



Automatic transfer switch controller for 2 power sources, three phase control, with LCD display, 110...240VAC supply  
ATL600

## Product designation

## Product type designation

### General characteristics

|                                    |     |                                          |
|------------------------------------|-----|------------------------------------------|
| Number of controlled power sources | Nr. | 2                                        |
| Display                            |     | Backlit LCD graphic display 128x80 pixel |
| Languages                          | Nr. | 5                                        |
| Expandability                      |     | No                                       |

### AC Power supply

|                                   |        |           |      |
|-----------------------------------|--------|-----------|------|
| 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 |
| Power consumption AC (Max)        | VA     | 9.5       |      |

### 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<br>phase-neutral | >1.0MΩ<br>>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                                                                                  |      |
| Relay outputs                          |                       |    |     |                                                                                      |      |
| Number of relay output                 | Nr.                   |    |     | 7                                                                                    |      |
| Contact arrangement                    |                       |    |     | 6 x 1NO-SPST +<br>1 x C/O-SPDT                                                       |      |
| Electrical life                        | cycles                |    |     | 10 <sup>5</sup>                                                                      |      |
| Mechanical life                        | cycles                |    |     | 10 <sup>7</sup>                                                                      |      |
| Interface                              |                       |    |     |                                                                                      |      |
| Front optical USB communication port   |                       |    |     | Yes, with CX01<br>USB dongle<br>(optional)                                           |      |
| Front optical Wi-Fi communication port |                       |    |     | Yes, with CX02<br>Wi-Fi dongle<br>(optional)                                         |      |
| Functions                              |                       |    |     |                                                                                      |      |
| Programmable source type               |                       |    |     | Single-phase,<br>two-phase, three-<br>phase with or<br>without neutral               |      |
| User alarms                            |                       |    |     | Yes                                                                                  |      |
| Limits                                 |                       |    |     | Yes                                                                                  |      |
| Event logging                          |                       |    |     | 100                                                                                  |      |
| 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<br>60068-2-61)                                                        |      |
| Shock resistance                       |                       |    |     | 15g (IEC/EN<br>60068-2-27)                                                           |      |
| Vibration resistance                   |                       |    |     | 0.7g (IEC/EN<br>60068-2-6)                                                           |      |
| Housing                                |                       |    |     |                                                                                      |      |
| Execution                              |                       |    |     | Flush mount                                                                          |      |
| Material                               |                       |    |     | Polycarbonate                                                                        |      |
| Mounting                               |                       |    |     | Flush mount -<br>panel cut-out<br>138x138 mm                                         |      |
| Degree of protection                   |                       |    |     | IP40 on front,<br>IP65 with optional<br>gasket code<br>EXP8001, IP20<br>on terminals |      |

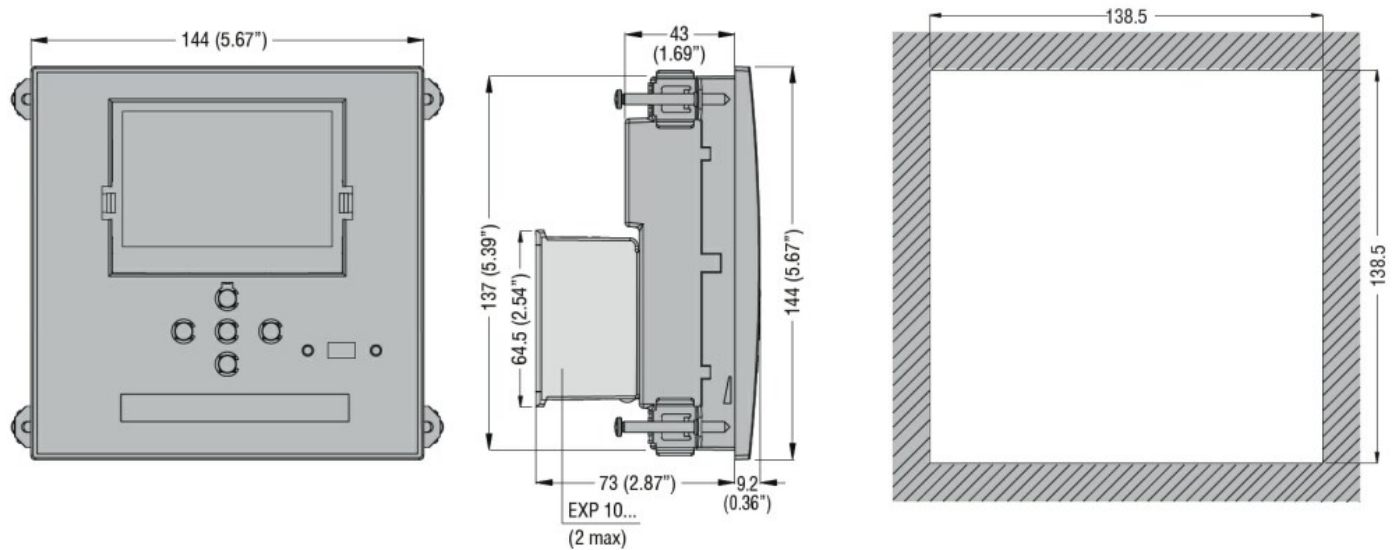
Dimensions (W x H x D)

mm 144 x 144 x 52.2mm

Weight

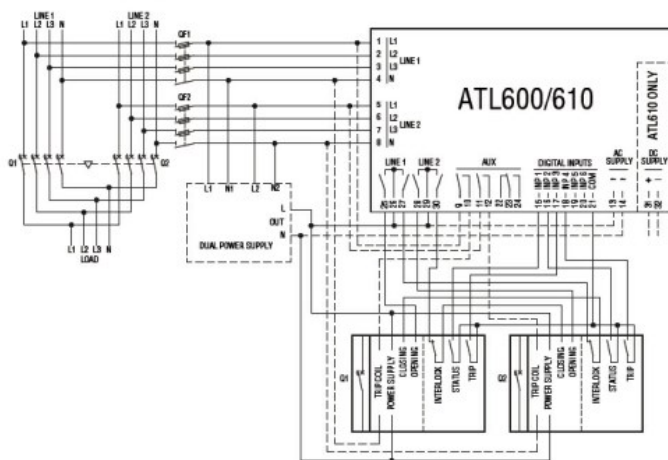
g 600

### Dimensions

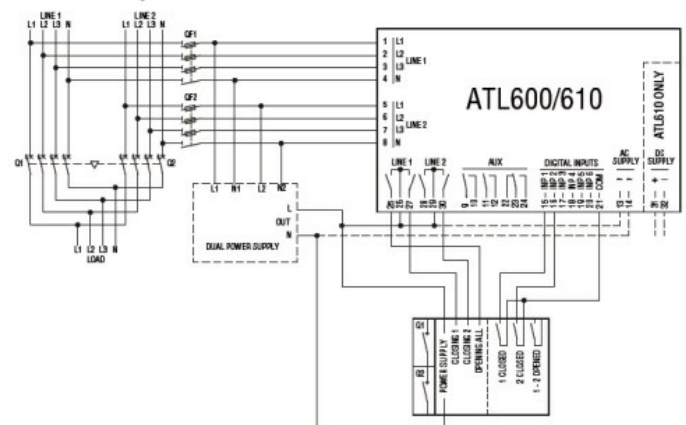


### Wiring diagrams

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