



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"> <li>• minimum rated value</li> <li>• maximum rated value</li> <li>• initial value</li> <li>• full-scale value</li> </ul>	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"> <li>• typical</li> </ul>	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"> <li>• at AC rated value</li> <li>• at AC</li> </ul>	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"> <li>• rated range</li> </ul>	0 ... 5 A; Active current limitation for 60 ms to 10 A during switch-on.
product feature	
<ul style="list-style-type: none"> <li>• bridging of equipment</li> </ul>	No
Efficiency	
power loss [W]	
<ul style="list-style-type: none"> <li>• at rated output voltage for rated value of the output current typical</li> </ul>	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"> <li>• CE marking</li> <li>• UL approval</li> </ul>	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259

<ul style="list-style-type: none"> <li>• CSA approval</li> <li>• cCSAus, Class 1, Division 2</li> <li>• ATEX</li> </ul>	<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"> <li>• IECEx</li> <li>• NEC Class 2</li> <li>• ULhazloc approval</li> <li>• FM registration</li> </ul>	<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"> <li>• EAC approval</li> </ul>	<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"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• DNV GL</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> </ul>	<p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
<p><b>EMC</b></p>	
<p>standard</p> <ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for mains harmonics limitation</li> <li>• for interference immunity</li> </ul>	<p>EN 61000-6-3</p> <p>-</p> <p>EN 61000-6-2</p>
<p><b>environmental conditions</b></p>	
<p>ambient temperature</p> <ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	<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><b>Mechanics</b></p>	
<p>type of electrical connection</p> <ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> </ul>	<p>screw-type terminals</p> <p>L1, N: 1 screw terminal each for 0.5 ... 2.5 mm<sup>2</sup></p> <p>L1, N: 1 screw terminal each for 0.5 ... 2.5 mm<sup>2</sup></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"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	<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>

