



General characteristics

Number of controlled power sources	Nr.	2
Display		Backlit LCD graphic display 128x80 pixel
Languages	Nr.	5
Expandability		2 expansion slots for EXP... Modules

AC Power supply

Rated supply voltage AC	VAC	110...240
Operating supply voltage range AC	VAC	90...264
Rated frequency	Hz	50/60
Operating frequency range	Hz	45...66

Immunity time for microbreakings	110VAC	ms	≤50
	220VAC	ms	≤250
Immunity time for microbreakings (with EXP expansions)	110VAC	ms	≤25
	220VAC	ms	≤120

Power consumption AC (Max)	VA	9.5
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DC Power supply

Rated supply voltage DC	VDC	12-24
Operating supply voltage range DC	VDC	7.5...33
Current consumption Max	mA	230mA at 12VDC, 120mA at 24VDC
Maximum power consumption / dissipation	W	2.9

Voltage inputs

Maximum rated voltage Ue		100...480VAC L-L (277VAC L-N)
Measurement range	V	50...576VAC L-L (333VAC L-N)
Frequency range	Hz	45...65
Measurement method		True root mean square (TRMS)
Input impedance	phase-phase phase-neutral	>1.0MΩ >0.5MΩ
Measuring accuracy		±0.25% f.s. ±1 digit

Wiring mode

Single-phase,
two-phase, three-
phase line with or
without neutral
and balanced
three-phase
system

Digital inputs

Number of digital input	Nr.	6
Type of digital input		Negative
Digital current inputs	mA	≤8
Low input signal	VDC	≤2.2
High input signal	VDC	≥3.4
Input signal delay	ms	≥50

Calendar clock

Backup reserve power	Backup capacitor
Operating without power voltage	5 min approximately

Relay outputs

Number of relay output	Nr.	7
Contact arrangement		6 x 1NO-SPST + 1 x C/O-SPDT
Electrical life	cycles	10 ⁵
Mechanical life	cycles	10 ⁷

Interface

Front optical USB communication port	Yes, with CX01 USB dongle (optional)
Front optical Wi-Fi communication port	Yes, with CX02 Wi-Fi dongle (optional)
USB communication	EXP1010 (optional)
RS232 communication	EXP1011 (optional)
RS485 communication	EXP1012 (optional)
Ethernet communication	EXP1013 (optional)
Profibus communication	EXP1014 (optional)

Functions

Programmable source type	Single-phase, two-phase, three- phase with or without neutral
User alarms	Yes
Limits	Yes
Event logging	100
Real time clock with backup reserve energy	Yes

Ambient conditions

Temperature

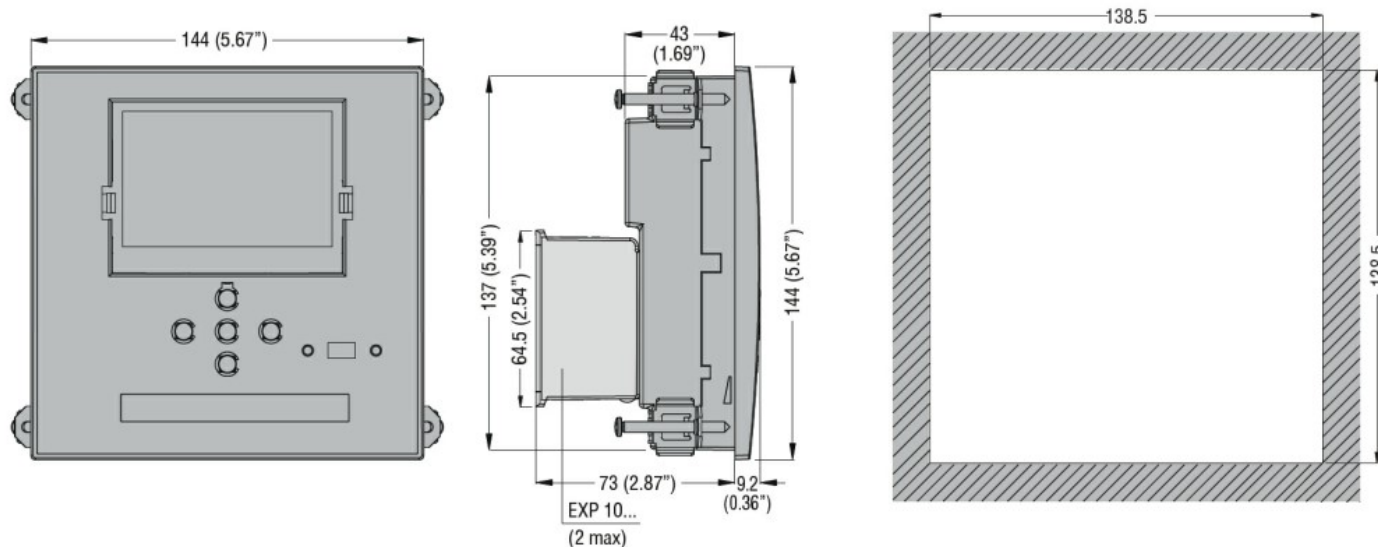
Operating temperature

min	°C	-30
max	°C	+70

Storage temperature

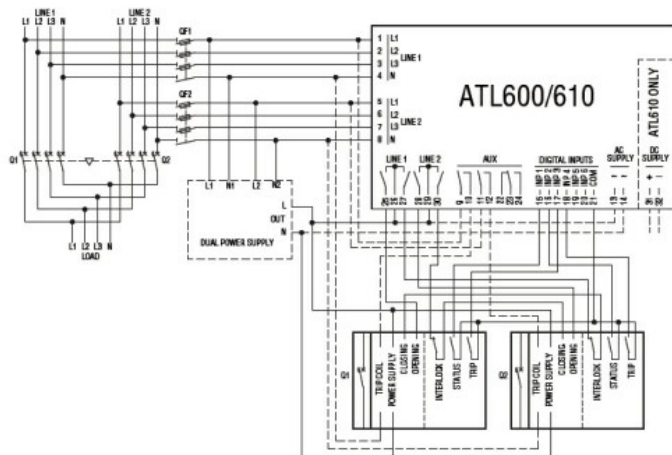
	min max	°C °C	-30 +80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			3
Measurement category			III
Climatic sequence			Z/ABDM (IEC/EN 60068-2-61)
Shock resistance			15g (IEC/EN 60068-2-27)
Vibration resistance			0.7g (IEC/EN 60068-2-6)
Housing			
Execution			Flush mount
Material			Polycarbonate
Mounting			Flush mount - panel cut-out 138x138 mm
Degree of protection			IP40 on front, IP65 with optional gasket code EXP8001, IP20 on terminals
Dimensions (W x H x D)	mm		144 x 144 x 52.2
Weight	g		680

Dimensions

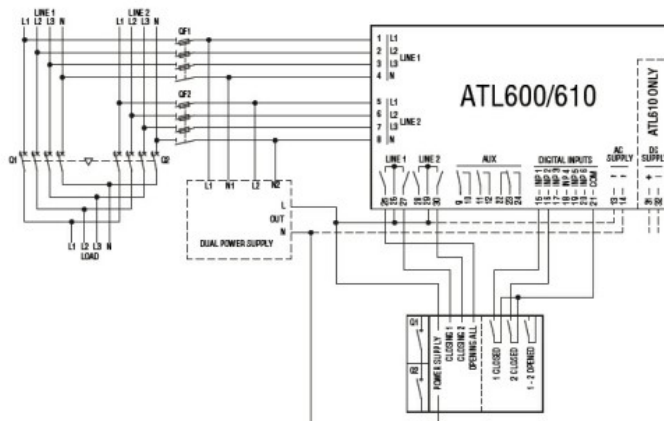


Wiring diagrams

Connection diagrams
Motorised breaker control



Connection diagrams
Motorised changeover switches control



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

EC000236 - PLC
CPU-module