

LOGO! ICL230 AC100-240 V/5 A

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	60 ms
• typical	
Built-in incoming fuse	Overload protection in case of error through non-reversible thermal fuse
Output	
Output	according to the supply voltage
Output voltage	100 - 240 V
• at AC Rated value	
• 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
<b>Efficiency</b>	
Power loss at Vout rated, Iout rated, approx.	1.5 W
<b>Protection and monitoring</b>	
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).
<b>Safety</b>	
Standard for safety	EN 60950-1
Primary/secondary isolation	No
Protection class	Class II
Degree of protection (EN 60529)	IP20
<b>Approvals</b>	
CE mark	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
Explosion protection	-
FM approval	-
CB approval	Yes
Marine approval	-
<b>EMC</b>	
Emitted interference	EN 61000-6-3
Supply harmonics limitation	-
Noise immunity	EN 61000-6-2
<b>environmental conditions</b>	
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
<b>Mechanics</b>	
Connection technology	screw-type terminals
Connections	
• Supply input	L1, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup>
• Output	L1, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup>
Width of the enclosure	18 mm
Height of the enclosure	90 mm
Depth of the enclosure	53 mm
Required spacing	

<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>
Weight, approx.	0.14 kg
Product feature of the enclosure housing for side-by-side mounting	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)