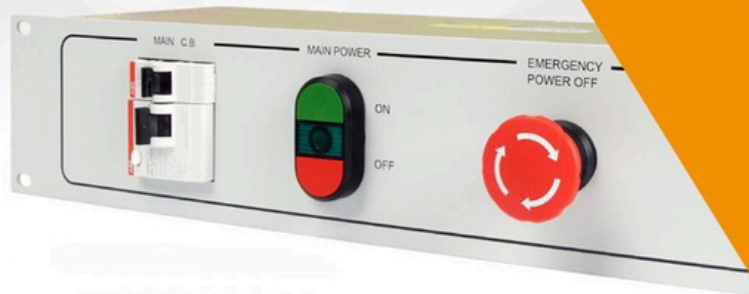


**ALEXANDER
SCHNEIDER**

THE POWER OF EXCELLENCE

APPLICATION SPECIFIC POWER DISTRIBUTION UNITS (PDUs)



www.schneider.co.il



info@schneider.co.il



8a Hazoran St., Sapir Industrial Park,
Netanya, 4250608, Israel



+972-9-8924444

+972-9-8924455

Alexander Schneider

Over Half a Century of Excellence

Alexander Schneider is a leading provider of outstanding IT and OT infrastructure solutions for OEMs, enterprise, and IT Data center.

400 loyal customers, countless successful projects, and a huge variety of the very best quality products are the reasons Alexander Schneider has continued to grow and develop maintaining its spirit of excellence since 1963.

We design and build PDUs specifically for your application. Our design team has successfully designed over 100 custom PDUs. Models include modular 48VDC PDUs for Telecom, Rugged MIL-STD 810G, PDUs for ATE with front access EPO and many more.

Table of Contents

Power Distribution Unit 230VAC 1 Phase	<u>3</u>
Dual Input Voltage Power Distribution Units	<u>6</u>
Multiple Input Voltage Power Distributions Units	<u>8</u>
Power Distributions Unit with a Circuit Breaker Per Outlet	<u>10</u>
3 Phase Power Distributions Unit	<u>12</u>
Unit for Uninterruptible Power Supply (UPS) with a Changeover Function	<u>14</u>
Industrial Power Distribution Unit for Uninterruptible Power Supply (UPS)	<u>16</u>
MIL-STD-810G DC Power Distribution Unit	<u>18</u>
Specifications – Active FPGA Controlled MIL-STD PDU	<u>20</u>
Telecom DC Power Distribution Unit with Configurable Redundant Input DC4x125	<u>22</u>

Power Distribution Unit 230VAC 1 Phase

Overview

The ELC1 family is a Rack mount Power Distribution Unit with front access for safety and control. This 230VAC 1 Phase PDU family features main circuit breakers, on/off switch and an Emergency Power Off switch at the front panel control. The outlets are located on the rear panel and are customer defined.

Front View



Rear View



Specifications

ELECTRICAL	
No. of phases	1 PH
Main circuit breaker	16A
Nominal input voltage	110/230 VAC
Acceptable input voltage	± 10% of nominal voltage
Inlet frequency	50 Hz/ 60 Hz
Residual-current device	30mA
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
Emergency Off (EMO)	Yes
PHYSICAL	
Dimensions (H x W x D)	2U/88.1 x 483 x 130 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating > Storage	-10°C to 55°C -40°C to 80°C
Humidity	
> Operating > Storage	10 - 90% RH non-condensing 10 - 95% RH
COMPLIANCE	
Safety	IEC 61010

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC1
2 Voltage Code	
3 No. of Outlets	
4 Outlet Type	
5 Input 2 Cable Type	
6 Off-the-shelf	

For Example:

1 Series	ELC1
2 Voltage Code	230
3 No. of Outlets	8
4 Outlet Type	C
5 Inlet Cable Type	I
6 Off-the-shelf e.g	ELC1-230-6-I-I (ELC-30-0002)

1 Series

ELC1

2 Voltage Code

230 - 230 VAC (50 Hz)

110 - 110 VAC (60 Hz)

WR - Wide Range 110-230 VAC (50-60 Hz, W.O RCCB)

3. No. of Outlets

14 - 4 outlets (IEC only)

8 - 8 outlets(IEC only)

12 - 12 outlets(IEC only)

6 - 6 outlets (Israeli only)

4. Outlet Type

C - IEC-320-C13

I - Israeli socket

5. Input 2 Cable Type (115)

C - IEC-320-C20 to IEC-309

I - IEC-320-C20 to Israeli cable type

PG - PG Inlet to IEC-309

6. Special Editions and accessories (See note)

K - E-stop protective shroud

E - EPO Additional auxiliary NC dry contact (Ext' via back panel)

R - Additional RCCB (Wide range only)

L - Cord Retaining Kit

SCB2 - Outlet sockets Circuit Breakers (x2)

O - Customer project-related additions

Off the shelf products (Best sellers, No MOQ):

ELC1-230-6-I-I (ELC-30-0002)

ELC1-230-8-C-I (ELC-30-0004)

ELC1-110-8-C-C (ELC-30-0027)

ELC1-230-12-C-I-L (ELC-30-0040)

ELC1-230-12-C-PG-SCB2 (32A) (ELC-30-0043)

ELC1-WR-8-C-I (ELC-30-0067)

·Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details



August 25, 2020

Att.: Shimon Meshulam,
Yaniv Tahar
Alexander Schneider

Subject: Safety Evaluation of Power Distribution Unit
models ELC-30-0002, ELC-30-0004 by Alexander Schneider

SII P.O.: 7012317158

Dear Sirs,

Please be advised that the Power Distribution Unit, models ELC-30-0002, ELC-30-0004 by Alexander Schneider, has successfully passed Safety tests at the Electrical Safety Branch of the Electrical and Electronics Laboratory of the Standards Institution of Israel according to the requirements of the standards listed below.

Model ELC-30-0002

SI 61010 part 1:2013

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Model ELC-30-0004

IEC 61010-1: 2010 + A1:2016 / EN 61010-1: 2010 + A1:2019

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

The detailed test report is in the process of preparation and will be provided to you as soon as it is completed.

Should you have any questions, please do not hesitate to contact us.

Sincerely Yours,

Vladimir Chernikh
Senior Safety Compliance Engineer
Electrical Safety Sector
Medical Devices, Laser and Electrical Safety Branch
Electrical and Electronics Laboratory
The Standards Institution of Israel
Phone: +972 3 6465244
E-mail: vladimirc@sii.org.il

Dual Input Voltage Power Distribution Units

Overview

The ELC2 family is designed for ATE systems for Avionic applications.

This ELC2 family is a Rack mount Power Distribution Unit with Dual input voltages and a front access for safety and control. The front panel control also includes two main circuit breakers, on/off switches and shared Emergency Power Off Operation.

The ELC2 family features 115VAC-400HZ inputs, and a second input that can be either 230VAC-50HZ or 110VAC-60HZ.

The outlets are located on the rear panel.

Front View



Rear View



Specifications

ELECTRICAL	
No. of phases	1 PH
Main circuit breaker	10A, 16A
Nominal input voltage	110/230 VAC and 115 VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50 Hz /60 Hz and 400 Hz
Residual-current device	30mA (110/230 VAC only)
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
Emergency Off (EMO)	Yes
INLETS& OUTLETS	
1) IEC-320-C20	110/230 VAC Inlet socket
(4) IEC-320-C13	110/230 VAC Outlet socket
(1) D38999/20W D4PN	115 VAC Inlet socket
(1) D38999/20W D4SN	115 VAC Inlet socket
PHYSICAL	
Dimensions (H x W x D)	2U/88.1 x 483 x 130 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating > Storage	-10°C to 55°C -40°C to 80°C
Humidity	
> Operating > Storage	10 - 90% RH non-condensing 10 - 95% RH
DESIGN ACCORDING TO IEC 61010	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC2
2 Voltage Code	
3 Current Rating	
4 Input 1 Cable Type	
5 Input 2 Cable Type	
6 Off-the-shelf	

For Example:

1 Series	ELC2
2 Voltage Code	230
3 Current Rating	10
4 Input 1 Cable Type	I
5 Input 2 Cable Type	N
6 Off-the-shelf e.g	ELC2-230-16-I-N (ELC-30-0028)

1. Series

ELC2

2. Voltage Code

230 - 230 VAC (50 Hz) / 115 VAC (400 Hz)
110 - 110 VAC (60 Hz) / 115 VAC (400 Hz)

3. Current Rating(Ampere)

10 - 10 Amp (110/230 VAC) + 10 Amp (115 VAC)
16 - 16 Amp (110/230 VAC) + 10 Amp (115 VAC)
O - Customer project-related customization
(See note)

4. Input 1 Cable Type (110/230)

C - IEC-320-C20 to IEC-309
I - IEC-320-C20 to Israeli cable type

5. Input 2 Cable Type (115)

C - D38999to IEC-309
N - D38999 to Nema 5-15P

6. Special Editions and accessories (See note)

O - Customer project-related additions

7. Off the shelf products

(Best Sellers, No MOQ):

ELC2-230-16-I-N (ELC-30-0028)
ELC2-110-10-C-N (ELC-30-0041)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

Multiple Input Voltage Power Distribution Unit

Overview

The ELC3 family is designed for ATE systems for Avionic applications. This family features 28VDC on 230VAC-50HZ inputs, and a third input that can be either 230VAC-50HZ or 110VAC-60HZ.

The ELC3 family is a Rack mount Power Distribution Unit with front access for safety and control. The front panel control is divided to AC and DC with main circuit breakers, on/off switches and shared Emergency Power Off Operation.

The outlets are located on the rear panel.



Specifications

ELECTRICAL	
No. of phases	1 PH
Main circuit breaker	Up to 25A each Input
Nominal input voltage	28VDC, 115VAC, 110/230VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50 Hz /60 Hz and 400 Hz
Residual-current device	30mA (110/230 VAC only)
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
Emergency Off (EMO)	Yes
INLETS & OUTLETS	
(1) IEC-320-C20	110/230 VAC Inlet socket
(3) IEC-320-C19	110/230 VAC Outlet socket
(1) D38999/20W D4PN	115 VAC Inlet socket
2) D38999/20W D4SN	115 VAC Inlet socket
(4) D38999/20W C4PN	28 VDC Inlet socket
(2) D38999/20W C4SN	28 VDC Outlet socket
PHYSICAL	
Dimensions (H x W x D)	4U/178 x 483 x 400 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating > Storage	-10°C to 55°C -40°C to 80°C
Humidity	
> Operating > Storage	10 - 90% RH non-condensing 10 - 95% RH
DESIGN ACCORDING TO IEC 61010	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC3
2 Voltage Code	
3 Current Rating	
4 Input 1 Cable Type	
5 Input 2 Cable Type	
5 Input 3 Cable Type	
Off-the-shelf	

For Example:

1 Series	ELC3
2 Voltage Code	230
3 Current Rating	10
4 Input 1 Cable Type	C
5 Input 2 Cable Type	C
5 Input 3 Cable Type	W
6 Off-the-shelf e.g	ELC3-230-10-C-C-W (ELC-30-0059)

1. Series

ELC3

2. Voltage Code

230 - 230 VAC (50 Hz) / 115 VAC (400 Hz)
110- 110 VAC (60 Hz) / 115 VAC (400 Hz) / 28 VDC

3. Current Rating(Ampere)

10 - 10 Amp
16 - 16 Amp
20 - 20 Amp

4. Input 1 Cable Type (110/230)

I - Israeli cable type (up to 16 A)
C - IEC-309

5. Input 2 Cable Type (115)

C - D38999to IEC-309

5. Input 3 Cable Type (115)

W - D38999 to Open Wire

7. Special Editions and accessories (See note)

O - Customer project-related additions

Off the shelf products

(Best Sellers, No MOQ):

ELC3-230-10-C-C-W (ELC-30-0059)

ELC3-110-10-C-C-W (ELC-30-0060)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

Power Distribution Unit With a Circuit Breaker Per Outlet

Overview

The ELC4-I (Industrial) and the ELC4-M (Military) PDUs are designed with a dedicated circuit breaker per outlet.

The user can easily and safely access all circuit breakers and view all indicator lights from the front of the cabinet.

With industrial circuit breakers



With Military circuit breakers



Specifications

ELECTRICAL	
No. of phases	1 PH
Main circuit breaker	Up to 63A (2 Pole)
Nominal input voltage	110/230 VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50 Hz / 60 Hz
CONTROL	
Start/Stop operation	No- Optional only
Main circuit breaker	Yes
Emergency Off (EMO)	No- Optional only
PHYSICAL	
Dimensions (H x W x D)	2U/4U* x 483 x 300 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating	-10°C to 55°C
> Storage	-40°C to 80°C
Humidity	
> Operating	10 - 90% RH non-condensing
> Storage	10 - 95% RH
DESIGN ACCORDING TO IEC 61010	

* 4U Industrial , 2U Military

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	
2 Voltage Code	
3 Current Rating	
4 No. of Outlet	
5 Outlet Type	
6 Off-the-shelf	

For Example:

1 Series	ELC4-I
2 Voltage Code	230
3 Current Rating	12
4 No. of Outlet	16
5 Outlet Type	C
6 Off-the-shelf e.g	ELC4-I-230-16-3-C

1. Series

ELC4-I - Industrial

ELC4-M - Military

2. Voltage Code

230 - 230 VAC (50 Hz)

110 - 110 VAC (60 Hz)

3. Current Rating (Ampere)

10 - 10 Amp

16 - 16 Amp

32 - 32 Amp

63 - 63 Amp

4. No. of Outlets

6 - 6 Outlets IEC-320-C13/ IEC-320-C19

8 - 6 Outlets IEC-320-C13/ IEC-320-C19

10 - 10 Outlets IEC-320-C13/ IEC-320-C19

12 - 12 Outlets IEC-320-C13/ IEC-320-C19

5. Outlet Type

C - IEC-320-C13

D - IEC-320-C19

6. Special Editions and accessories (See note)

O - Customer project-related additions

*Input cable is not included

Off the shelf products (Best Sellers, No MOQ):

ELC4-M-230-16-10-C

ELC4-I-230-16-12-C

ELC4-I-230-16-3-C

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

3 Phase Power Distribution Unit

Overview

The ELC5 family features easy and safe access to the main circuit breakers located on the front panel.

The front panel also includes the On/Off switch, indicator lights and an Emergency Power Off switch.

The outlets are located on the rear panel and are customer defined. The outlets are single phase.

Rear panel with customer defined outlets



Specifications

ELECTRICAL	
No. of phases	3 PH
Main circuit breaker	63A
Nominal input voltage	110/230 VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50 Hz / 60 Hz
Outlet	IEC-320-C19
Inlet	Hard wire
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
Emergency Off (EMO)	Yes
PHYSICAL	
Dimensions (H × W × D)	4U/178 x 483 x 450 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating > Storage	-10°C to 55°C -40°C to 80°C
Humidity	
> Operating > Storage	10 - 90% RH non-condensing 10 - 95% RH
DESIGN ACCORDING TO IEC 61010	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC5-3P
2 Voltage Code	
3 Current Rating	
4 No. of Single Pole Outlet C.B	
5 No. of Outlets	
6 Outlet Type	
7 Off-the-shelf	

For Example:

1 Series	ELC5-3P
2 Voltage Code	230
3 Current Rating	32
4 No. of Single Pole Outlet C.B	2
5 No. of Outlets	6
6 Outlet Type	D
7 Off-the-shelf e.g	ELC5-3P-230-32-6-2-D (ELC-30-0057

1. Series

ELC5-3P

2. Voltage Code

230 - 230 VAC (50 Hz)

110 - 110 VAC (60 Hz)

3. Current Rating (Ampere)

10 - 10 Amp

16 - 16 Amp

32 - 32 Amp

63 - 63 Amp

*Input cable is not included

4. No. of Single Pole Outlet C.B

3 - 3 Circuit Breakers

6 - 6 Circuit Breakers

5. No. of Outlets per C.B

1 - 1 Outlet IEC-320-C13/ IEC-320-C19

2 - 2 Outlets IEC-320-C13/ IEC-320-C19

3 - 3 Outlets IEC-320-C13/ IEC-320-C19

6. Outlet Type

C - IEC-320-C13

D - IEC-320-C19

7. Special Editions and accessories

(See note)

A - Additional 3PH Outlet

O - Customer project-related additions

Off the shelf products

(Best Sellers, No MOQ):

ELC5-3P-230-16-3-4-C (ELC-30-0033)

ELC5-3P-230-16-3-1-D-A (ELC-30-0047)

ELC5-3P-230-32-6-2-D (ELC-30-0057)

ELC5-3P-110-32-6-2-D (ELC-30-0058)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

Unit for Uninterruptible Power Supply (UPS) with a Changeover Function

Overview

The ELC6 family is designed for military power distribution in cabinets with critical load and UPS backup.

The ELC6 PDU powers the cabinet UPS while providing change over selector circuit breakers protection. In addition, it distributes the UPS output power to the critical loads.

The ELC6 front panel provides easy and safe access to all circuit breakers and indicators. The front panel LED indicators monitor the MAIN and UPS input and output



Specifications

ELECTRICAL	
No. of phases	1 PH
Main circuit breaker	Up to 5KW
Nominal input voltage	110/230 VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50 Hz / 60 Hz
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
Emergency Off (EMO)	Yes(changer over unit)
PHYSICAL	
Dimensions (H × W × D)	2U/3U x 483 x 400 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating > Storage	-10°C to 55°C -40°C to 80°C
Humidity	
> Operating > Storage	10 - 90% RH non-condensing 10 - 95% RH
DESIGN ACCORDING TO IEC 61010	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC6
2 Voltage Code	
3 Power	
4 No. of Outlets	
5 Outlet Type	
6 Off-the-shelf	

For Example:

1 Series	ELC6
2 Voltage Code	230
3 Power	3
4 No. of Outlets	2
5 Outlet Type	D
6 Off-the-shelf e.g	ELC6-230-3-2-D (ELC-30-0050)

1. Series

ELC6

2. Voltage Code

230 - 230 VAC (50 Hz)

110 - 110 VAC (60 Hz)

3. Power

1- 1 KW

3- 3 KW

5- 5 KW

*Input cable is not included

4. No. of Outlets

2 - 2 Outlets IEC-320-C13/ IEC-320-C19

4 - 4 Outlets IEC-320-C13/ IEC-320-C19

5. Outlet Type

C - IEC-320-C13

D - IEC-320-C19

6. Special Editions and accessories (See note)

O - Customer project-related additions

Off the shelf products (Best Sellers, No MOQ):

ELC6-230-3-2-D (ELC-30-0050)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

Industrial Power Distribution Unit for Uninterruptible Power Supply (UPS)

Overview

The ELC7 family is designed for industrial power distribution in cabinets with critical load and UPS backup.

The ELC7 PDU powers the cabinet UPS while providing circuit breakers protection. In addition, it distributes the UPS output power to the critical loads.

The ELC7 front panel provides easy and safe access to all circuit breakers and indicators. The front panel LED indicators monitor the MAIN and UPS input and output



Specifications

ELECTRICAL	
No. of phases	1 PH
Main circuit breaker	Up to 5KW
Nominal input voltage	110/230 VAC
Acceptable input voltage	± 10% of nominal voltage
Input frequency	50 Hz / 60 Hz
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
PHYSICAL	
Dimensions (H × W × D)	3U x 483 x 400 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating > Storage	-10°C to 55°C -40°C to 80°C
Humidity	
> Operating > Storage	10 - 90% RH non-condensing 10 - 95% RH
DESIGN ACCORDING TO IEC 61010	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC7
2 Voltage Code	
3 Power	
4 No. of Outlets	
5 Outlet Type	
6 Off-the-shelf	

For Example:

1 Series	ELC7
2 Voltage Code	230
3 Power	3
4 No. of Outlets	2
5 Outlet Type	D
6 Off-the-shelf e.g	ELC7-230-3-2-D (ELC-30-0111)

1. Series

ELC7

2. Voltage Code

230 - 230 VAC (50 Hz)

110 - 110 VAC (60 Hz)

3. Power

1- 1 KW

3- 3 KW

5- 5 KW

*Input cable is not included

4. No. of Outlets

2 - 2 Outlets IEC-320-C13/ IEC-320-C19

4 - 4 Outlets IEC-320-C13/ IEC-320-C19

5. Outlet Type

C - IEC-320-C13

D - IEC-320-C19

6. Special Editions and accessories (See note)

O - Customer project-related additions

Off the shelf products (Best Sellers, no MOQ):

ELC7-230-3-2-D (ELC-30-0111)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

MIL-STD-810G DC Power Distribution Unit

Overview

A rugged, military grade, Rack mount Power Distribution Unit certified to MIL-STD-810G with front access for safety and control.

Applications:

- Military Land Vehicles
- Batteries
- Trucks
- Military and Civil Ships
- Industrial Controls
- Weapon Systems
- Primary Power Switching
- Unmanned Vehicles
- Generators



Specifications

ELECTRICAL	
Source	DC
Main circuit breaker	Up to 30A
Nominal input voltage	< Up to 48 VDC
CONTROL	
Start/Stop operation	Yes
Main circuit breaker	Yes
PHYSICAL	
Dimensions (H x W x D)	1U/44.45 x 483 x 397 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature - Method 501.6 & 502.6, Procedure I & II	
> Operating	-40°C to 49°C
> Storage	-46°C to 63°C
Humidity - Method 507.6, Procedure I	
> Operating	5 - 95% RH non-condensing
> Storage	5 - 95% RH non-condensing
Altitude - Method 500.5, Procedure I & II	
> Operating	Up to 10 kft.
> Storage	Up to 15 kft.
Thermal shock - Method 503.6 Procedure I-D	+25°C to -40°C
Drip - Method 506.6, Procedure III	140 L/m ² /hr
Vibrations - Method 514.7, Procedure III	5 ÷ 500Hz @ 0.03 g ² /Hz.
Mechanical shock - Method 516.5 Procedure I	20G 11ms Saw tooth
Acceleration - Method 513.5	Longitude 3.0 [g] Vertical 2.5[g] Lateral 1.0 [g]
CERTIFIED MIL-STD-810G	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC8
2 Voltage Code	
3 Current Rating	
4 No. of C.B per Outlet	
5 No. of Connectors	
6 Outlet Type	
7 Off-the-shelf	

For Example:

1 Series	ELC8
2 Voltage Code	28
3 Current Rating	10
4 No. of C.B per Outlet	10
5 No. of Connectors	7
6 Outlet Type	L
7 Off-the-shelf e.g	ELC8-28-10-10-7-L (1038N300-001)

1. Series

ELC8

2. Voltage Code

12 - 12 VDC

28 - 28 VDC

48 - 48 VDC

3. Current Rating(Ampere)

10 - 10 Amp

20 - 20 Amp

30 - 30 Amp

*Input cable is not included

4. No. of C.B

6 - 6 Circuit Breakers

8 - 8 Circuit Breakers

10 - 10 Circuit Breakers

5. No. of Connectors

7 - 7 Connectors

O - Customer project-related customization

6. Outlet Type

L - MIL-DTL-5015

M - D38999

O - Customer project-related customization

7. Special Editions and accessories (See note)

O - Customer project-related additions

Off the shelf products

(Best Sellers, No MOQ):

ELC8-28-10-10-7-L (1038N300-001)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

Specifications – Active FPGA Controlled MIL- STD PDU



Specifications

ELECTRICAL	
Source	Wide Range 85-250 VAC
Main circuit breaker	Up to 25A
Total Output Power	2KW
CONTROL	
Main circuit breaker	Yes
Software FPGA Controlled Outputs	Yes
PWM Controlled Fans	Yes
FEATURES	
Temperature, Voltage & Current monitoring	Yes
RS422 Communication Port	Yes
LAN 1 Gbps	Yes
Firmware Burning Port	Yes
Discrete Control Lines	Yes

PHYSICAL	
Dimensions (H x W x D)	1U/44.45 x 483 x 398 mm 19" Rackmount
Front panel handle	Yes
Weight	6.9 KG
ENVIRONMENTAL	
Temperature – MIL-STD-810H Method 501.5, 501.7 & 502.7, Procedure I & II	
> Operating	-400C to 550C
> Storage	-400C to 750C
Humidity – MIL-STD-810H Method 507.6, Procedure I	
> Operating	5 - 95% RH condensing
> Storage	5 - 95% RH condensing
Altitude – MIL-STD-810H Method 500.6, Procedure I & II	
> Operating	Up to 15 kft.
> Storage	Up to 15 kft.
Thermal shock	+25°C to -40°C
Salt Fog	MIL-STD-810G Method 509.5
Vibrations	MIL-STD-810G Method 514.6 & Method 514.8
Mechanical shock – Method 516.5 Procedure I	20G 11ms Saw tooth
CERTIFIED MIL-STD-810	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC9
2 28V Voltage Code	
3 24V Voltage Code	
4 12V Voltage Code	

For Example:

1 Series	ELC9
2 28V Voltage Code	8
3 24V Voltage Code	1
4 12V Voltage Code	1
5 No. of Connectors	7
6 Outlet Type	L

1. Series

ELC9

2. 28V Voltage Code

8 – 8x28 VDC (1x800W, 2x300W, 4x100W & 1x50W)

0 – Customer project-related customization

3. 24V Voltage Code

1 – 1x24 VDC (1x50W)

0 – Customer project-related customization

*Input cable is not included

4. 12V Voltage Code

1 – 1x12 VDC (1x50W)

8 – 8 Circuit Breakers

0 – Customer project-related customization

5. Special Editions and accessories (See note)

0 – Customer project-related additions

Note – All configurations available upon request and MOQ, please contact the local sales manager for specific details

Telecom DC Power Distribution Unit with Configurable Redundant Input DC4x125

Overview

A modular TelecomRack mount DC power distribution unit.

The DC4x125 is a dual input (A,B) or a four input (A,B,C,D) configurable redundant power distribution unit, where each input is rated for 125Amp (Max Total rated PDU=250A) with voltage range of -36VDC to 72VDC.

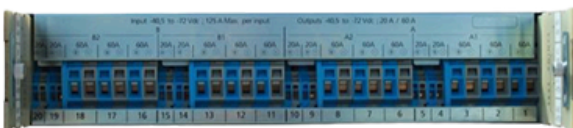
There are 5 circuit breakers on each input of the PDU, for a total of 20 circuit breakers.

The outlet circuit breakers vary from 5A to 63A and are populated on the integration floor according to the project and load.

Front View



Rear View



Specifications

ELECTRICAL	
Inlet	-36VDC to 72VDC
Outlet	-36VDC to 72VDC
Max current per input	125A
No. of outlets	20
CONTROL	
Circuit breaker	Up to 20 circuit breakers
PHYSICAL	
Dimensions (H x W x D)	2Ux 480 x 420 mm 19" Rackmount
Front panel handle	Yes
ENVIRONMENTAL	
Temperature	
> Operating	Up to 65°C
Humidity	
> Operating	According to GR-63-CORE
CERTIFIED (IEC-IEN, UL, CSA)	
IEC 60950-1:2005 IEC 60950-1:2005/AMD1:2009 IEC 60950-1:2005/AMD2:2013 EN60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 UL 60950-1/CSA C22.2No. 60950-1 Second Edition GR 1089 - Safety part for equipment type 2. Resistance to fire; all plastic parts flammability is 94 V-0.	

Part Number

Please create the requested part number by selecting the relevant code letters from the list:

1 Series	ELC10
2 Voltage Code	
3 No. of C.B	
4 Total Current Rating	
5 Color	
6 Off-the-shelf	

For Example:

1 Series	ELC10
2 Voltage Code	A
3 No. of C.B	20
4 Total Current Rating	4
5 Color	B
6 Off-the-shelf e.g	ELC10-A-20-2-B (68-342-0021)

1. Series

ELC10

2. 28V Voltage Code

A - -36 VDC to 72 VDC

3. No. of Circuit Breakers

10 - 10 C.B

20 - 20 C.B

4. Input Current Rating (Ampere)

2 - 2x 125 Amp

4 - 4x 125 Amp

5. Color

B - Black

O - Customer project-related customization

Off the shelf products (No MOQ):

ELC10-A-20-2-B (68-342-0021)

ELC10-A-20-4-B (68-342-0024)

Note - All configurations available upon request and MOQ, please contact the local sales manager for specific details

ALEXANDER SCHNEIDER

THE POWER OF EXCELLENCE

For more information please contact us



www.schneider.co.il



info@schneider.co.il



8a Hazoran St., Sapir Industrial Park, Netanya, 4250608, Israel



+972-9-8924444

+972-9-8924455