

# Basic PDU M-Type A+B/20Br

## DC Distributions



### Description

The Basic PDU M-Type is a compact, cost-effective 1U DC Power Distribution Unit designed for applications requiring high-density power delivery within a minimal footprint.

It features A+B dual input distribution capabilities that can be configured. The unit is engineered to accommodate up to 20 pcs of 1U plug-in circuit breakers. Input A includes provisions for integrating an optional PLD device, which allows for the disconnection of the entire input.

The unit can be installed into 19IN rack as an additional DC distribution cooperating with power supply systems.

Delta is known for quality and product reliability – in this solution that has been combined to optimize the total cost of ownership.

### Main features

- Compact size
  - 19IN 1U high
- Input configuration A+B (dual input)
  - removable common CU link
- Up to 20pcs of plug-in circuit breakers with front connection
  - 10pcs per input
- PLD for input A
  - optional

### Applications

- Telecom – Mobile / Wireless
  - Radio base stations / cell sites
  - LTE / 4G / WiMAX
  - 5G
- Telecom – Fixed
  - Telephony servers/switches
  - Fiber optics / FTTx
  - Microwave
- Tower companies

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Model	Basic PDU M-Type A+B/20Br	
Part number (without PLD)	CTEFDB2001.1002-S (no breakers included)	
Part number (with PLD)	CTEFDB2001.1003-S (no breakers included)	
General		
Design	Rack design, for installation on 19” standard supporters	
Input configuration	A+B (dual input) - removable common CU link	
Number of breakers	Up to 20 pcs of 1U plug-in circuit breaker (10 pcs per input)	
Cooling	N/A (natural cooling)	
Features		
Voltage range	42-58 V	
Max distribution current rating	300 A (150 A per input)	
Input connection (rear side)	2x M6 studs (common) - negative input 2x M6 studs (common) - positive input	
Load fuse rating per input	Up to 10x (6-63 A) or 4x (6-63 A) + 4x (80-125 A)	
Load fuse alarm	2x (one per input)	
Partial load disconnecter (optional)	1x 150A for input A	
Current measuring	NA	
Control and monitoring <sup>1)</sup>	4 PIN connector (Load fuse alarms A & B + PLD control)	
Other Specifications		
Operating temperature	-40 to +55 °C [-40 to +131 °F]	
Storage temperature	-40 to +85 °C [-40 to +185 °F]	
Relative humidity	95 %, non-condensing	
Dimensions (W x D x H)	483 x 250 x 44 mm [19 x 9.8 x 1.7 inch]	
Weight (excluding breakers)	Approximately 3.6 kg [7.9 lbs] – without PLD Approximately 4 kg [8.8 lbs] – with PLD	
Design Standards		
Electrical safety	IEC 62368-1: 2018 (3.ed), EN IEC 62386-1: 2020 + A11: 2020	
EMC	ETSI EN 300 386 v2.2.1:2022, EN 61000-6-1 /-2 /-3 /-4	
Environment	ETSI EN 300 019-2-1 (Class 1.2) /-2 (Class 2.3) /-3 (Class 3.2) Normal operating conditions as per IEC 62040-5-3:2016 clause 4.2. Other operating conditions as per IEC 62040-5-3:2016 clause 4.3, must be advised	

1) The connected power supply system must provide 2x free inputs and 1x LVD contact to support the full functionality of this PDU.

Specifications are subject to change without notice