DUAL POWER SUPPLY MODULE FOR MEASUREMENT AND CONTROL OF VOLTAGES **electric** PRESENT AT SUPPLY INPUTS TO POWER MOTORISED CIRCUIT BREAKERS/CHANGEOVER SWITCHES, 110/230VAC CONFIGURABLE





Product designation			Dual power supply module
Product type designation			ATLDPS1
General characteristics			
Number of controlled power sources		Nr.	2
AC Power supply		\/AC	440 000
Rated supply voltage AC Operating supply voltage range AC		VAC VAC	110230 80300
Rated frequency		Hz	50/60
Operating frequency range		Hz	4566
Power consumption AC (Max)		VA	7
Voltage inputs		VA	1
Maximum rated voltage Ue			110230VAC
		V	80300
Measurement range		v Hz	4566
Frequency range		П	
Measurement method			True root mean square (TRMS)
			Power supplied
			by the system
Wiring mode			with phase-to-
			neutral voltage <=
			300VAC
Digital inputs			4.6
Number of digital input		Nr.	1 for rated voltage selection
			110/230VAC
			110/2001/10
Relay outputs			110/200 1/10
Relay outputs Number of relay output		Nr.	3
·		Nr.	
·		Nr.	3 2 x 2NO (presence line 1
Number of relay output		Nr.	3 2 x 2NO (presence line 1 and line 2), 1 x
·		Nr.	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay
Number of relay output		Nr.	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1
Number of relay output  Contact arrangement			3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)
Number of relay output  Contact arrangement  Electrical life		cycles	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm) 10 <sup>5</sup>
Number of relay output  Contact arrangement  Electrical life Mechanical life			3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)
Number of relay output  Contact arrangement  Electrical life  Mechanical life  Ambient conditions		cycles	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm) 10 <sup>5</sup>
Number of relay output  Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature		cycles	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm) 10 <sup>5</sup>
Number of relay output  Contact arrangement  Electrical life  Mechanical life  Ambient conditions	min	cycles cycles	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup>
Number of relay output  Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature	min	cycles cycles	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup>
Number of relay output  Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature  Operating temperature	min max	cycles cycles	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup>
Number of relay output  Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature	max	cycles cycles °C °C	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup> -30 +70
Number of relay output  Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature  Operating temperature	max min	cycles cycles °C °C	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup> -30 +70
Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature  Operating temperature  Storage temperature	max	cycles cycles °C °C	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup> -30 +70
Number of relay output  Contact arrangement  Electrical life Mechanical life Ambient conditions Temperature  Operating temperature	max min	cycles cycles °C °C	3 2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)  10 <sup>5</sup> 10 <sup>7</sup> -30 +70

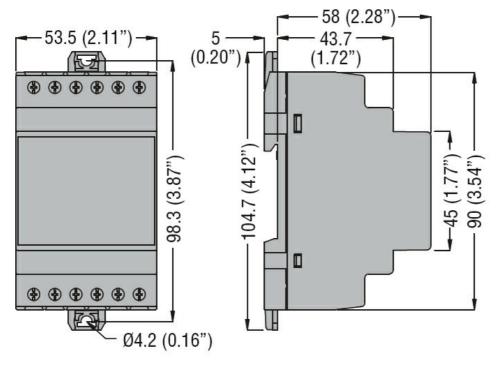
## ATLDPS1

DUAL POWER SUPPLY MODULE FOR MEASUREMENT AND CONTROL OF VOLTAGES

— electric Present at Supply Inputs to Power Motorised Circuit Breakers/Changeover

ENERGY AND AUTOMATION SWITCHES, 110/230VAC CONFIGURABLE

Overvoltage category		3
Measurement category		III
Climatic sequence		Z/ABDM (IEC/EN 60068-2-61)
Shock resistance		15g (IEC/EN 60068-2-27)
Vibration resistance		0.7g (IEC/EN 60068-2-6)
Housing		
Execution		Modular housing (3 modules DIN 43880)
Material		Polyamide
Mounting		35mm DIN rail (IEC/EN 60715) or screw-type by means of removable clips
Degree of protection		IP40 on front, IP20 on terminals
Dimensions (W x H x D)	mm	53.5 x 104.7 x 63
Weight	g	300



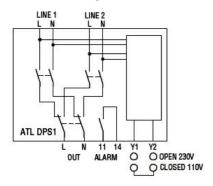
Wiring diagrams

Dimensions

DUAL POWER SUPPLY MODULE FOR MEASUREMENT AND CONTROL OF VOLTAGES **electric** PRESENT AT SUPPLY INPUTS TO POWER MOTORISED CIRCUIT BREAKERS/CHANGEOVER SWITCHES, 110/230VAC CONFIGURABLE

**ENERGY AND AUTOMATION** 

## Connection diagram



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Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-6-1

IEC/EN 61000-6-2

IEC/EN 61000-6-3

**UL508** 

Certificates

cULus

EAC

**RCM** 

ETIM classification

**ETIM 8.0** 

EC002541 - ACpower supply