

## Safety isolating transformer for halogen lamps

### HIT



### General Data

Rated input voltage 230 Vac
Rated output voltage 11.3 - 11.5 Vac
Rated output 60 - 300 W
Insulation class A
Maximum ambient temperature 40 °C
Efficiency up to 92 %
Degree of protection IP 20

### Advantages

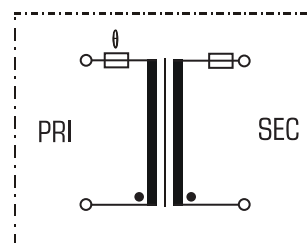
Integrated short circuit and overload protection
Very good moisture protection and low noise thanks to XtraDenseFill resin encapsulation
Screw terminals under cover with strain relief

### Applications

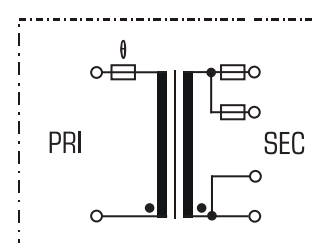
Safety isolating transformer for 12 V halogen lamps for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and PELV circuits because of the limit on the output voltage.

### Sample application

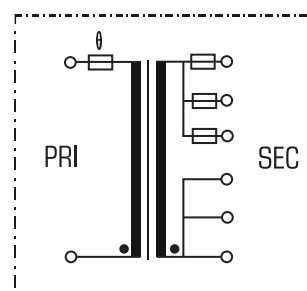
60VA, 105VA



200VA



150VA, 250VA, 300VA



### Standards



Safety isolating transformer for halogen lamps  
to: VDE 0570 Teil 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6

### Approvals



# 1 Transformers

## Safety isolating transformers for halogen lamps



### Safety isolating transformer for halogen lamps

## HIT

Electrical data	Typ	HIT 60	HIT 105	HIT 150	HIT 200	HIT 250	HIT 300
	Input						
	Rated input voltage	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
	Frequency range	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
	Output						
	Rated output voltage	11.5 Vac	11.5 Vac	11.3 Vac	11.3 Vac	11.3 Vac	11.3 Vac
	Number of SEC-Circuits	1	1	3	2	3	3
	Rated current	4.80 A	8.40 A	3 x 4.00 A	2 x 8.00 A	2 x 8.00 A, 1 x 4.00 A	3 x 8.00 A
	for Lamps power	60 W	105 W	150 W	200 W	250 W	300 W
	Efficiency	85.5 %	87.0 %	89.0 %	90.0 %	90.0 %	92.0 %
Standards							
Classification	Safety isolating transformer	Safety isolating transformer	Safety isolating transformer	Safety isolating transformer	Safety isolating transformer	Safety isolating transformer	
Environment							
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	
Safety and protection							
Type	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	
Insulation class	A	A	A	A	A	A	
Protection index	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	
Safety class	II	II	II	II	II	II	
Short circuit strength	non-inherently short-circuit proof	non-inherently short-circuit proof	non-inherently short-circuit proof	non-inherently short-circuit proof	non-inherently short-circuit proof	non-inherently short-circuit proof	
Test voltage	5000 Vac, 50 Hz	5000 Vac, 50 Hz	5000 Vac, 50 Hz	5000 Vac, 50 Hz	5000 Vac, 50 Hz	5000 Vac, 50 Hz	
Order numbers							
Order Number	HIT 60	HIT 105	HIT 150	HIT 200	HIT 250	HIT 300	
Terminal and mounting							
Terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	Screw-type terminals	
Fixing method	Fixing holes in the terminal connection compartment	Fixing holes in the terminal connection compartment	Fixing holes in the terminal connection compartment	Fixing holes in the terminal connection compartment	Fixing holes in the terminal connection compartment	Fixing holes in the terminal connection compartment	
Measures and weights							
Weight	1.42 kg	2.00 kg	3.00 kg	3.55 kg	4.20 kg	5.00 kg	
Dimension picture (in mm)	①	①	②	②	②	②	
A	14.2	14.2	167	167	167	167	
B	58	58	76	76	76	76	
C	77	77	117	117	117	117	
D	135	135	4.3	4.3	4.3	4.3	
E	4.3	4.3	14	14	14	14	
F	65	65	77	77	100	100	
G	76	76	97	97	117	117	
H	90	90	97	97	97	97	
I	166	166	223	223	223	223	

## Dimension pictures

