# ATL601

AUTOMATIC TRANSFER SWITCH CONTROLLER WITH OPTICAL PORT FOR 2 POWER SOURCES (144X144MM/5.7X5.7"), POWER SUPPLY 12...24VDC

| | | |
|---|---|---|
| Product designation | | Automatic transfer switch controller for 2 power sources, three phase control, with LCD display, 12-24VDC supply |
| Product type designation | | ATL601 |
| **General characteristics** | | |
| Number of controlled power sources | Nr. | 2 |
| Display | | Backlit LCD graphic display 128x80 pixel |
| Languages | Nr. | 5 |
| Expandability | | No |
| **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 | kO | >1.0MΩ |
|     phase-neutral | kO | >0.5MΩ |
| Measuring accurancy | | ±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 |

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| | | | | |
|---|---|---|---|---|
| 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 + 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) |
| **Functions** | | | | |
| Programmable source type | | | | Single-phase, two-phase, three-phase with or 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 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 52.2mm |

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| Weight | | g | 600 |
|---|---|---|---|

## Certifications and compliance

| Compliance | | |
|---|---|---|
| | IEC/EN 60947-1 | |
| | IEC/EN 60947-6-1 | |
| | IEC/EN 61000-6-2 | |
| | IEC/EN 61000-6-3 | |
| Certificates | | |
| | cULus | |
| | EAC | |

## ETIM classification

| ETIM 8.0 | EC000236 - PLC CPU-module |
|---|---|