

1U 19" Distribution Panels

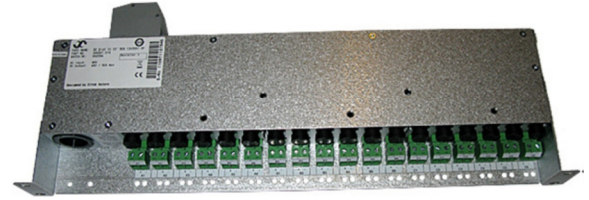
12/18 Way DC Distribution, 48V/90A With
Ceramic Fuses or Circuit Breakers

Compact and cost effective DC Distribution Panel

The 1U 19" Distribution Panels provide a cost-effective solution for over-current protection of the individual DC loads. The panels are designed for -48V and -60V applications, and are available in two versions:

-D00001.014; 1U 19" DC Distribution Panel, 90A (3x30A) with 18 ceramic load fuses ranging from 0.5A to 16A (5x20mm ceramic cartridge fuses)

-D00001.015, 1U 19" DC Distribution Panel, 90A (3x30A) with 12 circuit breakers ranging from 2A to 20A



1U 19" Distribution panel with Ceramic Fuses



1U 19" Distribution Panel with Circuit Breakers

1U 19" DISTRIBUTION PANELS

12/18 WAY DC DISTRIBUTION, 48V/90A

Doc D00001.01N.DS3 – rev4

APPLICATIONS

Wireless, fiber and fixed line communication

Today's communications demand state of the art, cost efficient and compact DC power systems. The 1U 19" Fuse Panels deliver a cost-efficient power distribution solution that can be easily adapted for applications where there is limited cabinet space.

Broadband and network access

Increasing network speed demands flexible and expandable DC power solutions. This Distribution Panels are a key building block for future needs.

Product Description (Part no. D00001.014)

A compact 18 way DC Distribution Panel. Up to 90A can be distributed across 18 individual outputs (max 30A in each group of 6 fuses). Each of the 18 outputs is protected by a ceramic fuse, which can be rated between 0.5A to 16A (5x20mm cartridge fuses).

Product Description

(Part no. D00001.015)

A compact 12 way DC Distribution Panel. Up to 90 A can be distributed across 12 individual outputs (max 30A in each group of 4 circuit breakers). Each of the 12 outputs is protected by a circuit breaker, which can be rated between 2A to 20A.

STANDARD 5X20MM OUTPUT FUSES (PART NO. D00001.014)

The unit comes with 18pcs 10A fuses installed. Fuse ratings of 0.5A to 16A can be used. (Time-lag, surge withstand ceramic body cartridge type fuses).

STANDARD CIRCUIT BREAKERS (PART NO. D00001.015)

The unit is not supplied with any circuit breakers, which must be ordered separately. Fuse ratings of 2A to 20A can be used.

KEY FEATURES

- COMPACT DESIGN**
The Distribution Panels are 1U height and only 293mm depth, an ideal solution for depth-restricted applications where a compact DC distribution is needed.
- FRONT ACCESS CABLING**
All cabling can be done from the front of the unit
- Output connections at the front of the unit. Cable tie fixing points in front of each load output
- Input connections at the back of the unit. Cable can be routed through the left side of the unit.
- CONNECTIONS**
Plug-in screw terminals for each load output. Screw terminals for DC input.
- ALARM INDICATIONS**
A green LED lamp above each load ceramic fuse (D00001.014) or "0" / "1" position automatic magnetic circuit breakers (D00001.015).
> ON or "1": Fuse OK
> OFF or "0": Fuse blown, or not installed
Also, a Load Fuse Alarm signal may be connected to external controller for fuse monitoring purposes

DC INPUT

Maximum voltage	-48V or -60V
Maximum current	90A(Max 30A per group of 4 or 6 fuses)
Input Protection	External protection is required. Max. fuse/breaker size: 90A
Input Connection	<ul style="list-style-type: none"> o Terminal blocks, screw connection. o Conductor size: 6-35mm² 10 to 2 AWG/kcmil **Solid conductor: 6mm ² to 35mm ² . Stranded conductor: 10mm ² to 25mm ²

DC OUTPUTS

Part No.	D00001.014	D00001.015
Load fuse ratings	Up to 18pcs 5x20mm fuses (2-16A). Max 90A total output current. Max 30A output pr group of 6 fuses	Up to 12pcs circuit breakers (2-20A). Max 90A total output current. Max 30A output pr. group of 4 MCB's
Fuse type	5x20mm Ceramic Cartridge Fuses	IPA CB
Load fuse connections	Pluggable terminal blocks at front. Up to 4.0 mm ² [AWG 11]	Pluggable terminal blocks at front. Up to 4.0 mm ² [AWG 11]

OTHER SPECIFICATIONS

Isolation	<ul style="list-style-type: none"> o 0.5 KVDC – input earth o 0.5 KVDC – output earth
Operating temp.	-40 to +75°C (-40 to +167°F)
Storage temp.	-40 to +80°C (-40 to +176°F)
Protection Class	IP20
Dimensions	<ul style="list-style-type: none"> o Height: 1U (44,4mm) o Width: 19" mounting (446mm + brackets) o Depth: 196mm depth.
Weight	Approx. 2kg [4,4lbs]

ALARM / MONITORING

Visual Alarm Indication	Green LEDs (D00001.014) or MCBs "0"/"1" position (D00001.015) > ON or "1": Fuse OK/installed > OFF or "0": Fuse blown, or not installed
Alarm Output	Fuse alarm output Terminal block at back (screw connection).

APPLICABLE STANDARDS

Electrical safety	IEC 60950-1 UL 60950-1
EMC	ETSI EN 300 386 V.1.3.2 (telecommunication network)
Environment	ETSI EN 300 019 ETSI EN 300 132-2

ORDERING INFORMATION

Part No.	Description
D00001.014	1U 19" DC Distribution Panel, 90A (3x30A) with Ceramic Fuses
D00001.015	1U 19" DC Distribution Panel, 90A (3x30A) with Circuit Breakers