

CABLES + ACCESSORIES

Inrush Current Limiter



LED switching power supplies show very high inrush currents. To increase however the number of switching power supplies per circuit breaker, it is advisable to use a inrush current limiter. This electronic inrush current limiter is an ideal solution to effectively reduce costs in LED lighting technology. It limits inrush currents precise and with high repetitive accuracy. Due to this strict limitation significantly more LED power supplies can be operated per circuit breaker. A lower current allows smaller wire cross-sections and less circuit breakers. Installation costs are reduced by 70% compared to conventional installations.

The inrush current limiter is connected between mains switch / contactor and load and is approved for inductive and capacitive loads. At the moment of switching on the inrush current is limited for a defined time, regardless what the actual inrush current is.

Two versions of inrush current limiters are available. The standard version (ICL-UNIVERSAL, peak current limitation 48A) is perfectly suitable for regular light or mains switches. For circuits with relays / contactor or switching actors (KNX/EIB-bus) we recommend the ICL-1500 (peak current limitation 16A) to save the switching contacts and ensure a long lifetime.

TECHNICAL DATA INRUSH CURRENT LIMITER ICL-1500

Peak current limiting:	16,0 A
R.MS. current limiting:	11,3 A
Max. allowed capacitive load:	1500 µF
Smallest advisable circuit breaker:	A6A, B4A, Z6A
AC input range:	184-265 VAC
AC continous range:	230 VAC
Line frequency:	16,33 Hz - 440 HZ
AC continous current:	16 A continous
AC peak current:	165 A for 20 ms / 800 A for 200 µs
Dimension in mm (w x h x d):	36,5 x 110 x 62

Weight:	0,12 kg
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TECHNICAL DATA INRUSH CURRENT LIMITER ICL-UNIVERSAL

Peak current limiting:	48,0 A
R.MS. current limiting:	33,9 A
Max. allowed capacitive load:	6000 µF
Smallest advisable circuit breaker:	B13A
AC input range:	184-265 VAC
AC continous range:	230 VAC
Line frequency:	16,33 Hz - 440 HZ
AC continous current:	16 A continous
AC peak current:	165 A for 20 ms / 800 A for 200 µs
Dimension in mm (w x h x d):	36,5 x 110 x 62
Weight:	0,12 kg

MAX. APPROX. QUANTITY OF SWITCHING POWER SUPPLIES PER ICL-1500

10 Watt	80
20 Watt	60
30 Watt	40
40 Watt	40
60 Watt	30
80 Watt	20
100 Watt	16
150 Watt	15
240 Watt	8
320 Watt	6



MAX. APPROX. QUANTITY OF SWITCHING POWER SUPPLIES PER ICL-UNIVERSAL

10 Watt	80
20 Watt	60
30 Watt	50
40 Watt	50
60 Watt	40
80 Watt	35
100 Watt	30
150 Watt	20
240 Watt	8

INSTALLATION



PRODUCT TYPES

order code	description	
L5ICL1500	Inrush current limiter ICL-1500	
L5ICLUNIV	Inrush current limiter ICL-UNIVERSAL	

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