

Low Voltage Inductive Coupling Unit

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

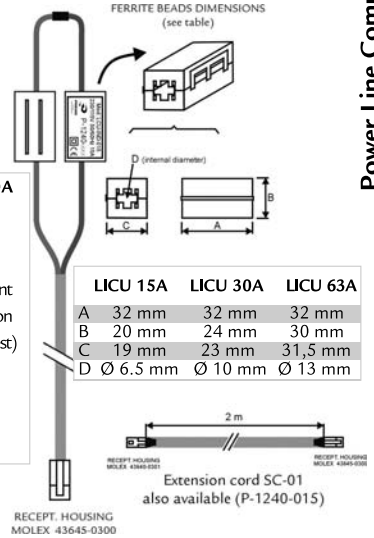
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Features

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

Dimensions

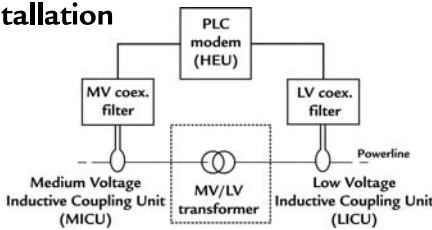


Electrical parameters

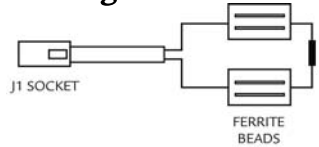
	LICU 15A	LICU 30A	LICU 63A
BNC Connector	(P-1240-023)	(P-1240-024)	(P-1240-027)
Molex Connector	(P-1240-012)	(P-1240-013)	(P-1240-020)
Rated voltage	230 V	230 V	230 V
Rated frequency	50-60 Hz	50-60 Hz	50-60 Hz
Rated current (at rated temp.)	15 A @ 40°C	30A @ 40°C	63A @ 40°C
Material	Ferrite	Ferrite	Ferrite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

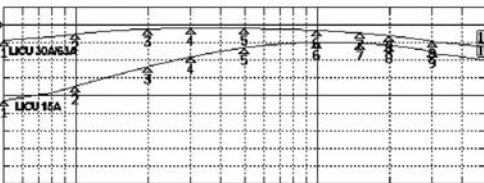
Installation



Electrical diagram

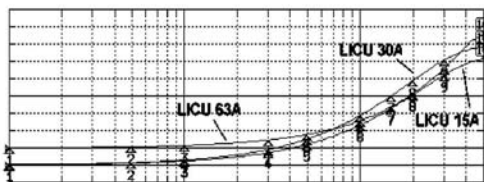


Insertion losses



Freq. (MHz)	Insertion losses (dB)	
	LICU 15A	LICU 30A/63A
1	21.271	4.369
2	17.338	2.563
3	11.808	1.162
4	9.048	0.935
5	6.437	0.988
6	4.92	1.538
7	5.153	2.275
8	5.792	3.059
9	7.646	4.652
10	10.041	6.136

Impedance response



Freq. (MHz)	Impedance (W)	
	LICU 15A	LICU 30A/63A
1	0.673	0.797
2	3.062	3.764
3	6.114	7.542
4	18.254	22.780
5	30.476	38.118
6	58.444	72.164
7	82.186	100.337
8	101.769	122.630
9	131	
10	15	

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