoring to quickly identify potential power issues, and reclaim available or under-utilized power capacity.

Monitored Switched (MS Series)

Rack PDUs that have the ability for aggregate power monitoring and outlet level switching capabilities for individual outlets or a group of outlets. Enabling power sequencing, rebooting equipment or restrict unauthorized use of individual outlets.

Monitored Per Outlet (MPO Series)

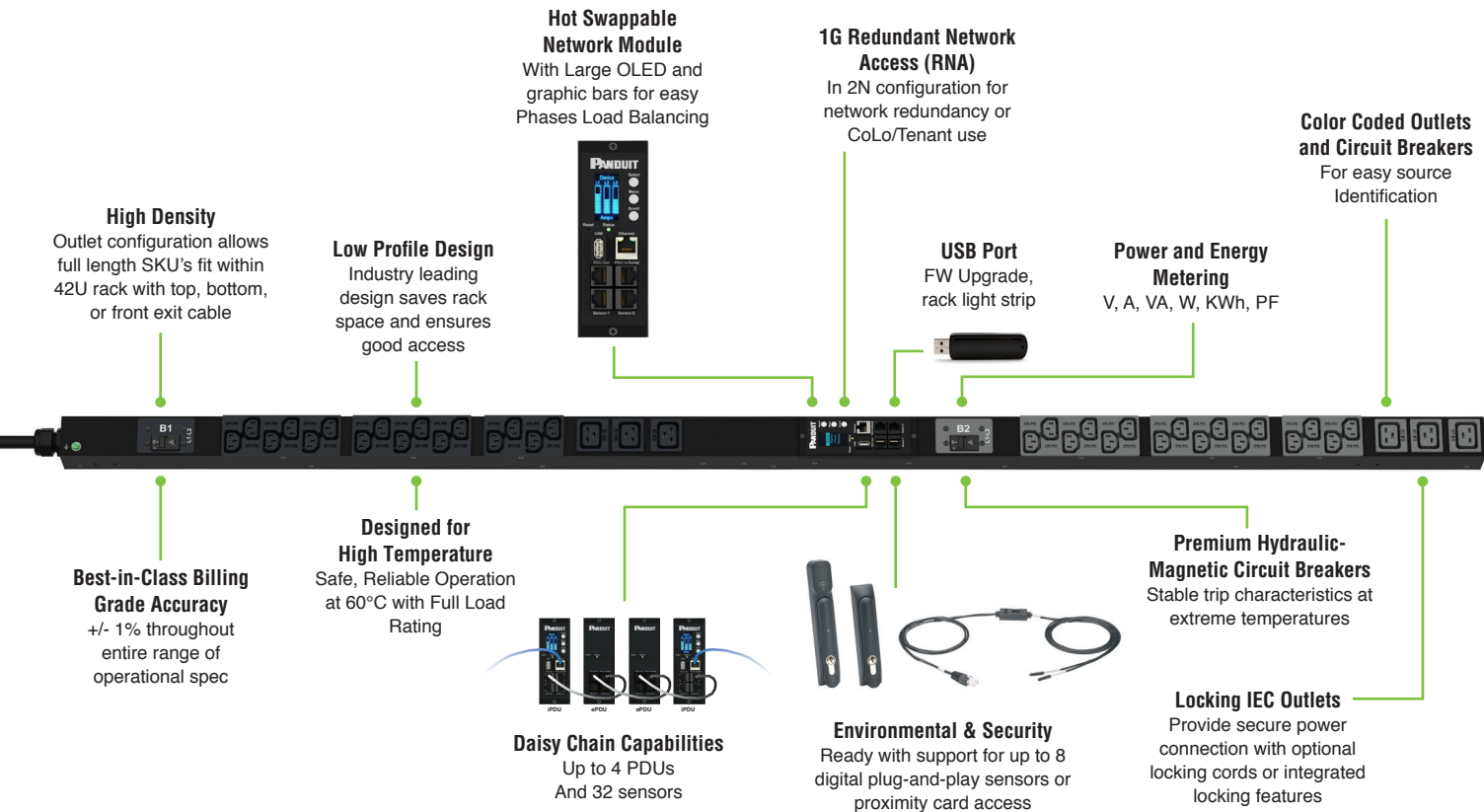
Rack PDUs that have the ability for outlet level power monitoring to quickly identify potential power issues, and reclaim available or under-utilized power capacity at the outlet level enabling the redeployment or decommissioning of individual servers to reclaim available or under-utilized power capacity.

Monitored and Switched Per Outlet (MSPO Series)

Rack PDUs that have the ability for outlet level power monitoring and outlet level switching capabilities for individual outlets or a group of outlets. Power monitoring at the individual outlet level provides actionable management data on the power consumption of each connected IT device enabling the redeployment or decommissioning of individual servers to reclaim available or under-utilized power capacity.

Accessories

Offering a variety of Environmental Sensors; Security Devices; and Power Cords.



Product Features

Product Features

Design Features

- Low profile, space saving design
- Ultra low profile circuit breakers on most models
- Adjustable tool-less mounting system
- Color-coded receptacles
- Locking IEC receptacles and locking power cord compatible
- Field rewirable input cord for front or top mounting

PDU Energy Metering and Monitoring

- PDU level watt-hour energy metering (kWh)
- PDU level power measurements (W)
- Input Phase level power measurements (V, A, VA, kWh, pf)
- Circuit breaker level current measurements
- High-accuracy, billing-grade metering capabilities
- Embedded memory log to record/view/report historical data
- User customizable alarm thresholds & notifications

Outlet Level Switching

- Remote On/Off power control by individual outlet
- User-defined power-on time delay to sequence IT equipment
- Automatic sequencing to avoid inrush current overload
- Outlet level user security with assignable roles and user access

Outlet Level Energy Metering

- Outlet level watt-hour energy metering (kWh)
- Outlet level power measurements (V,A,VA, W, pf)
- Outlet level information for Green Grid Level 3 PUE Calculations

Environmental & Security Management

- Optional Plug & Play environmental sensors including temperature, humidity, dry contact and water leak
- User customizable alarm thresholds and notifications

Physical Security Management

- Rack access monitoring with door contact switch
- User customizable alarm thresholds and notifications
- Dry Contact accessory to activate strobe, beacon, or fan

Network Management and Local Display Interface

- Largest-in-class, high-visibility, OLED display
- Full featured network management and alerting capabilities supporting HTTP, HTTPS, SSH, Telnet, SNMP, FTP and email
- Strong encryption, passwords, and advanced authorization options including local permissions, LDAP/S, and Active Directory
- Daisy Chain up to 4 Rack PDUs and 32 environmental sensors through a single IP address

Circuit Breaker Status and Branch Circuit Monitoring

- Active monitoring and alarming of circuit breaker on/off status

Monitored Input (MI)	Monitored Switched (MS)	Monitored per Outlet (MPO)	Monitored & Switched per Outlet (MSP0)
•	•	•	•
•	•	•	•
	•		•
		•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•

Monitored Input (MI Series)

100-240VAC, 1-Phase	Input Current per phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count
	15	1U	5-15P	1.4	8
	20	1U	5-20P	1.9	8
	20	1U	L5-20P	1.9	8
	20	1U	L6-20P	3.3	12
	50	1U	CS8265C	8.3	6
	30	2U	L5-30P	2.9	16
	30	2U	L6-30P	5.0	16
	15	0U HALF	5-15P	1.4	16
	20	0U HALF	5-20P	1.9	16
	20	0U HALF	L5-20P	1.9	16
	20	0U MID	L6-20P	3.3	24
	30	0U MID	L5-30P	2.9	24
	30	0U MID	L6-30P	5.0	24
	30	0U FULL	L6-30P	5.0	38
	50	0U FULL	CS8265C	8.3	36

Outlet Configuration	Height (inches)	Width (inches)	Depth (inches) at Outlet position	Panduit SKU Part No.
 (8)5-20R	1.7	17.5	10.6	P08D09M
 (8)5-20R	1.7	17.5	10.6	P08D10M
 (8)5-20R	1.7	17.5	10.6	P08D11M
 (12)C13	1.7	17.5	10.6	P12D13M
 (6)C19	1.7	17.5	10.6	P06D15M
 (16)5-20R	3.4	17.5	10.6	P16D12M
 (12)C13,  (4)C19	3.4	17.5	10.6	P16D14M
 (16)5-20R	32.2	2.0	2.1	P16D20M
 (16)5-20R	32.2	2.0	2.1	P16D21M
 (16)5-20R	32.2	2.0	2.1	P16D22M
 (20)C13,  (4)C19	58.7	2.0	2.1	P24D24M
 (24)5-20R	58.7	2.0	2.1	P24D23M
 (20)C13,  (4)C19	58.7	2.0	2.1	P24D07M
 (32)C13,  (6)C19	68.9	2.0	2.1	P38D25M
 (30)C13,  (6)C19	68.9	2.0	2.1	P36D26M

Monitored Input (MI Series)

208VAC, 3-Phase	Input Current per phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count
	30	1U	L15-30P	8.6	6
	30	1U	L21-30P	8.6	6
	50	1U	CS8365C	14.4	6
	60	1U	IEC 60309-460P9	17.3	6
	30	0U MID	L15-30P	8.6	24
	30	0U MID	L21-30P	8.6	24
	30	0U FULL	L21-30P	8.6	30
	30	0U FULL	L15-30P	8.6	36
	30	0U FULL	L21-30P	8.6	38
	50	0U FULL	CS8365C	10.0	36
	50	0U FULL	CS8365C	14.4	24
	60	0U FULL	IEC 60309-460P9	17.3	24
	50	0U HALF - 2 sided	CS8365C	14.4	24
	60	0U HALF - 2 sided	IEC 60309-460P9	17.3	24
	50	0U FULL - 2 sided	CS8365C	14.4	48
	60	0U FULL - 2 sided	IEC 60309-460P9	17.3	48

Outlet Configuration	Height (inches)	Width (inches)	Depth (inches) at Outlet position	Panduit SKU Part No.
 (6)C19	1.7	17.5	10.6	P06D16M
 (6)C19	1.7	17.5	10.6	P06D17M
 (6)C19	1.7	17.5	10.6	P06D18M
 (6)C19	1.7	17.5	10.6	P06D19M
 (18)C13,  (6)C19	58.7	2.0	2.1	P24D27M
 (18)C13,  (6)C19	58.7	2.0	2.1	P24D01M
 (18)C13,  (6)C19,  (5)5-20R	68.9	2.0	2.1	P30D02M
 (30)C13,  (6)C19	68.9	2.0	2.1	P36D08M
 (30)C13,  (6)C19,  (2)5-20R	68.9	2.0	2.1	P38D28M
 (30)C13,  (6)C19	68.9	2.0	2.1	P36D29M
 (12)C13,  (12)C19	68.9	2.0	2.1	P24D31M
 (12)C13,  (12)C19	68.9	2.0	2.1	P24D34M
 (18)C13,  (6)C19	36.0	2.0	4.4	P24D30M
 (18)C13,  (6)C19	36.0	2.0	4.4	P24D33M
 (36)C13,  (12)C19	71.7	2.0	4.4	P48D32M
 (36)C13,  (12)C19	71.7	2.0	4.4	P48D35M

Monitored Switched (MS Series)

	Input Current per phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Height (inches)	Width (inches)	Depth (inches) at Outlet position	Panduit SKU Part No.
100-240VAC, 1-Phase	15	1U	5-15P	1.4	8	(8)5-20R	1.7	17.5	10.6	P08E14M
	20	1U	5-20P	1.9	8	(8)5-20R	1.7	17.5	10.6	P08E15M
	20	1U	L5-20P	1.9	8	(8)5-20R	1.7	17.5	10.6	P08E16M
	20	1U	L6-20P	3.3	8	(8)C13	1.7	17.5	10.6	P08E18M
	30	2U	L5-30P	2.9	16	(16)5-20R	3.4	17.5	10.6	P16E17M
	30	2U	L6-30P	5.0	16	(12)C13, (4)C19	3.4	17.5	10.6	P16E19M
	15	0U HALF	5-15P	1.4	12	(12)5-20R	36.1	2.0	2.1	P12E20M
	20	0U HALF	5-20P	1.9	12	(12)5-20R	36.1	2.0	2.1	P12E21M
	20	0U HALF	L5-20P	1.9	12	(12)5-20R	36.1	2.0	2.1	P12E22M
	20	0U HALF	L6-20P	3.3	16	(12)C13, (4)C19	36.1	2.0	2.1	P16E24M
	30	0U MID	L5-30P	2.9	18	(18)5-20R	58.7	2.0	2.1	P18E23M
	30	0U FULL	L6-30P	5.0	24	(20)C13, (4)C19	68.9	2.0	2.1	P24E28M
	30	0U FULL	L6-30P	5.0	36	(30)C13, (6)C19	68.9	2.0	2.1	P36E33M
208VAC, 3-Phase	30	0U FULL	L15-30P	8.6	24	(18)C13, (6)C19	68.9	2.0	2.1	P24E29M
	30	0U FULL	L15-30P	8.6	36	(30)C13, (6)C19	68.9	2.0	2.1	P36E34M
	30	0U FULL	L21-30P	8.6	24	(18)C13, (6)C19	68.9	2.0	2.1	P24E30M
	30	0U FULL	L21-30P	8.6	36	(30)C13, (6)C19	68.9	2.0	2.1	P36E35M
	50	0U FULL	CS8365C	14.4	24	(12)C13, (12)C19	68.9	2.0	2.1	P24E31M
	50	0U FULL	CS8365C	10.0	36	(30)C13, (6)C19	68.9	2.0	2.1	P36E12M
	60	0U FULL	IEC 60309-460P9	17.3	24	(12)C13, (12)C19	68.9	2.0	2.1	P24E32M
	60	0U FULL - 2 sided	IEC 60309-460P9	17.3	48	(36)C13, (12)C19	71.7	2.0	4.4	P48E13M

Monitored Per Outlet (MPO Series)

	Input Current per phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count
100-240VAC, 1-Phase	30	0U FULL	NEMA L6-30P	5.0	24
	30	0U FULL	NEMA L6-30P	5.0	36
208VAC, 3-Phase	30	0U FULL	NEMA L15-30P	8.6	24
	30	0U FULL	NEMA L21-30P	8.6	24
	30	0U FULL	NEMA L15-30P	8.6	36
	30	0U FULL	NEMA L21-30P	8.6	36
	50	0U FULL	Hubbell CS8365C	14.4	24
	50	0U FULL	Hubbell CS8365C	10.0	36
	60	0U FULL	IEC 60309 3P+E 9h 60A	17.3	24
	60	0U FULL - 2 sided	IEC 60309 3P+E 9h 60A	17.3	48

Outlet Configuration	Height (inches)	Width (inches)	Depth (inches) at Outlet position	Panduit SKU Part No.
☺ (20)C13, ☹ (4)C19	68.9	2.0	2.1	P24F01M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36F15M
☺ (18)C13, ☹ (6)C19	68.9	2.0	2.1	P24F02M
☺ (18)C13, ☹ (6)C19	68.9	2.0	2.1	P24F03M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36F16M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36F17M
☺ (12)C13, ☹ (12)C19	68.9	2.0	2.1	P24F04M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36F18M
☺ (12)C13, ☹ (12)C19	68.9	2.0	2.1	P24F05M
☺ (36)C13, ☹ (12)C19	71.7	2.0	4.4	P48F19M

Monitored & Switched Per Outlet (MSPO Series)

100-240VAC, 1-Phase	30	0U FULL	L6-30P	5.0	24
	30	0U FULL	L6-30P	5.0	36
208VAC, 3-Phase	30	0U FULL	L15-30P	8.6	24
	30	0U FULL	L15-30P	8.6	36
	30	0U FULL	L21-30P	8.6	24
	30	0U FULL	L21-30P	8.6	36
	50	0U FULL	CS8365C	14.4	24
	50	0U FULL	CS8365C	10.0	36
	60	0U FULL	IEC 60309-460P9	17.3	24
	60	0U FULL - 2 sided	IEC 60309-460P9	17.3	48

☺ (20)C13, ☹ (4)C19	68.9	2.0	2.1	P24G01M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36G18M
☺ (18)C13, ☹ (6)C19	68.9	2.0	2.1	P24G02M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36G22M
☺ (18)C13, ☹ (6)C19	68.9	2.0	2.1	P24G03M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36G19M
☺ (12)C13, ☹ (12)C19	68.9	2.0	2.1	P24G04M
☺ (30)C13, ☹ (6)C19	68.9	2.0	2.1	P36G20M
☺ (12)C13, ☹ (12)C19	68.9	2.0	2.1	P24G05M
☺ (36)C13, ☹ (12)C19	71.7	2.0	4.4	P48G21M

Accessories

W-Lock & V-Lock Compatible Locking Power Cords (UL, CE, VDE, TUV Approved)

Color	Description	Rated	Gauge / Cross Section Area	Jacket	Connector Angle
Red	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Red	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Red	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Red	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Blue	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Blue	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Blue	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Blue	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Black	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Black	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Black	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight
Black	IEC C14 to IEC C13	10A/250V	17AWG / 1.0mm ²	SJT/H05VV-F	Straight

Red	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Red	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Red	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Red	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Blue	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Blue	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Blue	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Blue	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Black	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Black	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Black	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight
Black	IEC C20 to IEC C19	16A/250V	15AWG / 1.5mm ²	SJT/H05VV-F	Straight

Length (feet)
Panduit Part No. (1 pc)
Panduit Part No. (10 pk)

2	LPCA01	LPCA01X
3	LPCA02	LPCA02X
4	LPCA03	LPCA03X
6	LPCA04	LPCA04X
2	LPCA06	LPCA06X
3	LPCA07	LPCA07X
4	LPCA08	LPCA08X
6	LPCA09	LPCA09X
2	LPCA11	LPCA11X
3	LPCA12	LPCA12X
4	LPCA13	LPCA13X
6	LPCA14	LPCA14X

Locking Cable Images C14 to C13



C14

C13



C14

C13



C14

C13

Locking Cable Images IEC C20 to IEC C19



IEC C20

IEC C19



IEC C20

IEC C19



IEC C20

IEC C19

Environmental Sensors

Description:	Dimensions L x W x H (in)	Length (ft)	Panduit Part No.
Temperature Sensor	1.73x0.83x.43	6.56	EA001
Temperature + Humidity Sensor	1.73x0.83x.43	6.56	EB001
3 Temperature + Humidity Sensor	1.73x0.83x.43	6.56	EC001
Water - Rope	2.36x2.36x0.87	6.56	ED001
Water- Spot	2.36x2.36x0.87	16.40	EE001
3 Sensor Hub	3.35x1.26x1.06	n/a	EF001
Water - Rope extension		6.56	EG001



EA001



EB001



EC001



ED001



EE001



EF001



EG001

Security

Description:	Dimensions L x W x H (in)	Length (ft)	Panduit Part No.
Door Switch (magnetic 2 piece)	1.73x0.83x0.43 (1.14x0.67x0.28 for magnet)	3.28	ACA01
Access hub for handle (cold & hot aisle selectable)	3.74x1.46x1.14	n/a	ACB01
Access hub harness cold aisle (ACE02)	n/a	9.84	ACB02
Access hub harness hot aisle (ACE02)	n/a	8.53	ACB03
Access hub harness cold aisle (ACE01)	n/a	9.84	ACB04
Access hub harness hot aisle (ACE01)	n/a	8.53	ACB05
Dry Contact Input	1.73x0.83x0.43	5.91	ACC01
USB Light Strip	15.04	n/a	ACD01
Swinghandle No Card Reader	n/a	n/a	ACE01
Swinghandle With Card Reader (125kHz)	n/a	n/a	ACE02
Swinghandle With Card Reader (13.5MHz)	n/a	n/a	ACE03



ACA01



ACB01



ACB02



ACB03



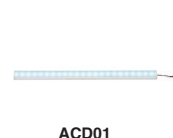
ACB04



ACB05



ACC01



ACD01



ACE01



ACE02



ACE03

Complete Warranty & Compliance information can be found at www.panduit.com
Customer Service: cs@panduit.com or 800.777.3300
Technical Support: techsupport@panduit.com or 866.405.6654



©2017 Panduit Corp. ALL RIGHTS RESERVED.
PUCB10--SA-ENG 12/2017