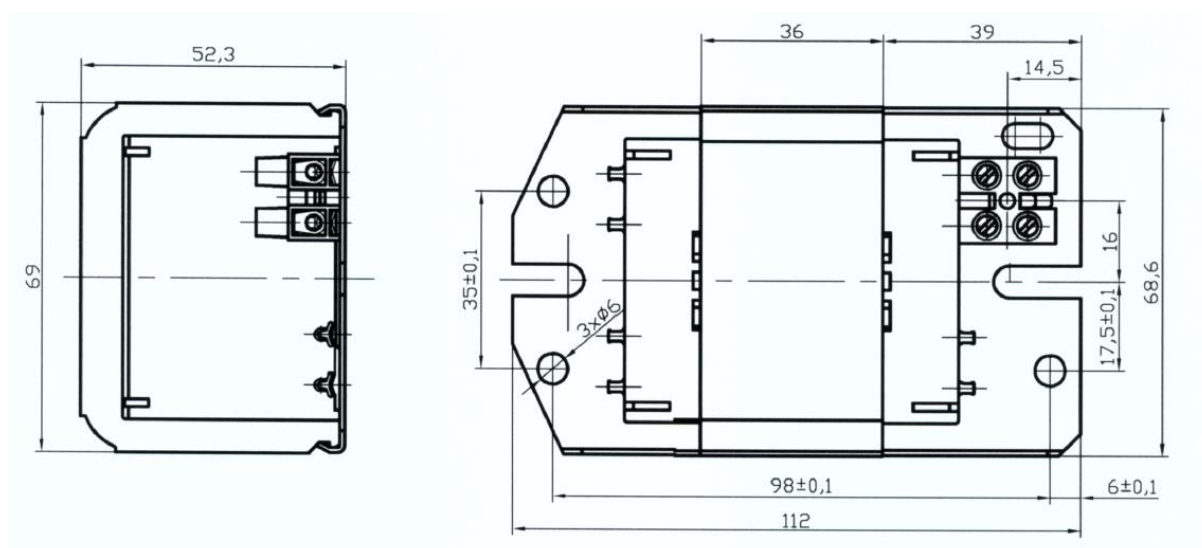


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Ballast type HSI 100W/230V/50Hz

1. Technical data



Lamp				Ballast						
Rated Wattage	Rated Voltage	Frequency	Nominal Current	Ref. No.	Rated Wattage	Rated Voltage	Frequency	C	l	L
P_l, W	U_n, V	f, Hz	I_l, A		P_n, W	U_n, V	f, Hz	mm	mm	mm
100	230	50	1.20	8.53.53.101	100	230	50	36	98	112

2. Electrical Data

Nº	Test	Test Results	Requirements	Accordance to	Conclusion
1	Power of the lamp at U_n	$P = 98.73\%$	$95\% < P < 105\%$	IEC 60923 cl.20.1	Confirmed
2	Supply current	$I_s = 1.1567 \text{ A}$	$1.08 \text{ A} < I_s < 1.32 \text{ A}$	IEC EN 60923 cl.7	Confirmed
3	Circuit power factor	$\lambda = 0.432$	$\lambda = 0.430 \pm 0.05$	IEC EN 60923 cl.6	Confirmed
4	Minimum efficiency	$\eta_{\text{ballast}} = 84.32 \%$	$\eta_{\text{ballast}} > 80\%$ for EEI=A3	Regulation 245/2009/EC	Confirmed
5	Short-circuit current at $106\%U_n$	$I_{\text{sh.c}} = 1.893 \text{ A}$	$I_{\text{sh.c}} < 2.4 \text{ A}$	IEC 60923 cl.21, table 4	Confirmed
6	High voltage test	$U_{\text{HV}} = 2\text{kV AC}$	$U_{\text{HV}} = 2\text{kV AC}$	IEC 61347-1 cl.12	Passed
7	Temperature rise normal	$\Delta t = 73.24^\circ\text{C}$	$\Delta t < 75^\circ\text{C}$	EN 61347-2-9 p.14	Confirmed

Conclusion

The ballast has been tested in accordance with *IEC 61347-1*, *IEC 61347-2-9*, *IEC 60923* and *IEC 60662*.

Test results meet the requirements of these standards.

Head of Laboratory:

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