TORYTRANS

Toroidal transformer

Single-phase toroidal transformer with galvanic isolation between primary and secondary.

Constructed from premium grain-oriented Fe-Si alloy and subjected to an advanced thermal cycle, the cores of our toroidal cores are characterised by very low losses and optimal work induction.

Applications

- For powering lamps, electrical and electronic equipment with 12 V safety voltage.
- Electromedical, security, artificial vision, audio and video, telecommunications, and lighting equipment.

POWER
50 ÷ 600 VA

PRIMARY VOLTAGE
230 V

SECONDARY VOLTAGE
12 V

Regulatory

IEC/UNE-EN 61558-1
IEC/UNE-EN 61558-2-6

Certifications

CE UKCA

INDUSTRIAL SECTOR
Series TOR

CONTROL, SAFETY AND CIRCUIT SEPARATION

Accessories

FOR INSTALLATION plastic washer and screw included.
OPTIONAL: possibility of complete enclosure, of the central hole, or under a polyamide envelope.

Size

AND REDUCED WEIGHT for better installation in electrical cabinets.

Low radiation

MAGNETIC to adjacent susceptible electronic components.

High efficiency

VERY LOW LOSSES
on standby.

Low noise

AND ABSENCE OF VIBRATIONS.

SERIES TOR
TRANSFORMER
TOROIDAL

TORYTRANS

CONTROL,
SAFETY
AND CIRCUIT
SEPARATION

SERIES TOR

Technical specifications

POWER
50 ÷ 600 VA

PRI VOLTAGE
230 V

SEC VOLTAGE
12 V

FREQUENCY
50/60 Hz

AMBIENT TEMPERATURE
40 °C

THERMAL CLASS
B (130 °C)

PROTECTION INDEX
IP00

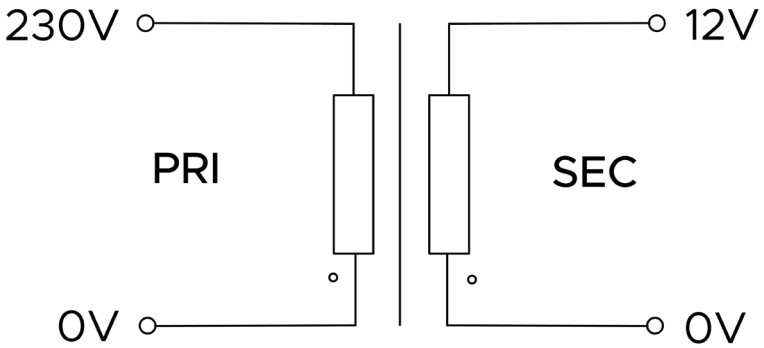
ELECTRIC SHOCK PROTECTION
Class II

TEST VOLTAGE
4 kV

V0_10/24

TOROIDAL TRANSFORMER

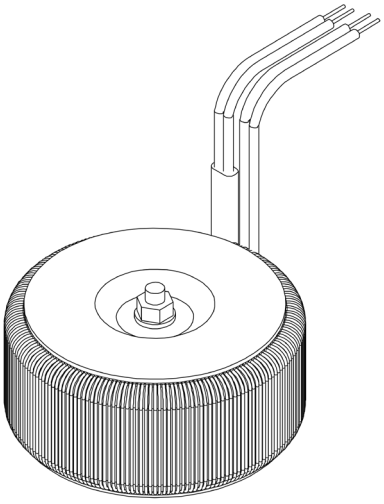
Electric **schematic**



CONTROL, SAFETY AND CIRCUIT SEPARATION

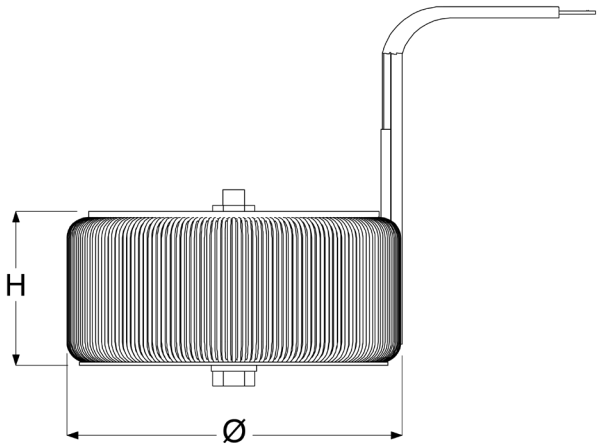
Technical data - standard models

POWER (VA)	REFERENCES	INTENSITY (A)	
		Primary	Secondary
50	TOR050	0,22	4,2
100	TOR100	0,43	8,3
150	TOR150	0,65	12,5
200	TOR200	0,87	16,7
250	TOR250	1,1	20,8
300	TOR300	1,3	25,0
400	TOR400	1,7	33,3
500	TOR500	2,2	41,7
600	TOR600	2,6	50,0



Dimensions

POWER (VA)	REF.	DIMENSIONS (mm)		WEIGHT (kg)
		Height	Ø	
50	TOR050	36	75	0,6
100	TOR100	35	115	1,2
150	TOR150	44	115	1,6
200	TOR200	45	120	1,8
250	TOR250	52	122	2,4
300	TOR300	52	132	3,0
400	TOR400	54	140	3,6
500	TOR500	52	155	4,5
600	TOR600	58	168	5,0



Cabling, protection and fuses

POWER (VA)	REF.	MIN. SECTION PRIMARY CONDUCTOR (mm^2)	MIN. SECTION SECONDARY CONDUCTOR (mm^2)	PRIMARY PROTECTIONS (A) (D / T / aM)	SECONDARY PROTECTIONS (A) (F / C / gG)
50	TOR050	0,5	0,75	0,5	4
100	TOR100	0,5	1	1	8
150	TOR150	0,5	1,5	1,6	12
200	TOR200	0,5	2,5	2	16
250	TOR250	0,5	2,5	2,5	20
300	TOR300	0,5	2,5	3,15	25
400	TOR400	0,5	6	4	32
500	TOR500	0,5	10	5	40
600	TOR600	0,5	10	6,3	50