

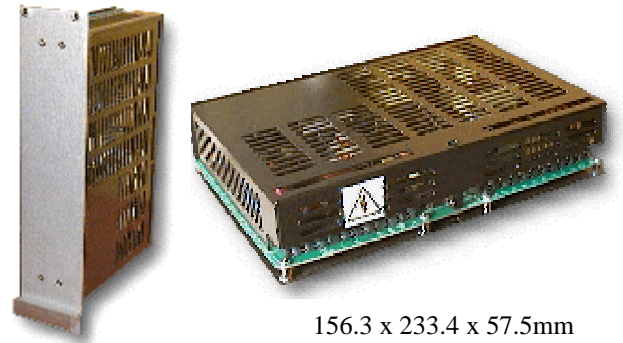
DCFS200 SERIES

200 Watt DC-DC Converter



Features:

- Fully isolated input to output
- Industry standard footprint
- Input voltages from 24Vdc to 400Vdc
- Up to five outputs available
- Front panel for 19" rack applications
- Reverse polarity protected
- Hot swap capability
- Thermal protection as standard



156.3 x 233.4 x 57.5mm

Description:

The DCFS200 series offers an industry standard footprint ideal for use within 19" rack systems or simply as stand-alone. Mounted vertically the product offers a 6U format whilst a 2U format is offered if mounted horizontally. Connections are via DIN 41612 connection or screw terminals as required. The product is available from single up to 5 outputs. Widely used in the telecommunications and data communications industries.

Specification:

Input

Input range : Contact sales
Inrush current : Meets relevant sections of BTNR 2511
Input current : Dependant upon input voltage requirement
Hold up time : >4mS @ full load
Input fuse: Consult sales

Output

Output voltages / currents: 600Vdc max / 40A current
Voltage adjustment : +/- 5% (V1)
Initial setting : 0.5%(V1);1.5%(V2 - V5)
Load regulation:<1% single o/p and V1;(2.5%V2-5) 10% min load
Line regulation : <0.5%
Cross regulation : 1% (V2-5) for 10% load change on V1
Ripple and noise: 0.2%RMS, 1% peak DC - 30MHz
Transient deviation : 5% for 50% load variation
Transient time : 2mS
Over voltage protection : 115 - 125% of V1
Over current protection : All outputs
Output power : 200 Watts convection cooled
Temperature coefficient : 0.02%/°C (V1)0.05%(V2-V5)
Shock and vibration : Meets MIL STD810E

Options

Connection via H11 DIN 41612 or 7.5mm screw terminal
Current share for parallel use
ORing diode for N+1
DC input powerfail signal
Output OK signal
Inhibit / enable control
Remote sense
Front panel to specification

Output ratings

Up to five outputs available
Output voltages up to 600Vdc
Max 40A current

General

Efficiency:
75-80% typical @ full load

MTBF:
>100,000 hrs to MIL217E @ 25°C

Environmental

Operating Temperature:
0 - 70°C De-rate at 2.5% /°C above 50°C

Storage Temperature:
-25°C to + 85°C

Operating humidity:
0 to 95% RH non-condensing

Safety & EMC

Isolation, input to earth : 2.5kVdc, >2.5mm
Isolation, input to output : 4.25kVdc, >6.4mm
Isolation, output to earth :
500Vdc (unless commoned)

Units designed to meet: EN60950, UL60950,
CSA 22.2 No. 950 & 234, EN41003

Emissions designed to meet: EN55022-B
(conducted) EN55022-A (radiated)

Immunity designed to meet: EN61000-4-2 (ESD)
(IEC801-2) EN61000-4-3 (radiated) (IEC801-3)
pending EN61000-4-4 (fast transients)
(IEC801-4) IEC801-5 (surge)

DCFS200 Series

Mechanical Details and Connections

TOP VIEW

CONNECTOR OPTIONS:
 7.5mm SCREW TERMINALS
 OR
 7.5mm RIGHT ANGLE SCREW
 TERMINALS

11	V2
10	V3
9	V4
8	0V
7	0V
6	0V
5	V1
4	V1
3	V1
2	+S
1	INH

A : M3 CAPTIVE NUT
 Maximum Insertion 6mm

Alternative Output
 Configurations Available –
 contact sales for H15

COMMON

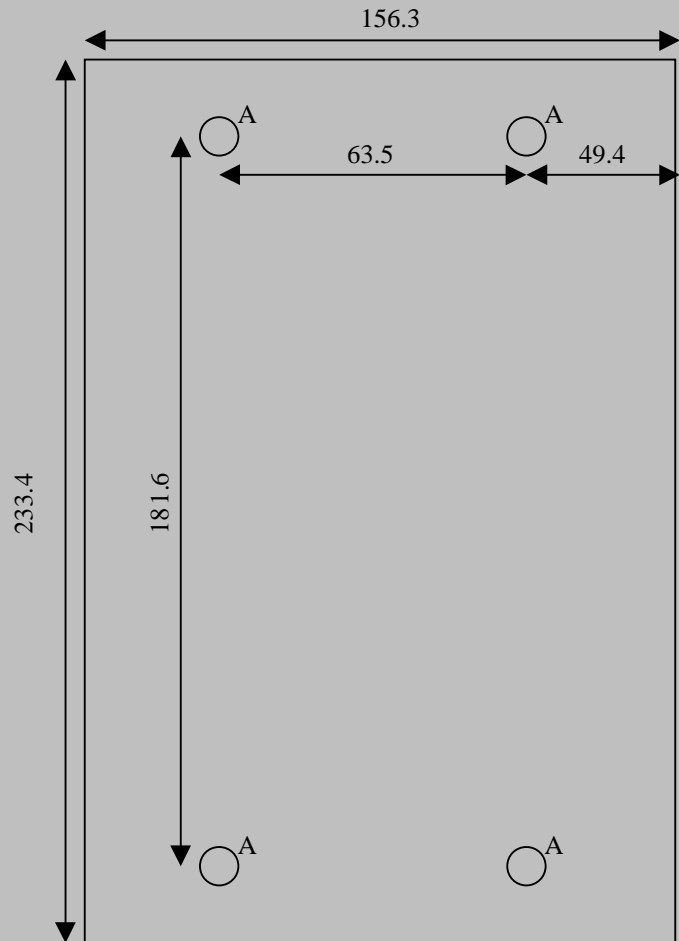
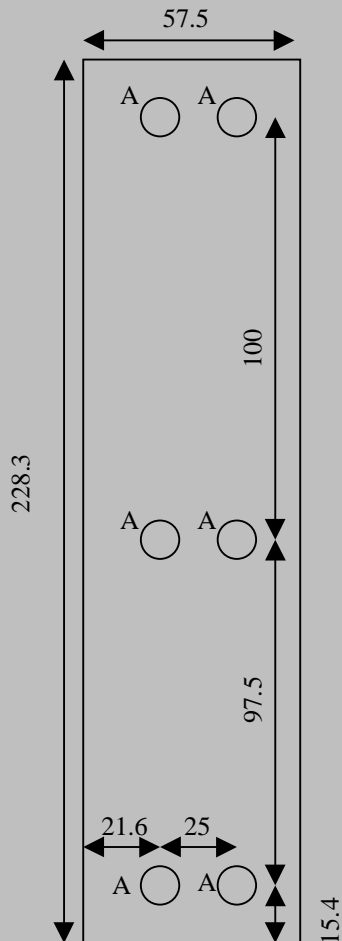
I SHARE

INPUT

11	PF
10	PF
9	B
8	A
7	E
6	
5	
4	-
3	+
2	
1	

SIDE VIEW

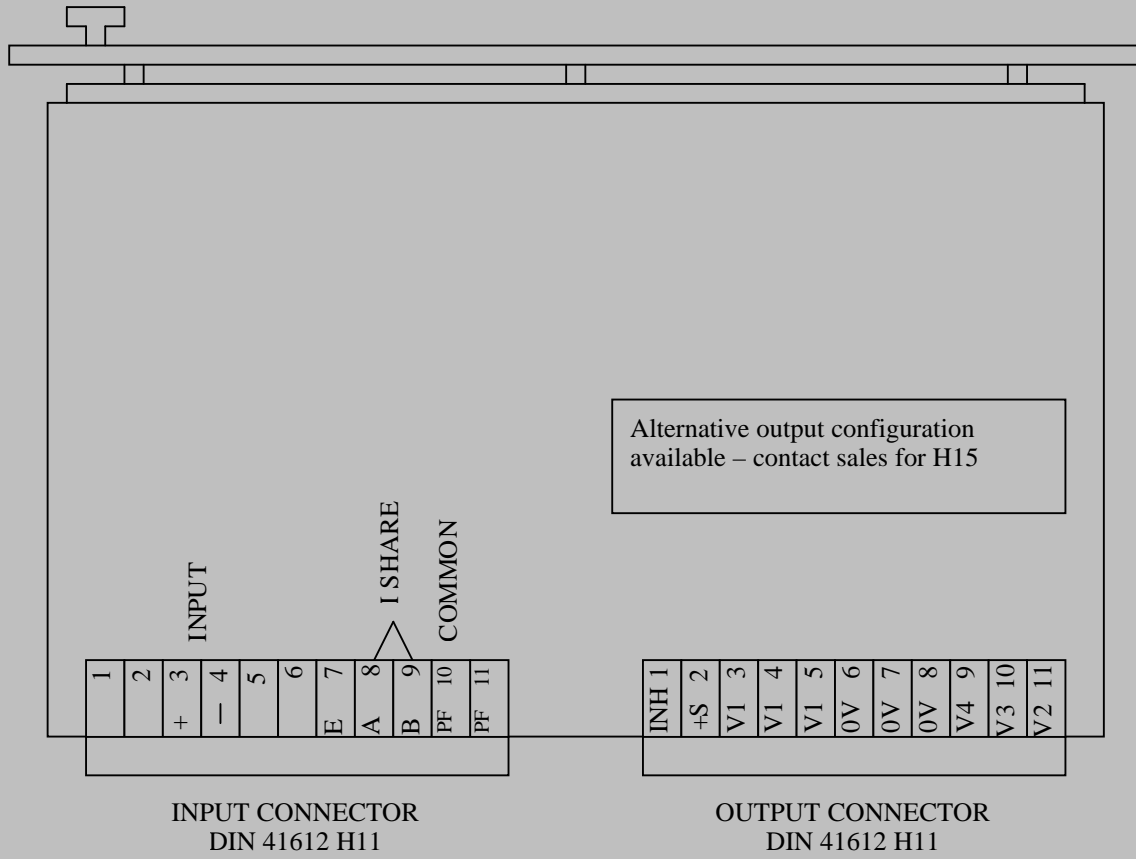
BOTTOM VIEW



FS200 Series

Mechanical Details and Connections

FS200 STANDARD DEPTH (160mm) EURORACK 6U x 12HP (TE)



NOTE: THE POWER SUPPLY IS DESIGNED TO SLIDE IN THE RACK ON THE "PCB".

