

Mains Distribution Modules - 19" rack fixing



Illustrated Models = MDM-1U+2U+3U.....(EIA/PDL)

INTRODUCTION :-

These typical MAINS/Power DISTRIBUTION MODULES have been designed to provide low current Mains Power to various internal or external mobile or portable Test and Measurement Equipments from the front or from within 19" Equipment Racks. The basic sizes (1~3 Rack Units x 50~150mm deep) have been chosen to contain up to 2 levels circuit protection, status indicators and from 4 up to 12 NZ /Australian outlets. With minor re-assembly, the unit may also be fixed internally or at the rear of a 19" Rack where it can distribute power to internal rack equipments. Other CASA module sizes will accommodate customers specific requirements as appropriate.

Variations on the basic design can accommodate multipole terminal strips, EIA/IEC mains plugs and sockets, miniature circuit breakers, fuses, neon indicators and switches for individual outlets, RFI/EMI Filters, Voltage & Hour Metering etc.

CASA's Design Philosophy:- Compatibility, Adaptability, Simplicity and Acceptability achieves sound Engineering, Cost Economy and Aesthetics.

FEATURES:-

- 1) **New Zealand and Australian 3 pin** (industrial quality) power **sockets** are used to connect to the external (or internal equipments).
- 2) Standard MAINS DISTRIBUTION MODULE uses internationally available **EIA/IEC Power Cable** for the input supply.
- 3) **Modular** Design permits SPECIALS, such as alternative finishes and electrical or mechanical variants can be produced

General Specification Details:-

➡	Panel Width (Standard overall width of front & rear panels) :-	17" (431.8mm) bare 19" (with rack brackets)
	Depth (behind front panel excluding connectors, cables etc.)	100mm (plus fittings)
➡	Panel Height (Standard rack units. See CASA Rack Module data sheet):-	43.7~132.5mm (1~3 rack units)
	Input Rating (Current ratings are limited by source connection):-	5-10 Amps @ 240V 50Hz
➡	Output Rating (Current ratings are limited by connector type & source):-	5 Amps MAX on any outlet
➡	Finishes (variations on CASA's standards are available):-	Anodized (Aluminum Parts) Gold passivated Zinc (steel)
➡	Fixing:-	Standard 19" Rack Centres
	Weight:-	from 1.5Kg (approx)

Intelligent Part Number:- MDM-xxUxD-xAyW(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

MDM-	Prefix to indicate "MAINS DISTRIBUTION MODULE".
xxU-	HEIGHT in RACK Units (multiples of 44.45mm).
D-	DEPTH in mm (multiples of 50 millimeters from 50 to 500mm max)
xA-	Maximum CURRENT rating for whole module in "AMPS"
yW-	The total number of output "WAYS" or sockets (6W = 6 Outlets)
(-----)	Special adder/suffix gives detail of Input/Output connectors, specification or Drawings etc.

DC Distribution Module - 3 Unit



INTRODUCTION :-

Illustrated Model = DCDM-3U-100-DIN380(ALS) (picture file = dcdm-35w.wmf)

Direct Current DISTRIBUTION MODULEs have been designed to provide low to medium current, 12/24/48 Volt DC power distribution for fixed wired 19" Rack Mounted Equipments. The basic sizing (3 Rack Units x 150mm deep) has been chosen to accommodate standard DIN Rail mounted circuit protection and industry standard input and output cable termination.





Variations on the basic design can accommodate multipole terminal strips, connectors, status indicators, voltage and current or hour metering, RFI/EMI filters etc.

CASA's Design Philosophy:- Compatibility, Adaptability, Simplicity and Acceptability achieves sound engineering, cost economy and pleasing aesthetics.

FEATURES:-

- 1) **DIN Rail** is used to mount all internal circuit protection and wire termination using internationally available devices
- 2) **Standard 19" sub-rack enclosure** fits into any standard 19" rack cabinets or frames etc.
- 3) **REMOVABLE Front panel** allows quick access to wiring, test-points etc. during installation and maintenance
- 4) **MODULAR Design** permits SPECIALs, including alternative finishes and electrical or mechanical variants can be produced economically even in small quantities.
- 5) **Custom** design can be undertaken to meet special requirements including other fixing options. Please enquire giving details of features and quantities.

Specification Details:-

	Panel Width (Standard overall width of front & rear panels) :-	17" (431.8mm) bare 19" (with rack brackets)
	Depth (behind Front Panel excluding connectors, cables etc.)	50~500mm (in 50mm increments)
	Panel Height (Standard rack units. See CASA Rack Module data	132.5mm (3 rack units)
	Input Rating (Current ratings are limited by source connection):-	5-50 Amps (typical)
	Output Rating (Current ratings are limited by connector type &	5-50 Amps (typical)
	Finishes (Standard):-	Anodized (Aluminum Parts) Gold passivated Zinc
	Fixing:-	Standard 19" Rack Centres
	Weight:-	2Kg (approx)

Part Number:- DCDM-xxU-d-DINy(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

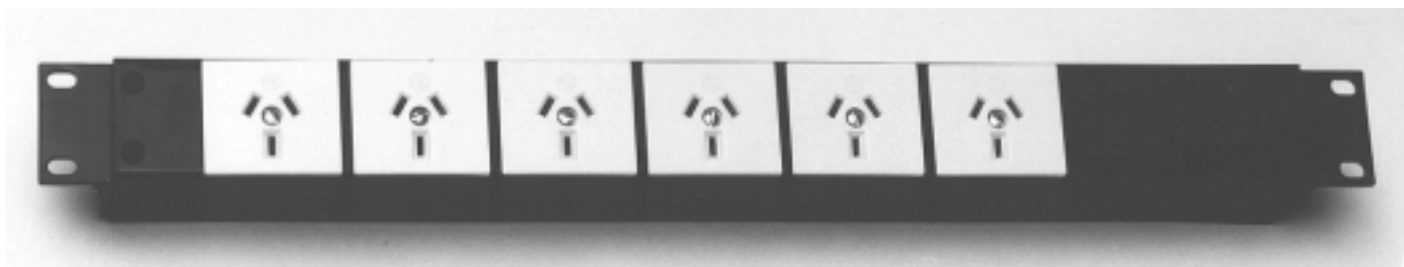
DCDM	Prefix to indicate "Direct Current Distribution Module".
xxU-	"HEIGHT" in RACK Units (multiples of 44.45 millimeters).
d-	Depth in mm (internal dimension inside the module front/back panels)
yy-	The fitted length of DIN rail installed in the module
(-----)	Special adder/suffix gives detail of Input/Output connectors or Drawings.

Date - 20th May, 2000

e-mail = sales@casa.co.nz

Ref - MDU-1U6W.FRP

Mains Distribution Unit - NZ Socket



Illustrated Model = MDU-1U-6W-15A-BEP (mdu-1u6w.wmf)

INTRODUCTION :-

This MAINS DISTRIBUTION MODULE is designed to provide low current Mains Power at the front or rear of 19" Equipment Racks and may be supplied from an internal connections within Rack or Cabinet.

The standard size (1 Unit x 6 ways) has been chosen to give the maximum density of outlets and yet accommodate circuit breaker, fuse, switch options.

Optional power conditioning filters, circuit protection and status indicators add sophistication for critical equipments and some options can be retrofitted to the basic design.

Further variations on the basic design can accommodate higher currents, terminal strips, EIA/IEC mains plugs and sockets, miniature circuitbreakers, fuses, neon indicators and switches for individual outlets, RFI/EMI filters, voltage & hour metering etc.

CASA's Design Philosophy:

Compatibility, Adaptability, Simplicity and Acceptability achieves sound engineering, cost economy and aesthetics.

FEATURES:

- 1) **New Zealand and Australian 3 pin** (industrial quality) power **sockets** are used to connect to equipments.
- 2) Standard STRIPs use **15 Amp** (1.5mm²) internal wiring and input power cable (if fitted).
- 3) **Modular** Design and the separate rack fixing brackets permit mounting in several orientations, including internal or external access to the power outlets. SPECIALs, including alternative finishes and electrical or mechanical variants which can be produced economically even in small quantities.
- 4) **Custom** design can be undertaken to meet special requirements. Please enquire giving details of features (including alternative connectors etc.) and quantities.

Specification Details:-

➡	Length (Standard overall length end-end) :-	17" without brackets or 19" with brackets
	Depth (behind Front Panel excluding connectors, cables etc.):	50mm (or 75mm optional)
	Panel Height (Standard rack units. - see drawing):	43.7mm (1 rack unit)
➡	Input Rating (Current ratings are limited by source connection):	5-15 Amps @ 240V 50Hz
	Output Rating (Current ratings limited by connector type etc.):	15 Amp MAX on any outlet
➡	Finishes (Black is Standard):	Epoxy Powder Coating (other colours to order)
➡	Fixing (8 x M4 threaded fasteners are provided at each end):	Optional 1U Rack Brackets
	Weight:	2.3 ~ 4Kg (approx.)

Part Number:- MDU-xxW-xA-zz(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

MDU-	Prefix to indicate "MAINS DISTRIBUTION UNIT".
xxW-	Number of "WAYS" (outlets provided) standards are 10 or 20 Way.
xxA-	Maximum "CURRENT" rating for whole module in "AMPS"
zz-	Finnish / Colour (BEP = Black Epoxy Powder)
(-----)	Special adder/suffix gives detail of Input/Output connectors etc.

Mains Distribution Strips - NZ Socket

INTRODUCTION :-

These MAINS DISTRIBUTION STRIPS have been designed to provide low current Mains Power for 19" Rack Mounted Equipments supplied from internal connections within Equipment Racks or Cabinets.

The standard sizes (10 or 20 ways) have been chosen to accommodate most requirements. Spacing of the outlets provides 2 sockets for every 3 rack units.

Optional power conditioning filters, circuit protection and status indicators add sophistication for critical equipments and some options can be retrofitted to the basic design.

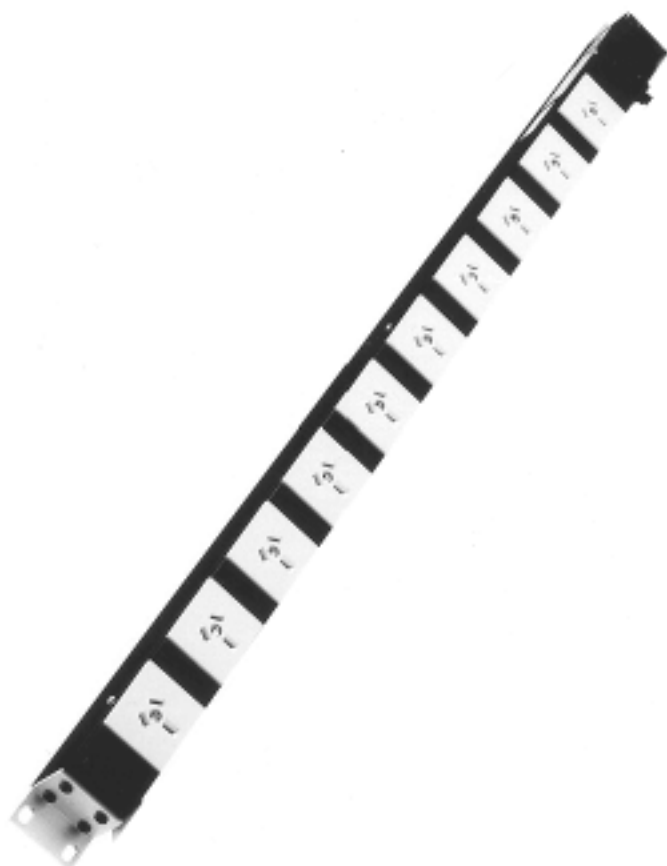
Other variations on the basic design can accommodate higher currents, terminal strips, EIA/IEC mains plugs and sockets, miniature circuitbreakers, fuses, neon indicators and switches for individual outlets, RFI/EMI filters, voltage & hour metering etc.

CASA's Design Philosophy:

Compatibility, Adaptability, Simplicity and Acceptability achieves sound engineering, cost economy and aesthetics.

FEATURES:

- 1) New Zealand and Australian 3 pin** (industrial quality) power **sockets** are used to connect to equipments.
- 2) Standard STRIPs** use **15 Amp** (1.5mm²) internal wiring and input power cable (if fitted).
- 3) Modular** Design permits SPECIALs, including alternative finishes and electrical or mechanical variants which can be produced economically even in small quantities.
- 4) Custom** design can be undertaken to meet special requirements. Please enquire giving details of features (including alternative connectors etc.) and quantities.



Illustrated Model = MDS-10W-15A-BEP (mds-10wv.wmf)

Specification Details:-

➡	Length (Standard overall length end-end) :-	1415mm (20 way) 765mm (10 way)
	Depth (behind Front Panel excluding connectors, cables etc.):	50mm (or 75mm optional)
	Panel Height (Standard rack units. - see drawing):	43.7mm (1 rack unit)
➡	Input Rating (Current ratings are limited by source connection):	5-15 Amps @ 240V 50Hz
	Output Rating (Current ratings limited by connector type etc.):	15 Amp MAX on any outlet
➡	Finishes (Black is Standard):	Epoxy Powder Coating (other colours to order)
➡	Fixing (8 x M4 threaded fasteners are provided at each end):	Optional 1U Rack Brackets
	Weight:	2.3 ~ 4Kg (approx.)

Part Number:- MDS-xxW-xA-zz(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

MDS-	Prefix to indicate "MAINS DISTRIBUTION STRIP".
xxW-	Number of "WAYS" (outlets provided) standards are 10 or 20 Way.
xxA-	Maximum "CURRENT" rating for whole module in "AMPS"
zz-	Finnish / Colour (BEP = Black Epoxy Powder)
(-----)	Special adder/suffix gives detail of Input/Output connectors etc.