



LOGO! ICL230/1AC100-240V/5A

LOGO! ICL230 Inrush current limiter Input: 100-240 V AC Output: 100-240 V AC/5 A

| Input | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Input | 1-phase AC |
| Rated voltage value V_{in} rated | 100 ... 240 V |
| Voltage range AC | 85 ... 264 V |
| Wide-range input | Yes |
| Switch-on current limiting (+25 °C), max. | 10 A |
| duration of inrush current limiting at 25 °C | |
| • typical | 60 ms |
| Built-in incoming fuse | Overload protection in case of error through non-reversible thermal fuse |
| Output | |
| Output | according to the supply voltage |
| • output voltage at AC rated value | 100 - 240 V |
| • output voltage at AC | 85 ... 264 |
| product function output voltage adjustable | No |
| Status display | Green LED |
| Current range | 0 ... 5 A |
| • Note | Active current limitation for 60 ms to 10 A during switch-on. |
| Parallel switching for enhanced performance | No |
| Efficiency | |
| Power loss at V_{out} rated, I_{out} rated, approx. | 1.5 W |
| Protection and monitoring | |
| Short-circuit protection | to be ensured by primary protection element |
| overcurrent overload capability when switching on | Switching frequency max. 2 events per minute. Time-limited increased switching frequency once per hour for one minute (typ. 30 events per minute). |
| Safety | |
| standard for safety | EN 60950-1 |
| Primary/secondary isolation | No |
| Protection class | Class II |
| Degree of protection (EN 60529) | IP20 |
| Approvals | |
| CE mark | Yes |
| UL/cUL (CSA) approval | cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 |
| certificate of suitability NEC Class 2 | No |
| CB approval | Yes |
| certificate of suitability EAC approval | Yes |
| Marine approval | - |
| EMC | |
| Emitted interference | EN 61000-6-3 |

| | |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Supply harmonics limitation | - |
| Noise immunity | EN 61000-6-2 |
| environmental conditions | |
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| — Note | with natural convection |
| • during transport | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| Humidity class according to EN 60721 | Climate class 3K3, 5 ... 95% no condensation |
| Mechanics | |
| Connection technology | screw-type terminals |
| Connections | |
| • Supply input | L1, N: 1 screw terminal each for 0.5 ... 2.5 mm ² |
| • Output | L1, N: 1 screw terminal each for 0.5 ... 2.5 mm ² |
| width of the enclosure | 18 mm |
| height of the enclosure | 90 mm |
| depth of the enclosure | 53 mm |
| required spacing | |
| • top | 20 mm |
| • bottom | 20 mm |
| • left | 0 mm |
| • right | 0 mm |
| Weight, approx. | 0.14 kg |
| product feature of the enclosure housing can be lined up | Yes |
| Installation | Snaps onto DIN rail EN 60715 35x7.5/15 |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |

