



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

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

| Input | |
|---|--|
| type of the power supply network | 1-phase AC |
| supply voltage at AC | |
| <ul style="list-style-type: none"> • minimum rated value • maximum rated value • initial value • full-scale value | 100 V 240 V 85 V 264 V |
| design of input wide range input | Yes |
| current limitation of inrush current at 25 °C maximum | 10 A |
| duration of inrush current limiting at 25 °C | |
| <ul style="list-style-type: none"> • typical | 60 ms |
| fuse protection type | Overload protection in case of error through non-reversible thermal fuse |
| Output | |
| voltage curve at output | according to the supply voltage |
| output voltage | |
| <ul style="list-style-type: none"> • at AC rated value • at AC | 100 - 240 V 85 ... 264 |
| product function output voltage adjustable | No |
| display version for normal operation | Green LED |
| output current | |
| <ul style="list-style-type: none"> • rated range | 0 ... 5 A; Active current limitation for 60 ms to 10 A during switch-on. |
| product feature | |
| <ul style="list-style-type: none"> • bridging of equipment | No |
| Efficiency | |
| power loss [W] | |
| <ul style="list-style-type: none"> • at rated output voltage for rated value of the output current typical | 1.5 W |
| Protection and monitoring | |
| design of short-circuit protection | must 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 |
| galvanic isolation between input and output | No |
| operating resource protection class | Class II |
| protection class IP | IP20 |
| Approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • CE marking • UL approval | Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 |

| | |
|--|---|
| <ul style="list-style-type: none"> • CSA approval • cCSAus, Class 1, Division 2 • ATEX | <p>Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259</p> <p>No</p> <p>No</p> |
| <p>certificate of suitability</p> <ul style="list-style-type: none"> • IECEx • NEC Class 2 • ULhazloc approval • FM registration | <p>No</p> <p>No</p> <p>No</p> <p>No</p> |
| <p>type of certification CB-certificate</p> | <p>Yes</p> |
| <p>certificate of suitability</p> <ul style="list-style-type: none"> • EAC approval | <p>Yes</p> |
| <p>certificate of suitability shipbuilding approval</p> | <p>No</p> |
| <p>shipbuilding approval</p> | <p>-</p> |
| <p>Marine classification association</p> <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) | <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> |
| <p>EMC</p> | |
| <p>standard</p> <ul style="list-style-type: none"> • for emitted interference • for mains harmonics limitation • for interference immunity | <p>EN 61000-6-3</p> <p>-</p> <p>EN 61000-6-2</p> |
| <p>environmental conditions</p> | |
| <p>ambient temperature</p> <ul style="list-style-type: none"> • during operation • during transport • during storage | <p>-40 ... +70 °C; with natural convection</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> |
| <p>environmental category according to IEC 60721</p> | <p>Climate class 3K3, 5 ... 95% no condensation</p> |
| <p>Mechanics</p> | |
| <p>type of electrical connection</p> <ul style="list-style-type: none"> • at input • at output | <p>screw-type terminals</p> <p>L1, N: 1 screw terminal each for 0.5 ... 2.5 mm²</p> <p>L1, N: 1 screw terminal each for 0.5 ... 2.5 mm²</p> |
| <p>width of the enclosure</p> | <p>18 mm</p> |
| <p>height of the enclosure</p> | <p>90 mm</p> |
| <p>depth of the enclosure</p> | <p>53 mm</p> |
| <p>required spacing</p> <ul style="list-style-type: none"> • top • bottom • left • right | <p>20 mm</p> <p>20 mm</p> <p>0 mm</p> <p>0 mm</p> |
| <p>net weight</p> | <p>0.14 kg</p> |
| <p>product feature of the enclosure housing can be lined up</p> | <p>Yes</p> |
| <p>fastening method</p> | <p>Snaps onto DIN rail EN 60715 35x7.5/15</p> |
| <p>other information</p> | <p>Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)</p> |

