

Low Voltage Inductive Coupling Unit

LICU 15A, 30A, 63A, 150A

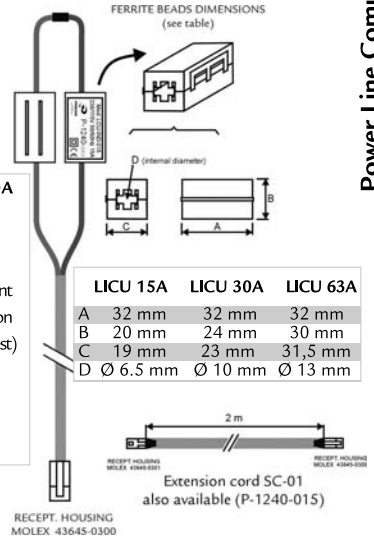
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Features

- Inductive coupling unit for injection of the PLC signal into the powerline.
- RoHS compliant.

Dimensions



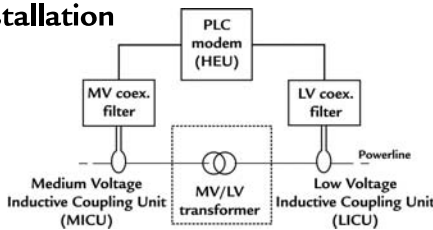
Electrical parameters

	LICU 15A	LICU 30A	LICU 63A
BNC Connector	(P-1240-023)	(P-1240-024)	(P-1240-027)
Molex Connector	(P-1240-012)	(P-1240-013)	(P-1240-020)
Rated voltage	230 V	230 V	230 V
Rated frequency	50-60 Hz	50-60 Hz	50-60 Hz
Rated current (at rated temp.)	15 A @ 40°C	30A @ 40°C	63A @ 40°C
Material	Ferrite	Ferrite	Ferrite
Climatic category (DIN 40040)	HPF	HPF	HPF
Cable length	1.5 m	1.5 m	1.5 m

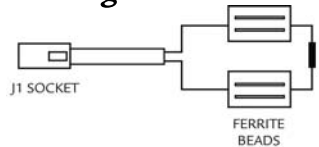
LICU 150A
Under development (specification under request)

	LICU 15A	LICU 30A	LICU 63A
A	32 mm	32 mm	32 mm
B	20 mm	24 mm	30 mm
C	19 mm	23 mm	31,5 mm
D	Ø 6.5 mm	Ø 10 mm	Ø 13 mm

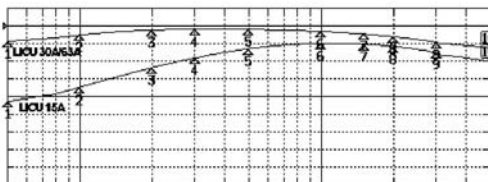
Installation



Electrical diagram



Insertion losses



Freq. (MHz)	Insertion losses (dB)	
	LICU 15A	LICU 30A/63A
1	0.5	21.271
2	1	17.338
3	2	11.808
4	3	9.048
5	5	6.437
6	10	4.92
7	15	5.153
8	20	5.792
9	30	7.646
10	50	10.041

Impedance response



Freq. (MHz)	Impedance (W)	
	LICU 15A	LICU 30A/63A
1	0.5	0.673
2	1	3.062
3	2	6.114
4	3	18.254
5	5	30.476
6	10	58.444
7	15	82.186
8	20	101.769
9	30	131.151
10	50	151.151

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