



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
Explosion protection	-
certificate of suitability NEC Class 2	No

FM approval	-
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)

