

INTERGY DC PRODUCT SPECIFICATIONS

INTERGY DCF1000/0600/0403 Series: 20 A - 630 A, 4U/6U/7U

MODEL SELECTION

Model	Fuses	MCBs*	LVD*
DCF1000	up to 10 × DIN size 00 (20 A - 160 A)	-	-
DCF0600	up to 6 × DIN size 00 (20 A - 160 A)	refer to Options	1 x 400 A or 2 x 400 A
DCF0601	up to 6 × DIN size 1 (63 A - 250 A)	refer to Options	1 x 400 A or 2 x 400 A
DCF0602	up to 6 × DIN size 2 (200 A - 400 A)	refer to Options	1 x 400 A or 2 x 400 A
DCF0403	up to 4 × DIN size 3 (400 A - 630 A)	-	-

*Optional

ELECTRICAL SPECIFICATIONS

Voltage Range: 8.7 V - 70 V (+ or - earth)

Maximum Current: DCF1000: 1600 A
 DCF0600: 960 A
 DCF0601: 1500 A
 DCF0602: 2400 A
 DCF0403: 2520 A

Fuse Current Ratings

DIN size 00: 20A, 32A, 40A, 50A, 80A, 100A, 125A, 160A
 DIN size 1: 63A, 100A, 125A, 160A, 200A, 250A
 DIN size 2: 200A, 250A, 315A, 400A
 DIN size 3: 400A, 500A, 630A

Fuse Fault Rating: 120 kA

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In the interests of continual product improvement all specifications are subject to change without notice.

Performance ratings are valid with all other variables at Nominal. Specifications guaranteed over operating range.

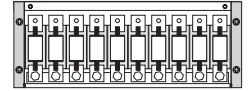
ALARMS

Fuse Fail Alarm: Electronic type with load detection, RJ45 output connection to Supervisory Module (alarm may loop to other DCM or DCF modules)

Stand Alone Operation: Auxillary relay contacts for customer's alarm

Note:

If fuses are used for battery protection then auxiliary fail contacts have to be fitted to provide a Fuse Fail Alarm.

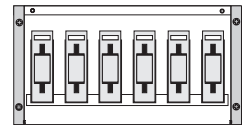


DCF1000 Series

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature

Nominal: 25°C ± 5°C [77°F ± 9°F]
Rated Operating Range: -10°C to +50°C [14°F to 122°F]



DCF0600 Series

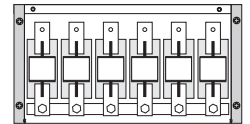
Humidity

Nominal: 50% ± 10%RH
Range: <95%RH (Non-condensing)

MECHANICAL

Dimensions H, W, D

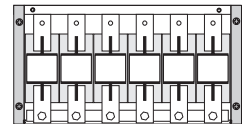
DCF1000: 177 mm (4U), 480 mm, 195 mm
[7.0" (4U), 19" mounting, 7.7"]



DCF0601 Series

DCF0600, DCF0601, DCF0602: 266 mm (6U), 480 mm, 181 mm
[10.5" (6U), 19" mounting, 7.1"]

DCF0403: 311 mm (7U), 480 mm, 236 mm
[12.25" (7U), 19" mounting, 9.3"]



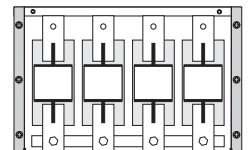
DCF0602 Series

Cable Terminations: M10 bolts supplied

Fuse Type: Blade, cartridge, 500 V type gG

Fuse Removal

All except DCF1000: Removal tool supplied, fitted to inside of front cover



DCF0403 Series

DCF1000: Fuse remover is built into fuse carrier

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OPTIONS

MCB Option (DCF0600, DCF0601, DCF0602 Series only)

Option 1: Replace 2 fuses with: up to 7 × C60 type (3 A – 63 A) or
up to 5 × NC100 type (10 A – 100 A)

Option 2: Replace 4 fuses with: up to 15 × C60 type (3 A – 63 A) or
up to 10 × NC100 type (10 A – 100 A)

MCB Current Ratings

C60 type: 3A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
NC100 type: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A

MCB Fault Rating

C60 type: 15 kA @ 60 V DC
NC100 type: 20 kA @ 60 V DC

MCB Load Cable Terminations

C60 type MCBs (3 A – 25 A): 25 mm² maximum conductors
C60 type MCBs (32 A – 63 A): 35 mm² maximum conductors
NC100 type MCBs (10 A – 63 A): 35 mm² maximum conductors
NC100 type MCBs (80 A – 100 A): 50 mm² maximum conductors

LVD Options (DCF0600 Series only)

400A single or double unit, controlled from Supervisory Module
LVD 401 - 20 1 x 400 A
LVD 402 - 20 2 x 400 A

COMPLIANCES

Safety: EN 60950, AS/NZS 3260

EMC - immunity

Electrostatic discharge EN 61000-4-2
Radiated radio frequency EN 61000-4-3
Electrical fast transients EN 61000-4-4

CERTIFICATIONS

DCM1000/1600/2400: CE-mark



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