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

Screw terminals under cover with strain relief

Applications

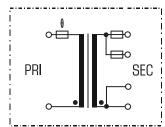
Safety isolating transformer for 12 V halogen lamps for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and PELV circuits because of the limit on the output voltage.

Sample application

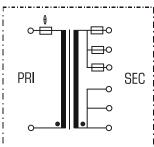
60VA, 105VA

SEC PRI

200VA



150VA, 250VA, 300VA



EAC **Approvals**

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



Safety isolating transformer for halogen lamps

_	1117.00	LUT 405	LUT 450	LUT 000		LUT 000
Тур	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 transform
Environment						
Ambient temperature max.	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
Safety and protection						
Туре	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer	Resin encapsulated transformer
Insulation class	Α	Α	Α	Α	Α	Α
Protection index	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Safety class	II	II	II	II	II	II
Safety class Short circuit strength		II non-inherently short-circuit proof	II non-inherently short-circuit proof	II non-inherently short-circuit proof	II non-inherently short-circuit proof	
•	II non-inherently short-circuit	non-inherently short-circuit	non-inherently short-circuit	non-inherently short-circuit	non-inherently short-circuit	non-inherently short-circu
Short circuit strength	II 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-circui proof
Short circuit strength Test voltage	II 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-circui proof
Short circuit strength Test voltage Order numbers	II non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circul proof 5000 Vac, 50 Hz
Short circuit strength Test voltage Order numbers Order Number	II non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circuit proof 5000 Vac, 50 Hz	non-inherently short-circul proof 5000 Vac, 50 Hz
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250	non-inherently short-circui proof 5000 Vac, 50 Hz HIT 300 Screw-type terminals
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal	non-inherently short-circu proof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the terminal
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal	non-inherently short-circu proof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the terminal
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termina connection compartment
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the terminal connection compartment 5.00 kg
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm)	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termina connection compartment 5.00 kg
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm) A	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg 14.2	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg 14.2	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg 167	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg 167	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termina connection compartment 5.00 kg 167
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm) A B	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg 14.2 58	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg 14.2 58	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg 167 76	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg 167 76	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg 167 76	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termina connection compartment 5.00 kg 167 76
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm) A B C	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg 14.2 58 77	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg 14.2 58 77	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg 167 76 117	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg 167 76 117	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg 167 76 117	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termine connection compartment 5.00 kg 167 76 117
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm) A B C D	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg 14.2 58 77 135	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg 14.2 58 77 135	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg 167 76 117 4.3	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg 167 76 117 4.3	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg 167 76 117 4.3	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termine connection compartment 5.00 kg 167 76 117 4.3
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm) A B C D	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg 14.2 58 77 135 4.3	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg 14.2 58 77 135 4.3	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg 167 76 117 4.3 14	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg 167 76 117 4.3 14	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 420 kg 167 76 117 4.3 14	non-inherently short-circuproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termina connection compartment 5.00 kg 167 76 117 4.3 14
Short circuit strength Test voltage Order numbers Order Number Terminal and mounting Terminals Fixing method Measures and weights Weight Dimension picture (in mm) A B C D E	II non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 60 Screw-type terminals Fixing holes in the terminal connection compartment 1.42 kg 14.2 58 77 135 4.3 65	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 105 Screw-type terminals Fixing holes in the terminal connection compartment 2.00 kg 14.2 58 77 135 4.3 65	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 150 Screw-type terminals Fixing holes in the terminal connection compartment 3.00 kg 167 76 117 4.3 14 77	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 200 Screw-type terminals Fixing holes in the terminal connection compartment 3.55 kg 167 76 117 4.3 14 77	non-inherently short-circuit proof 5000 Vac, 50 Hz HIT 250 Screw-type terminals Fixing holes in the terminal connection compartment 4.20 kg 167 76 117 4.3 14 100	non-inherently short-circuiproof 5000 Vac, 50 Hz HIT 300 Screw-type terminals Fixing holes in the termina connection compartment 5.00 kg 167 76 117 4.3 14 100

Dimension pictures

