



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	
• minimum rated value	100 V
• maximum rated value	240 V
• initial value	85 V
• full-scale value	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	
• 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	
• at AC rated value	100 - 240 V
• at AC	85 ... 264
product function output voltage adjustable	No
display version for normal operation	Green LED
output current	
• rated range	0 ... 5 A; Active current limitation for 60 ms to 10 A during switch-on.
product feature	
• bridging of equipment	No
Efficiency	
power loss [W]	
• 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	
• CE marking	Yes
• UL approval	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 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 No No
certificate of suitability <ul style="list-style-type: none"> • IECEx • NEC Class 2 • ULhazloc approval • FM registration 	No No No No
type of certification CB-certificate	Yes
certificate of suitability <ul style="list-style-type: none"> • EAC approval 	Yes
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
Marine classification association <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) 	No No No No No
EMC	
standard <ul style="list-style-type: none"> • for emitted interference • for mains harmonics limitation • for interference immunity 	EN 61000-6-3 - EN 61000-6-2
environmental conditions	
ambient temperature <ul style="list-style-type: none"> • during operation • during transport • during storage 	-40 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
Mechanics	
type of electrical connection <ul style="list-style-type: none"> • at input • at output 	screw-type terminals L1, N: 1 screw terminal each for 0.5 ... 2.5 mm ² 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 <ul style="list-style-type: none"> • top • bottom • left • right 	20 mm 20 mm 0 mm 0 mm
net weight	0.14 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)



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