SIEMENS

Data sheet 6EP4683-6LB00-0AY0



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

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

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP4683-6LB00-0AY0
product brand name	LOGO!
product type designation	ICL230
product designation	Switch-on current limitation
type of current supply	100-240 V/5 A
input	
type of the power supply network	1-phase AC
phase number	1
voltage curve at input	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
product function output voltage controlled	No
product function output voltage stabilized	No
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	

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● 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	
galvanic isolation between input and output	No
operating resource protection class	Class II
protection class IP	IP20
EMC	
standard	
● for emitted interference	EN 61000-6-3
● for mains harmonics limitation	-
● for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
● EAC approval	Yes
● NEC Class 2	No
type of certification	
● CB-certificate	Yes
standards, specifications, approvals hazardous environments	
certificate of suitability	
● IECEx	No
● ATEX	No
● ULhazloc approval	No
● FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	No
● Lloyds Register of Shipping (LRS)	No
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C; with natural convection
● during transport	-40 ... +85 °C
● during storage	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection	screw terminal
● at input	L1, N: 1 screw terminal each for 0.5 ... 2.5 mm²
● at output	L1, N: 1 screw terminal each for 0.5 ... 2.5 mm²
mechanical data	
width × height × depth of the enclosure	18 × 90 × 53 mm
installation width × mounting height	18 mm × 130 mm
required spacing	
● top	20 mm
● bottom	20 mm
● left	0 mm
● right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
● DIN-rail mounting	Yes
● S7 rail mounting	No
● wall mounting	Yes
housing can be lined up	Yes
net weight	0.14 kg
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com

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● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: power supplies	https://siemens.com/sitop
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

additional information

other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Classifications

	Version	Classification
eClass	16	27-04-07-01
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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