



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

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

Technical Product Detail Page

<https://i.siemens.com/1P6EP4683-6LB00-0AY0>

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
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
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.
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
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
standards, specifications, approvals	
certificate of suitability <ul style="list-style-type: none"> • CE marking • UL approval • EAC approval • NEC Class 2 	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes No
type of certification <ul style="list-style-type: none"> • CB-certificate 	Yes
standards, specifications, approvals hazardous environments	
certificate of suitability <ul style="list-style-type: none"> • IECEx • ATEX • ULhazloc approval • FM registration 	No No No No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) 	No No No No
ambient 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
connection method	
type of electrical connection	screw terminal
<ul style="list-style-type: none"> • at input • at output 	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
mechanical data	
width x height x depth of the enclosure	18 x 90 x 53 mm
installation width x mounting height	18 mm x 130 mm
required spacing	
<ul style="list-style-type: none"> • top • bottom • left • right 	20 mm 20 mm 0 mm 0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> • DIN-rail mounting • S7 rail mounting • wall mounting 	Yes No Yes
housing can be lined up	Yes
net weight	0.14 kg
further information internet links	
internet link	
<ul style="list-style-type: none"> • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support 	https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop https://siemens.com/cax https://support.industry.siemens.com
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information	

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Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

[Manufacturer Declaration](#)

[Declaration of Conformity](#)



[China RoHS](#)



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