

Circuit Breaker Distribution Panel

The DST is a high density Rackmount Distribution Panel designed to accommodate virtually any 48 VDC, 24 VDC or 12 VDC power distribution requirement. Its flexibility makes it ideal for all telecom site power requirements, large and small.

These distribution panels accommodate up to 10 or 20 circuit breakers (depending on model) within a compact rackmount housing, occupying only 2 RU of rack space. The circuit breakers feature a unique plug-in design which requires only front access for quick, easy installation during initial power system configuration, as well as future system expansion.



Features

Model DST-20A (UL) features dual isolated 10 circuit A and B buses, each rated at 450 amps, enabling redundant power configuration or different voltages/ground references. A and B inputs can also be paralleled, creating a single 900 amp bus.

Model DST-10 (UL) has a single 450 amp bus which accepts up to 10 breakers.

The plug-in circuit breakers insert securely into sockets recessed in the front access panel. Breaker alarm contacts allow optional remote tripped-breaker alarm/indication. A "mid-trip" function of the circuit breaker provides quick visual identification of a failed circuit and distinguishes between an over-current trip and intentional shut-off. When tripped, the toggle handle moves to a 90° position, halfway between the "on" and manual "off" position.

Note: The DST is shipped standard without circuit breakers.

Specifications

Electrical

Nominal Input/Output:

48VDC, 24VDC or 12 VDC

Total Circuit Capacity:

DST-20A: 20 Breakers

DST-10: 10 Breakers

Total Current Capacity:

DST-20A: 900 amps (dual 450 amp buses)

DST-10: 450 amps (one 450 amp bus)

Maximum Circuits per Bus: 10

Compliances

UL Listed:

1801 First Edition: Subject Standard for Power Distribution Center for Telecommunications Equipment

C22.2 No. 225-M90: Canadian Standards for Telecommunication Equipment

CE Marked

Circuit Breakers

UL Recognized

CE Marked

Current Ratings: 5, 10, 15, 20, 30, 40, 50, 75 or 100 amps

Breaker rating stamped beside toggle for easy reference

Voltage Rating: 80 VDC max.

Type: Plug-in with Auxiliary Contacts

Weight: 1 Lb



Specify the required amperages when ordering and plug them into the panel during installation.

Input/output wiring is rear access via bus bars that accept single or double hole lugs. Input/output buses are secured to the load breaker sockets via solid nickel-plated copper bus material.

Mounting brackets are provided to adapt the panel for 19" or 23" racks. Snap-in hole plugs are provided for unoccupied breaker positions and a clear protective cover which prevents accidental shut off of the breakers and also provides for convenient placement of circuit identification labels.

Mechanical

Bus Bars: Nickel-plated copper; accepts single or double hole lugs

Front Panel: Anodized aluminum

Cover, Rear Panel: Vinyl-laminated aluminum

Dimensions: (Both models)

(Inches)			(Centimeters)		
H	W	D	H	W	D
3.5	19/23	11	8.9	48.3/58.4	27.9

Weight (no breakers installed): DST-20A: 12 lbs., DST-10: 9 lbs.

Options

Return Bus Bar Assembly - Rear Rack Mount

800 amps; Model BBA-800

Rear Terminal Cover Assemblies

Model: RC-DST

Covers rear, top, sides of bus bars. (DST must be flush mounted to rack face for installation of cover)

Model: RRC

Covers rear, top, sides of multiple components in relay rack. Specify 19" or 23", 3 RU or 7 RU height. (DST may be either center or flush mount to use cover)

Alarm/Indicator

Tripped Breaker Contacts via Rear Panel Connector; Normally Open configuration

Note: Separate contacts for each bus on model DST-20A



Powering the Network