

Faster.  
Easier.  
Better.



## Enclosure Power Distribution Units (PDUs) (continued)



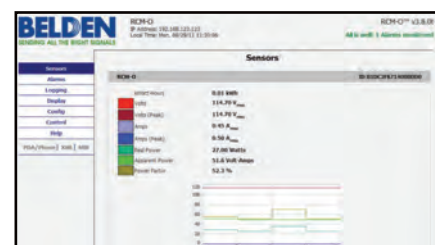
### PDU Selection: Basic, with Local Monitoring and Intelligent

- PDU mounted display option for local current or power monitoring, making phase balancing easier (the PDU itself is not phase balancing)

### Intelligent PDU Options and Features

- Remote aggregate, circuit or receptacle power monitoring for granular PUE measurement
- Switched (on/off) options allow remote outlet management and equipment reboot with sequential delay features; avoid power interruption due to inrush current, equipment start up in desired sequence

- Highly secure access with admin, control and view-only accounts
- Intuitive Ethernet-based firmware with email alarm or SNMP trap features prevents downtime with early notification of power threshold breaches
- SNMP (MIB) enabled for compatibility with all leading DCIM packages
- Integrated environmental monitoring capabilities; monitor temperature, air flow, humidity and dew point via optional connected sensors
- Internal memory for up to two week of trending of critical parameters for clear understanding of power allocation and usage



PDU Firmware, Trending Page



PDU Firmware, Alarm Setting Page



Intelligent PDU Communication and Environmental Monitoring Ports

| Belden PDU Type  | Local Display/<br>Monitoring | Intelligent-Remote Monitoring (3) |                        |                           |                           |                        |
|------------------|------------------------------|-----------------------------------|------------------------|---------------------------|---------------------------|------------------------|
|                  |                              | Current                           | Power Circuit<br>Level | Environmental<br>Port (4) | Power Outlet<br>Level (5) | Outlet<br>Switched (6) |
| Basic (B)        | No                           | No                                | No                     | No                        | No                        | No                     |
| Local (L)        | Yes                          | No                                | No                     | No                        | No                        | No                     |
| Current (C)      | Yes (1)                      | Yes                               | No                     | No                        | No                        | No                     |
| Power (P)        | Yes (2)                      | Yes                               | Yes                    | Yes                       | No                        | No                     |
| Power Outlet (O) | Yes (2)                      | Yes                               | Yes                    | Yes                       | Yes                       | No                     |
| Switched (S)     | Yes (2)                      | Yes                               | Yes                    | Yes                       | Optional                  | Yes                    |

Notes:

(1) Local current/amp meter, monitoring at circuit level for multi-circuit PDU.

(2) Local power meter provides Amps, Volts, Watts, Volt-Amps, kWh and Power Factor.

(3) Remote functions (IP-based) accessible via web browser.

(4) Remote IP-based environmental monitoring, (2) port per PDU. Requires external sensor, refer to accessories (p. 78) for selection.

(5) Remote IP-based receptacle level monitoring, Amps, Volts, Watts, kWh.

(6) Remote IP-based receptacle level switching (on/off) with configurable time delay.

### Power, Cooling and Air Handling Relations

| PDU Nameplate<br>Current Rating (A)                                                                                                                                  | Branch Circuit<br>Rating (A) | Nameplate<br>Volts (V) | Volts Actual<br>Delivered (V) | Phase* | PDU Nominal<br>Power Watts (W) | PDU De-Rated<br>Power (W) | PDU De-Rated<br>Power (kW) | PDU De-Rated<br>Power (BTU/hr.) | AC Tons**<br>(BTU/12000) | Air Volume***<br>(120 CFM* kW) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|-------------------------------|--------|--------------------------------|---------------------------|----------------------------|---------------------------------|--------------------------|--------------------------------|
| 12                                                                                                                                                                   | 15                           | 125                    | 120                           | 1      | 1,800                          | 1,440                     | 1.4                        | 4,916                           | 0.41                     | 168                            |
| 16                                                                                                                                                                   | 20                           | 125                    | 120                           | 1      | 2,400                          | 1,920                     | 1.9                        | 6,555                           | 0.55                     | 228                            |
| 24                                                                                                                                                                   | 30                           | 125                    | 120                           | 1      | 3,600                          | 2,880                     | 2.9                        | 9,832                           | 0.82                     | 348                            |
| 16                                                                                                                                                                   | 20                           | 250                    | 208                           | 1      | 4,160                          | 3,328                     | 3.3                        | 11,362                          | 0.95                     | 396                            |
| 24                                                                                                                                                                   | 30                           | 250                    | 208                           | 1      | 6,240                          | 4,992                     | 5.0                        | 17,043                          | 1.42                     | 600                            |
| 35                                                                                                                                                                   | 50                           | 250                    | 208                           | 1      | 10,400                         | 7,280                     | 7.3                        | 24,854                          | 2.07                     | 876                            |
| 48                                                                                                                                                                   | 60                           | 250                    | 208                           | 1      | 12,480                         | 9,984                     | 10.0                       | 34,085                          | 2.84                     | 1,200                          |
| 16                                                                                                                                                                   | 20                           | 230                    | 230                           | 1      | 4,600                          | 3,680                     | 3.7                        | 12,564                          | 1.05                     | 444                            |
| 24                                                                                                                                                                   | 30                           | 230                    | 230                           | 1      | 6,900                          | 5,520                     | 5.5                        | 18,845                          | 1.57                     | 660                            |
| 48                                                                                                                                                                   | 60                           | 230                    | 230                           | 1      | 13,800                         | 11,040                    | 11.0                       | 37,691                          | 3.14                     | 1,320                          |
| 16                                                                                                                                                                   | 20                           | 120/208                | 208                           | 3      | 7,197                          | 5,757                     | 5.8                        | 19,656                          | 1.64                     | 696                            |
| 24                                                                                                                                                                   | 30                           | 120/208                | 208                           | 3      | 10,795                         | 8,636                     | 8.6                        | 29,484                          | 2.46                     | 1,032                          |
| 35                                                                                                                                                                   | 50                           | 120/208                | 208                           | 3      | 17,992                         | 12,594                    | 12.6                       | 42,997                          | 3.58                     | 14,712                         |
| 48                                                                                                                                                                   | 60                           | 120/208                | 208                           | 3      | 21,616                         | 17,293                    | 17.3                       | 58,968                          | 4.91                     | 2,076                          |
| 80                                                                                                                                                                   | 100                          | 120/208                | 208                           | 3      | 36,027                         | 28,821                    | 28.8                       | 98,279                          | 8.19                     | 3,456                          |
| 100                                                                                                                                                                  | 125                          | 120/208                | 208                           | 3      | 45,033                         | 36,027                    | 36.0                       | 122,849                         | 10.24                    | 4,320                          |
| 120                                                                                                                                                                  | 150                          | 120/208                | 208                           | 3      | 54,040                         | 43,232                    | 43.2                       | 147,419                         | 12.28                    | 5,184                          |
| 16                                                                                                                                                                   | 20                           | 230/400                | 230                           | 3      | 13,856                         | 11,085                    | 11.0                       | 37,691                          | 3.14                     | 1,320                          |
| 24                                                                                                                                                                   | 30                           | 230/400                | 230                           | 3      | 20,785                         | 16,628                    | 16.6                       | 56,563                          | 4.71                     | 1,992                          |
| *3-Phase power is calculated by multiplying single phase by the square root of 3 or 1.73.                                                                            |                              |                        |                               |        |                                |                           |                            |                                 |                          |                                |
| **Tons of air conditioning required to remove heat from associated IT load.                                                                                          |                              |                        |                               |        |                                |                           |                            |                                 |                          |                                |
| ***The volume of air that is typically required by the IT equipment for each kW of IT load can typically range from 80 to 140 CFM. 120 CFM was used for calculation. |                              |                        |                               |        |                                |                           |                            |                                 |                          |                                |



## Single-Phase PDUs



Front View 9LF1-101001



Rear View 9LF1-101001



9LB2-301001

### UL Listed Single-Phase PDUs

Type: B = Basic; L = Local Monitored

| Belden Part # | Type | De-Rated Power (kW) | Amps (A)/ Volts (V) | Plug Type | Total Receptacle | Receptacle Type/Qty | Thermal Circuit Breaker | On-Off Switch | Surge Suppression | Monitoring-Local | Mounting (4) | Dimensions L x W x D (in.) |
|---------------|------|---------------------|---------------------|-----------|------------------|---------------------|-------------------------|---------------|-------------------|------------------|--------------|----------------------------|
| 9BF1-061001   | B    | 1.4                 | 15/120              | 5-15P     | 6                | 5-15R/6             | Yes                     | Yes           | No                | No               | Rack - 19"   | 17 x 1.72 x 3.75           |
| 9BF1-061002   | B    | 1.4                 | 15/120              | 5-15P     | 6                | 5-15R/6             | Yes                     | Yes           | Yes               | No               | Rack - 19"   | 17 x 1.72 x 3.75           |
| 9BF1-081001   | B    | 1.4                 | 15/120              | 5-15P     | 8                | 5-15R/8             | Yes                     | Yes           | No                | No               | Vertical     | 24 x 1.61 x 1.61           |
| 9LF1-101001   | L    | 1.4                 | 15/120              | 5-15P     | 10               | 5-15R/10            | Yes                     | Yes           | No                | Power            | Rack - 19"   | 17 x 1.72 x 4.5            |
| 9BF1-141001   | B    | 1.4                 | 15/120              | 5-15P     | 14               | 5-15R/14            | Yes                     | Yes           | Yes               | No               | Vertical     | 47.5 x 1.61 x 1.61         |
| 9BG2-081001   | B    | 1.9                 | 20/120              | L5-20P    | 8                | 5-20R/8             | Yes                     | Yes           | No                | No               | Vertical     | 24 x 1.61 x 1.61           |
| 9BG1-101001   | B    | 1.9                 | 20/120              | 5-20P     | 10               | 5-20R/10            | Yes                     | Yes           | Yes               | No               | Rack - 19"   | 17 x 1.72 x 3.75           |
| 9LG1-101001   | B    | 1.9                 | 20/120              | 5-20P     | 10               | 5-20R/10            | Yes                     | No            | No                | Power            | Rack - 19"   | 17 x 1.72 x 4.5            |
| 9BG1-141001   | B    | 1.9                 | 20/120              | 5-20P     | 14               | 5-20R/14            | Yes                     | Yes           | No                | No               | Vertical     | 47.5 x 1.61 x 1.61         |
| 9BG2-141001   | B    | 1.9                 | 20/120              | L5-20P    | 14               | 5-20R/14            | Yes                     | Yes           | No                | No               | Vertical     | 47.5 x 1.61 x 1.61         |
| 9BG1-141002   | B    | 1.9                 | 20/120              | L5-20P    | 14               | 5-20R/14            | Yes                     | No            | Yes               | No               | Vertical     | 47.5 x 1.61 x 1.61         |
| 9BG2-141002   | B    | 1.9                 | 20/120              | L5-20P    | 14               | 5-20R/14            | Yes                     | No            | Yes               | No               | Vertical     | 47.5 x 1.61 x 1.61         |
| 9LH2-241001   | L    | 2.8                 | 30/120              | L5-30P    | 24               | 5-20R/24            | Magnetic                | Breaker       | No                | Power            | Vertical     | 66.25 x 2 x 2              |
| 9LB2-121001   | L    | 5                   | 30/208              | L6-30P    | 12               | C-13/12             | Magnetic                | Breaker       | No                | Power            | Rack - 19"   | 17 x 1.72 x 6.5            |
| 9LB2-301001   | L    | 5                   | 30/208              | L6-30P    | 30               | C-13/24 + C-19/6    | Magnetic                | Breaker       | No                | Power            | Vertical     | 66.25 x 2 x 2              |

#### Notes:

(1) Standard cord length is 10 ft. For other lengths, change dd digit in part # (ex: 9PB2-30dd01 would be 9PB2-300801 = 8 ft). Available in 2, 4, 6, 8, 10, 15, 20 ft.

(2) Standard cord exits from chassis face; top of chassis exit available on request.

(3) Standard PDU chassis color is black, custom color overlay available on request.



Front View 9PG2-101001



Rear View 9PG2-101001



9OB2-241001

### UL Listed Single-Phase PDUs

Type: P = Remote Power Monitored; O = Outlet Monitored

| Belden Part # | Type | De-Rated Power (kW) | Amps (A)/ Volts (V) | Plug Type | Total Receptacle | Receptacle Type/Qty | Thermal Circuit Breaker | On-Off Switch | Monitoring-Local/Remote        | Environmental Monitoring | Mounting (4) | Dimensions L x W x D (in.) |
|---------------|------|---------------------|---------------------|-----------|------------------|---------------------|-------------------------|---------------|--------------------------------|--------------------------|--------------|----------------------------|
| 9PG2-101001   | P    | 1.9                 | 20/120              | 5-20P     | 10               | 5-20R/10 + 0        | Magnetic                | No            | Power/Aggregate                | Yes - 2 Port             | Rack - 19"   | 17 x 1.72 x 6.5            |
| 9PB2-301001   | P    | 5                   | 30/208              | L6-30P    | 30               | C-13/24 + C-19/6    | Magnetic                | Breaker       | Power/Circuit Breaker          | Yes - 2 Port             | Vertical     | 66.25 x 2 x 2.25           |
| 9PB2-301002   | P    | 5                   | 30/208              | L6-30P    | 30               | C-13L/24 + C-19L/6  | Magnetic                | Breaker       | Power/Circuit Breaker          | Yes - 2 Port             | Vertical     | 72 x 2 x 2.25              |
| 9PB2-421001   | P    | 5                   | 30/208              | L6-30P    | 42               | C-13/36 + C-19/6    | Magnetic                | Breaker       | Power/Circuit Breaker          | Yes - 2 Port             | Vertical     | 70 x 2 x 2.25              |
| 9OB2-241001   | O    | 5                   | 30/208              | L6-30P    | 24               | C-13L/18 + C-19L/6  | Magnetic                | Breaker       | Power/Circuit Breaker + Outlet | Yes - 2 Port             | Vertical     | 72 x 2.25 x 2.25           |

#### Notes:

(1) Standard cord length is 10 ft. For other lengths, change dd digit in part # (ex: 9PB2-30dd01 would be 9PB2-300801 = 8 ft). Available in 2, 4, 6, 8, 10, 15, 20 ft.

(2) Standard cord exits from chassis face; top of chassis exit available on request.

(3) C-13L, L refers to receptacles with locking feature.

(4) Standard PDU chassis color is black, custom color overlay available on request.

(5) These PDUs have no Surge Suppression.

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## 3-Phase PDUs



9LI2-301001



ZPB248-1061BBPS15

### UL Listed 3-Phase PDUs

Type: B = Basic; L = Local Monitored

| Belden Part # | Type | De-Rated Power (kW) | Amps (A) x Phases | Input Volts (V)/ Output Volts (V) | Plug Type | Total Receptacle | Receptacle Type/Qty(s)     | Circuit Breaker (Amp/Qty) | Monitoring-Local/Remote | Mounting   | Dimensions L x W x D (in.)        |
|---------------|------|---------------------|-------------------|-----------------------------------|-----------|------------------|----------------------------|---------------------------|-------------------------|------------|-----------------------------------|
| 9LI2-301001   | L    | 5.7                 | 20 x 3 Ph.        | 120/208 WYE/208                   | L21-20P   | 30               | C-13/24 + C-19/6           | No                        | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - No      |
| 9LJ2-301001   | L    | 8.6                 | 30 x 3 Ph.        | 120/208 WYE/208                   | L21-30P   | 30               | C-13/24 + C-19/6           | 20/3D                     | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - No      |
| 9BJ2-331001   | B    | 8.6                 | 30 x 3 Ph.        | 120/208 WYE/120 & 208             | L21-30P   | 33               | C-13/24 + C-19/3 + 5-20R/6 | 20/3D                     | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - No      |
| 9LC2-301001   | L    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | L22-20P   | 30               | C-13/24 + C-19/6           | No                        | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - No      |
| 9LC3-301001   | L    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | 4P, 5W    | 30               | C-13/24 + C-19/6           | No                        | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - No      |
| 9LD2-301001   | L    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | L22-30P   | 30               | C-13/24 + C-19/6           | 20/3D                     | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - Yes     |
| 9LD3-301001   | L    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | 4P, 5W    | 30               | C-13/24 + C-19/6           | 20/3D                     | Amp (X,Y,Z)/No          | Vertical   | 66.25 x 2 x 2 Dog House - Yes     |
| 9BL3-121001   | B    | 17.3                | 60 x 3 Ph.        | 208 Delta/208                     | 3P, 4W    | 12               | C-19/12 + 0                | 20/6                      | Breaker/No              | Rack - 19" | 17 x 3.4 x 9 Dog House - No       |
| 9BL3-241001   | B    | 17.3                | 60 x 3 Ph.        | 208 Delta/208                     | 3P, 4W    | 24               | C-13/12 + C-19/12          | 20/6                      | Breaker/No              | Vertical   | 66.25 x 2.3 x 3.45 Dog House - No |

Notes:

- (1) Standard cord length is 10 ft. For other lengths, change dd digit in part # (ex: 9PB2-30dd01 would be 9PB2-300801 = 8 ft). Available in 2, 4, 6, 8, 10, 15, 20 ft.
- (2) Standard cord exits from chassis face; top of chassis exit available on request.

- (3) C-13L, L refers to receptacles with locking feature.
- (4) Ex: 20/3D, D refers to double pole breakers (20A in this case).
- (5) Standard PDU chassis color is black, custom color overlay available on request.

- (6) These PDUs have no Surge Suppression or On/Off Switch.
- (7) PDU "Dog House" hosts the circuit breaker and protrude from the PDU chassis by 1.44".



9PC2-441001



9QJ2-301001

### UL Listed 3-Phase PDUs

Type: C = Remote Current Monitored; P = Power Monitored; O = Outlet Monitored

| Belden Part # | Type | De-Rated Power (kW) | Amps (A) x Phases | Input Volts (V)/ Output Volts (V) | Plug Type | Total Receptacle | Receptacle Type/Qty(s)     | Circuit Breaker (Amp/Qty) (4) | Monitoring-Local/Remote | Environ. Monitoring | Dimensions L x W x D (in.)       |
|---------------|------|---------------------|-------------------|-----------------------------------|-----------|------------------|----------------------------|-------------------------------|-------------------------|---------------------|----------------------------------|
| 9PC2-441001   | P    | 5.8                 | 20 x 3 Ph.        | 120/208 WYE/208                   | L21-20P   | 44               | C-13/36 + C-19/6 + 5-20R/2 | No                            | Power/X, Y, Z           | Yes - 2 Port        | 70 x 2 x 2.25 Dog House - No     |
| 9CJ2-301001   | C    | 8.6                 | 30 x 3 Ph.        | 120/208 WYE/208                   | L21-30P   | 30               | C-13/24 + C-19/6           | 20/3D                         | Current/Current         | No                  | 66.25 x 2 x 2 Dog House - Yes    |
| 9QJ2-301001   | O    | 8.6                 | 30 x 3 Ph.        | 120/208 WYE/208                   | L21-30P   | 30               | C-13L/24 + C-19L/6         | 20/3D                         | Power/X, Y, Z + Outlet  | Yes - 2 Port        | 72 x 2.25 x 2.25 Dog House - Yes |
| 9OC2-241001   | O    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | L22-20P   | 24               | C-13L/18 + C-19L/6         | No                            | Power/X, Y, Z + Outlet  | Yes - 2 Port        | 66.25 x 2 x 2 Dog House - No     |
| 9OD3-241001   | O    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | 4P, 5W    | 24               | C-13L/18 + C-19L/6         | 20/6                          | Power/X, Y, Z + Outlet  | Yes - 2 Port        | 72 x 2.25 x 2.25 Dog House - Yes |
| 9PL3-301001   | P    | 17.3                | 60 x 3 Ph.        | 208 Delta/208                     | 4P, 4W    | 30               | C-13/24 + C-19/6           | 20/6D                         | Power/X, Y, Z           | Yes - 2 Port        | 72 x 2.3 x 3.45 Dog House - No   |

Notes:

- (1) Standard cord length is 10 ft. For other lengths, change dd digit in part # (ex: 9PB2-30dd01 would be 9PB2-300801 = 8 ft). Available in 2, 4, 6, 8, 10, 15, 20 ft.
- (2) Standard cord exits from chassis face; top of chassis exit available on request.

- (3) C-13L, L refers to receptacles with locking feature.
- (4) Ex: 20/3D, D refers to double pole breakers (20A in this case).
- (5) Standard PDU chassis color is black, custom color overlay available on request.

- (6) These PDUs have no Surge Suppression or On/Off Switch.
- (7) PDU "Dog House" hosts the circuit breaker and protrude from the PDU chassis by 1.44".
- (8) All these 3-Phase PDUs are vertically mounted.



## Single- and 3-Phase PDUs



Front View 9SG1-081002



Rear View 9SG1-081002



9SJ2-241001 9SJ2-241002

### UL Listed Single- and 3-Phase PDUs

Type: S = Remotely Switched

| Belden Part # | Type | De-Rated Power (kW) | Amps (A) x Phases | Input Volts (V)/ Output Volts (V) | Plug Type | Total Receptacle | Receptacle Type/ Qty(s) | Circuit Breaker (Amp/Qty) (4) | Monitoring-Local/ Remote   | Mounting (5) | Dimensions L x W x D (in.)           |
|---------------|------|---------------------|-------------------|-----------------------------------|-----------|------------------|-------------------------|-------------------------------|----------------------------|--------------|--------------------------------------|
| 9SG1-081001   | S    | 1.9                 | 20                | 120/120                           | 5-20P     | 8                | 5-20R/8                 | No                            | Power/Agg Power            | Rack - 19"   | 17 x 1.72 x 8.5<br>Dog House - No    |
| 9SG1-081002   | S    | 1.9 or 3.3          | 20                | 120 or 208/120 or 208             | C-20      | 8                | C-13L/8                 | No                            | Power/Agg + Outlet         | Rack - 19"   | 17 x 1.72 x 8.5<br>Dog House - No    |
| 9SB2-241001   | S    | 5                   | 30                | 208/208                           | L6-30P    | 24               | C-13L/20 + C-19L/4      | 20/2D                         | Power/Agg, Circuit, Outlet | Vertical     | 70 x 2.5 x 2.25<br>Dog House - Yes   |
| 9SJ2-241001   | S    | 8.6                 | 30 x 3 Ph.        | 120/208 WYE/208                   | L21-30P   | 24               | C-13L/18 + C-19L/6      | 20/3D                         | Power/Agg, Circuit         | Vertical     | 70 x 2.5 x 2.25<br>Dog House - Yes   |
| 9SJ2-241002   | S    | 8.6                 | 30 x 3 Ph.        | 120/208 WYE/208                   | L21-30P   | 24               | C-13L/18 + C-19L/6      | 20/3D                         | Power/Agg, Circuit, Outlet | Vertical     | 70 x 2.5 x 2.25<br>Dog House - Yes   |
| 9SC3-241001   | S    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | 3P, 4W    | 24               | C-13L/21 + C-19L/3      | No                            | Power/Agg, Circuit         | Vertical     | 66.25 x 2.5 x 2.25<br>Dog House - No |
| 9SC3-241002   | S    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | 3P, 4W    | 24               | C-13L/21 + C-19L/3      | No                            | Power/Agg, Circuit, Outlet | Vertical     | 66.25 x 2.5 x 2.25<br>Dog House - No |
| 9SC2-241001   | S    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | L22-20P   | 24               | C-13L/21 + C-19L/3      | No                            | Power/Agg, Circuit         | Vertical     | 66.25 x 2.5 x 2.25<br>Dog House - No |
| 9SC2-241002   | S    | 11                  | 20 x 3 Ph.        | 230/400 WYE/230                   | L22-20P   | 24               | C-13L/21 + C-19L/3      | No                            | Power/Agg, Circuit, Outlet | Vertical     | 66.25 x 2.5 x 2.25<br>Dog House - No |
| 9SD3-241001   | S    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | 4P, 5W    | 24               | C-13L/21 + C-19L/3      | 20/6                          | Power/Agg, Circuit         | Vertical     | 72 x 2.5 x 2.25<br>Dog House - No    |
| 9SD3-241002   | S    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | 4P, 5W    | 24               | C-13L/21 + C-19L/3      | 20/6                          | Power/Agg, Circuit, Outlet | Vertical     | 72 x 2.5 x 2.25<br>Dog House - No    |
| 9SD2-241001   | S    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | L22-30P   | 24               | C-13L/21 + C-19L/3      | 20/6                          | Power/Agg, Circuit         | Vertical     | 72 x 2.5 x 2.25<br>Dog House - No    |
| 9SD2-241002   | S    | 16.6                | 30 x 3 Ph.        | 230/400 WYE/230                   | L22-30P   | 24               | C-13L/21 + C-19L/3      | 20/6                          | Power/Agg, Circuit, Outlet | Vertical     | 72 x 2.5 x 2.25<br>Dog House - No    |
| 9SL3-241001   | S    | 17.2                | 60 x 3 Ph.        | 208 Delta/208                     | 3P, 4W    | 24               | C-13L/18 + C-19L/6      | 20/6D                         | Power/Agg, Circuit         | Vertical     | 66.25 x 4 x 3.45<br>Dog House - No   |
| 9SL3-241002   | S    | 17.2                | 60 x 3 Ph.        | 208 Delta/208                     | 3P, 4W    | 24               | C-13L/18 + C-19L/6      | 20/6D                         | Power/Agg, Circuit, Outlet | Vertical     | 66.25 x 4 x 3.45<br>Dog House - No   |

#### Notes:

(1) Standard cord length is 10 ft. For other lengths, change dd digit in part # (ex: 9PB2-30dd01 would be 9PB2-300801 = 8 ft). Available in 2, 4, 6, 8, 10, 15, 20 ft. 9SG1-081002 Power Cord is sold separately.

(2) Standard cord exits from chassis face; top of chassis exit available on request.

(3) C-13L, L refers to receptacles with locking feature.

(4) Ex: 20/3D, D refers to double pole breakers (20A in this case).

(5) Standard PDU chassis color is black, custom color overlay available on request.

(6) These PDUs have no On/Off Switch or Surge Suppression.

(7) PDU "Dog House" hosts the circuit breaker and protrude from the PDU chassis by 1.44".

(8) All these Single- and 3-Phase PDUs have a Switched Outlet and a 2-port Environmental Monitor.

Faster.  
Easier.  
Better.

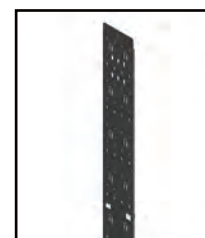


## PDU Accessories — Mounting, Cord Management and Cord Set



| Description                                                                         | Belden Part Number |
|-------------------------------------------------------------------------------------|--------------------|
| <b>Tool-Less PDU Mounting Panel</b> (for XM and XS Style Enclosures)                |                    |
| Lacing-PDU Mounting Panel, 3.5"W, 42RU, Black                                       | XVMP014201         |
| Lacing-PDU Mounting Panel, 3.5"W, 45RU, Black                                       | XVMP014501         |
| Lacing-PDU Mounting Panel, 3.5"W, 48RU, Black                                       | XVMP014801         |
| Lacing-PDU Mounting Panel, 7"W, 42RU, Black                                         | XVMP024201         |
| Lacing-PDU Mounting Panel, 7"W, 45RU, Black                                         | XVMP024501         |
| Lacing-PDU Mounting Panel, 7"W, 48RU, Black                                         | XVMP024801         |
| Lacing-PDU Mounting Panel, 3.5"W, 42RU, White                                       | XVMP014202         |
| Lacing-PDU Mounting Panel, 3.5"W, 45RU, White                                       | XVMP014502         |
| Lacing-PDU Mounting Panel, 3.5"W, 48RU, White                                       | XVMP014802         |
| Lacing-PDU Mounting Panel, 7"W, 42RU, White                                         | XVMP024202         |
| Lacing-PDU Mounting Panel, 7"W, 45RU, White                                         | XVMP024502         |
| Lacing-PDU Mounting Panel, 7"W, 48RU, White                                         | XVMP024802         |
| <b>Tool-Less PDU Mounting Panel</b> (for XN Style Enclosures)                       |                    |
| PDU Mounting Bracket Double, Post Mounting 2 PDU Side-by-Side Facing Into Enclosure | XNPM01             |
| PDU Mounting Bracket Single, Rear Facing Pair                                       | XNPM02             |
| PDU Mounting Bracket Rear Facing Pair Between Frames                                | XNPM03             |
| PDU Mounting Bracket Rear Facing Pair Between Frames with Extension                 | XNPM04             |
| Vertical Manager Panel, 42RU X 7.0"W, Black                                         | XNVLP42901         |
| Vertical Manager Panel, 45RU X 7.0"W, Black                                         | XNVLP45901         |
| Vertical Manager Panel, 48RU X 7.0"W, Black                                         | XNVLP48901         |
| Vertical Manager Panel, 42RU X 7.0"W, CO White                                      | XNVLP42902         |
| Vertical Manager Panel, 45RU X 7.0"W, CO White                                      | XNVLP45902         |
| Vertical Manager Panel, 48RU X 7.0"W, CO White                                      | XNVLP48902         |
| <b>Tool-Less PDU Mounting Panel</b> (for XSS Seismic Enclosures)                    |                    |
| Cable PDU Manager Rear Panel, 44RU, Rear, Black                                     | XSN44VRPM101       |
| Cable PDU Manager Rear Panel, 44RU, Rear, with 6 Rings, Black                       | XSN44VRPM201       |
| Cable PDU Manager Rear Panel, 44RU, Rear, CO White                                  | XSN44VRPM102       |
| Cable PDU Manager Rear Panel, 44RU, Rear, with 6 Rings, CO White                    | XSN44VRPM202       |
| <b>Tool-Less PDU Mounting Panel</b> (for XSN Seismic Enclosures)                    |                    |
| Cable PDU Manager Rear Panel, 44RU, Rear, Black                                     | XSN44VRPM101       |
| Cable PDU Manager Rear Panel, 44RU, Rear, with 6 Rings, Black                       | XSN44VRPM201       |
| Cable PDU Manager Rear Panel, 44RU, Rear, CO White                                  | XSN44VRPM102       |
| Cable PDU Manager Rear Panel, 44RU, Rear, with 6 Rings, CO White                    | XSN44VRPM202       |
| <b>Power Cord Management</b>                                                        |                    |
| Cable Management Ring Plastic (Qty = 5) 3" x 1.5" Reversible                        | XMR01              |
| Cable Management Ring Kit (Qty = 5) 2.5"W x 3"D                                     | XMR03              |
| Slack Management Spool Kit (includes 2 spools)                                      | XSK020             |
| Quick Mount Base (Qty=10) with Fastener, for 1/4" Holes                             | XCTM               |
| Velcro Cable Ties, 25 per Roll, 8" L x 0.5"W                                        | AX100783           |
| Velcro Cable Ties, 25 per Roll, 12" L x 0.5"W                                       | AX100784           |
| <b>Cord Set*</b> (C13/C19, C19/C20 - UL - cUL Listed)                               |                    |
| C13 to C14 Non-Locking Cord Set - Y" Long — Black                                   | CSC13C14yyBK       |
| C13 to C14 Non-Locking - 36" Long — Black                                           | CSC13C1436BK       |
| C13 to C14 Non-Locking - 48" Long — Black                                           | CSC13C1448BK       |
| C19 to C20 Non-Locking Cord Set - Y" Long — Black                                   | CSC19C20yyBK       |
| C19 to C20 Non-Locking - 36" Long — Black                                           | CSC19C2036BK       |
| C19 to C20 Non-Locking - 48" Long — Black                                           | CSC19C2048BK       |
| C13 Locking to C14 - 20" Long — Blue                                                | CSLC13C1420BL      |
| C13 Locking to C14 - 20" Long — Orange                                              | CSLC13C1420OR      |
| C19 Locking to C20 - 20" Long — Blue                                                | CSLC19C2020BL      |
| C19 Locking to C20 - 20" Long — Orange                                              | CSLC19C2020OR      |
| C13 Locking to C14 - 39" Long — Blue                                                | CSLC13C1439BL      |
| C13 Locking to C14 - 39" Long — Orange                                              | CSLC13C1439OR      |
| C19 Locking to C20 - 39" Long — Blue                                                | CSLC19C2039BL      |
| C19 Locking to C20 - 39" Long — Orange                                              | CSLC19C2039OR      |

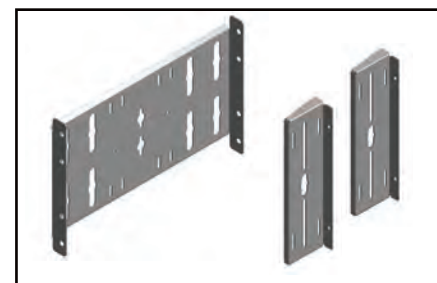
Notes: yy = 12, 24, 36 ... 96 = cord length 12 to 96 inches; 12 inch increments.



7" Lacing-PDU mounting panel



3.5" Lacing-PDU mounting panel



Mounting Brackets



Cable Management Ring (Plastic)



Quick Mount Base



Locking Cord Set\*

\*Built within the plug housing on the female end (C13/C19) of the cord, the patented integrated locking mechanism is protected against vibration and external elements that can easily dislodge other plug securing solutions, like external locking clips and guides. This self-contained locking mechanism engages with any standard IEC male connector (C14/C20). The cord locking feature is only available at the device-end of the cord sets. A power strip with locking receptacles must be available to secure these cords to the PDU.

## Power Distribution Unit Configuration Guide

Please select the desired configuration and specifications and submit to Belden.

Power Availability \_\_\_\_\_ Phone \_\_\_\_\_ E-mail \_\_\_\_\_  
 Quantity Required \_\_\_\_\_ Target Price \_\_\_\_\_ Project Timeline \_\_\_\_\_  
 First Unit Required by Date \_\_\_\_\_ Comparable Competitive Unit Brand/Model# \_\_\_\_\_

### Electrical Configuration

| Power Input |                                |            |             |
|-------------|--------------------------------|------------|-------------|
| Quantity**  | Plug Type                      | Input AMPS | Input VOLTS |
|             | 5-15P                          | 15         | 125         |
|             | L5-15P                         | 15         | 125         |
|             | 5-20P                          | 20         | 125         |
|             | L5-20P                         | 20         | 125         |
|             | 6-20P                          | 20         | 250         |
|             | L6-20P                         | 20         | 250         |
|             | L14-20P                        | 20         | 125/250     |
|             | L21-20P                        | 20 x 3~    | 120/208 WYE |
|             | L5-30P                         | 30         | 125         |
|             | L6-30P                         | 30         | 250         |
|             | L14-30P                        | 30         | 125/250     |
|             | L15-30P                        | 30 x 3~    | 250 Delta   |
|             | L21-30P                        | 30 x 3~    | 120/208 WYE |
|             | IEC C-20 Inlet (No Cord)       | 20/16*     | 125 or 250  |
|             | IEC Pin & Sleeve 2 Pole/3 Wire | 20/16*     | 250/230*    |
|             | IEC Pin & Sleeve 3 Pole/4 Wire | 20         | 250 3~      |
|             | IEC Pin & Sleeve 2 Pole/3 Wire | 30/32*     | 250/230*    |
|             | IEC Pin & Sleeve 3 Pole/4 Wire | 30         | 250 3~      |
|             | IEC Pin & Sleeve 2 Pole/3 Wire | 60/63*     | 250/230*    |
|             | IEC Pin & Sleeve 3 Pole/4 Wire | 60         | 250 3~      |
| Cord Length |                                |            |             |

| Power Input            |                                    |                      |            |
|------------------------|------------------------------------|----------------------|------------|
| Quantity               | Receptacle Type                    | AMPS                 | VOLTS      |
|                        | 5-15R Duplex                       | 15                   | 125        |
|                        | 5-15R Individual                   | 15                   | 125        |
|                        | L5-15R Duplex                      | 15                   | 125        |
|                        | 5-20R Duplex                       | 20                   | 125        |
|                        | 5-20R Individual                   | 20                   | 125        |
|                        | L5-20R                             | 20                   | 125        |
|                        | 6-20R Duplex                       | 20                   | 250        |
|                        | L6-20R                             | 20                   | 250        |
|                        | L5-30R                             | 30                   | 125        |
|                        | L6-30R                             | 30                   | 250        |
|                        | IEC C-13                           | 15/10*               | 125 or 250 |
|                        | IEC C-19                           | 20/16*               | 125 or 250 |
| Other - Please Specify |                                    |                      |            |
| Physical Configuration |                                    |                      |            |
| Dimensional Limits     |                                    | Mounting Orientation |            |
|                        | Length                             |                      | Horizontal |
|                        | Width                              |                      | Vertical   |
|                        | Height                             |                      |            |
| Hardwire Options       |                                    |                      |            |
| Quantity**             |                                    |                      |            |
|                        | 6" Wire Tails with Removable Plate |                      |            |
|                        | Flexible Conduit                   |                      |            |
|                        | Terminal Block                     |                      |            |

| Power Switch                   |                                                            | Surge Suppression |                        |
|--------------------------------|------------------------------------------------------------|-------------------|------------------------|
|                                | No                                                         |                   | No                     |
|                                | Yes                                                        |                   | Yes                    |
|                                | Yes - with Cover                                           |                   |                        |
| Monitoring                     |                                                            |                   |                        |
| Current Local                  |                                                            | Current Remote    |                        |
|                                | No                                                         |                   | No                     |
|                                | Yes - Current (Amps) Only                                  |                   | Yes - Circuit Level    |
|                                | Yes - Scrolling Display (Volts, Amps, Watts, Power Factor) |                   | Yes - Outlet Level     |
| Environmental                  |                                                            | Remote Switching  |                        |
|                                | No                                                         |                   | No                     |
|                                | Yes                                                        |                   | Yes                    |
| Circuit Breakers               |                                                            | Isolated Ground   |                        |
|                                | No (required by NEC in some units)                         |                   | No                     |
|                                | Yes                                                        |                   | Yes                    |
| 3rd Party Testing - Compliance |                                                            |                   |                        |
|                                | UL® Listed                                                 |                   | UR - UL® Recognized    |
|                                | FCC Part 15 Class A                                        |                   | CE®                    |
|                                | None Required                                              |                   | Other - Please Specify |

Notes:

\*Rating for CE Products  
 \*\*Quantity = # of Circuits

### Additional Information

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Faster.  
Easier.  
Better.



## Plug and Receptacle Configuration Chart

### NEMA Plugs and Receptacles

| AMP | VOLTS   | Straight-Blade Plug |                                                                                   | Straight-Blade Receptacle |                                                                                     | AMP | VOLTS            | Straight-Blade Plug |                                                                                     | Straight-Blade Receptacle |                                                                                     |
|-----|---------|---------------------|-----------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|-----|------------------|---------------------|-------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| 15  | 125     | 5-15P               |  | 5-15R                     |  | 20  | 250              | 6-20P               |  | 6-20R                     |  |
| 20  | 125     | 5-20P               |  | 5-20R                     |  |     |                  |                     |                                                                                     |                           |                                                                                     |
| AMP | VOLTS   | Twist-Lock Plug     |                                                                                   | Twist-Lock Receptacle     |                                                                                     | AMP | VOLTS            | Twist-Lock Plug     |                                                                                     | Twist-Lock Receptacle     |                                                                                     |
| 15  | 125     | L5-15P              |  | L5-15R                    |  | 20  | 120/208 x 3~ WYE | L21-20P             |  | L21-20R                   |  |
| 20  | 125     | L5-20P              |  | L5-20R                    |  | 20  | 230/400 x 3~ WYE | L22-20P             |  | L22-20R                   |  |
| 30  | 125     | L5-30P              |  | L5-30R                    |  | 30  | 120/208 x 3~ WYE | L21-30P             |  | L21-30R                   |  |
| 20  | 250     | L6-20P              |  | L6-20R                    |  | 30  | 230/400 x 3~ WYE | L22-30P             |  | L22-30R                   |  |
| 30  | 250     | L6-30P              |  | L6-30R                    |  | 30  | 250 x 3~ Delta   | L15-30P             |  | L15-30R                   |  |
| 20  | 125/250 | L14-20P             |  | L14-20R                   |  | AMP | VOLTS            | California Style    |                                                                                     |                           |                                                                                     |
| 30  | 125/250 | L14-30P             |  | L14-30R                   |  | 50  | 250 x 3~ Delta   | 3P, 4W              |  | 3P, 4W                    |  |

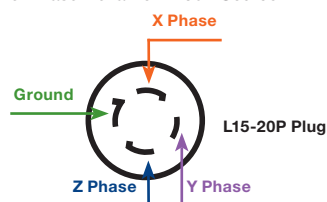
### IEC Plugs and Receptacles

| AMP    | VOLTS      | Power Inlet  |                                                                                     | Power Receptacle |                                                                                     | AMP    | VOLTS             | Power Inlet  |                                                                                       | Power Receptacle |                                                                                       |
|--------|------------|--------------|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|--------|-------------------|--------------|---------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
| 15/10* | 125 or 250 | C-14         |  | C-13             |  | 20/16* | 125 or 250        | C-20         |  | C-19             |  |
| AMP    | VOLTS      | Pin & Sleeve |                                                                                     |                  |                                                                                     | AMP    | VOLTS             | Pin & Sleeve |                                                                                       |                  |                                                                                       |
| 20/16* | 250/230*   | 2P, 3W       |  | 2P, 3W           |  | 60/63* | 250/230*          | 2P, 3W       |   | 2P, 3W           |  |
| 20     | 250        | 3P, 4W       |  | 3P, 4W           |  | 60     | 250               | 3P, 4W       |   | 3P, 4W           |  |
| 30/32* | 250/230    | 2P, 3W       |  | 2P, 3W           |  | 20/16* | 230/400* x 3~ WYE | 4P, 5W       |   | 4P, 5W           |  |
| 30     | 250        | 3P, 4W       |  | 3P, 4W           |  | 30/32* | 230/400* x 3~ WYE | 4P, 5W       |   | 4P, 5W           |  |

\*Rating for CE Products

#### What is 3-Phase Delta?

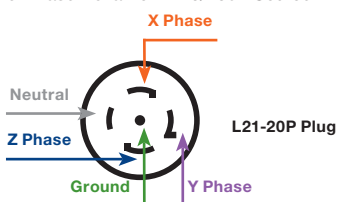
3-Phase Delta from 208V Source



A 3-Phase Delta is a 4-wire configuration consisting of 3-Phase conductors (X, Y and Z) and a Ground. Without the neutral present, only phase-to-phase wiring is possible. The potential between any 2-Phase conductors is typically 208V.

#### What is 3-Phase WYE?

3-Phase Delta from 120/208V Source



A 3-Phase Delta 120/208V WYE is a 5-wire configuration consisting of 3-Phase conductors (X, Y and Z), Neutral and Ground. The potential between any 2-Phase conductors is 208V. The potential between any phase and neutral is 120V. This configuration can be wired to provide 120V, 208V or a combination of both voltages within one PDU.

