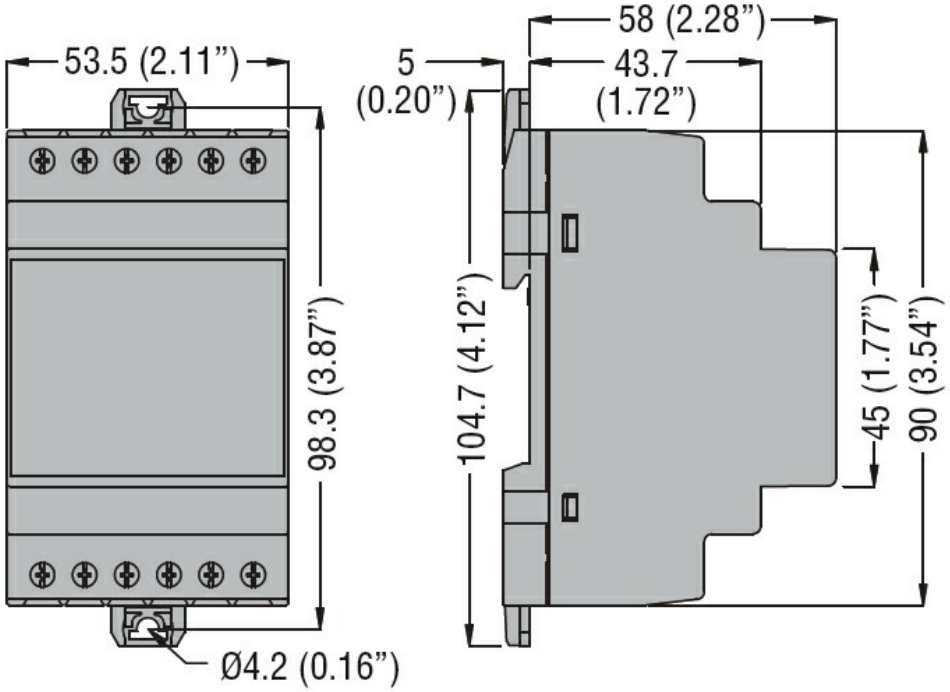
ATLDPS1

DUAL POWER SUPPLY MODULE FOR MEASUREMENT AND CONTROL OF VOLTAGES 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				
Rated supply voltage AC			VAC	110...230
Operating supply voltage range AC			VAC	80...300
Rated frequency			Hz	50/60
Operating frequency range			Hz	45...66
Power consumption AC (Max)			VA	7
Voltage inputs				
Maximum rated voltage Ue				110...230VAC
Measurement range			V	80...300
Frequency range			Hz	45...66
Measurement method				True root mean square (TRMS)
Wiring mode				Power supplied by the system with phase-to-neutral voltage <= 300VAC
Digital inputs				
Number of digital input			Nr.	1 for rated voltage selection 110/230VAC
Relay outputs				
Number of relay output			Nr.	3
Contact arrangement				2 x 2NO (presence line 1 and line 2), 1 x 2C/O (relay exchange line), 1 x NO (alarm)
Electrical life			cycles	10^5
Mechanical life			cycles	10^7
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-30
		max	°C	+70
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80%
Maximum Pollution degree				2

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

Dimensions



Wiring diagrams

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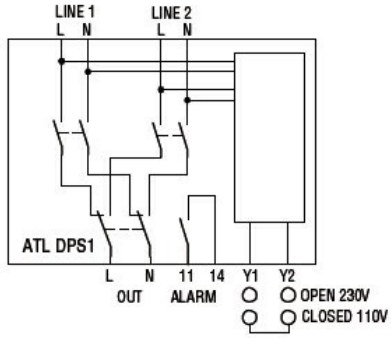
Connection diagram



Certifications and compliance

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 - AC-power supply