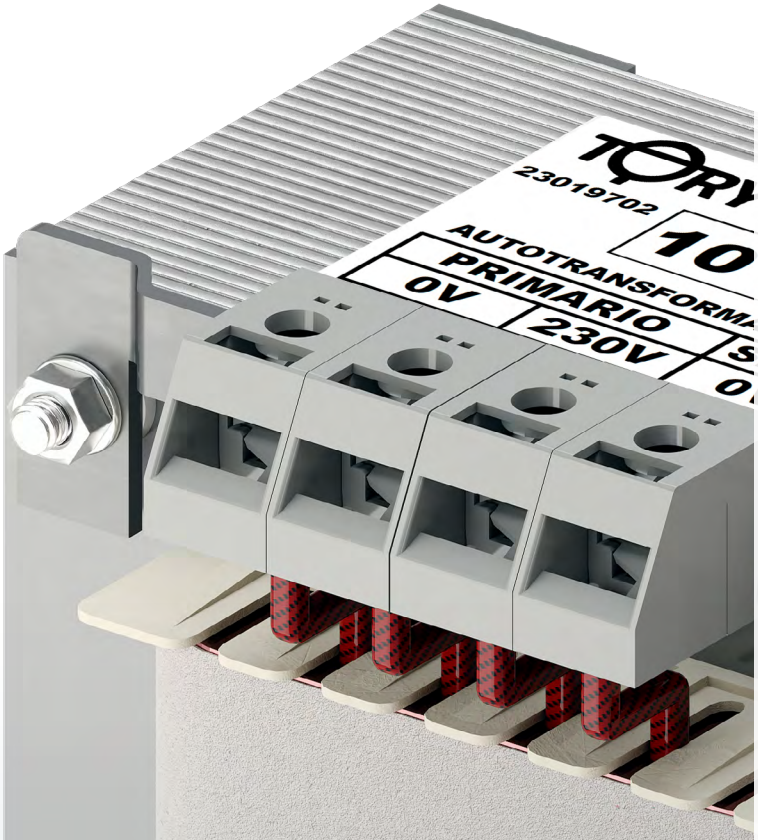
TORYTRANS

Single-phase reversible auto-transformer (IP00)

Single-phase reversible autotransformer, not a circuit separator, intended for voltage changes 400 V / 230 V.



Applications

- Intended for supplying elements with a voltage different from that available on the network.
- Suitable for those cases where economical voltage adjustment is required without the need for galvanic separation or a reduction in network disturbances.

POWER
100 VA ÷ 10 kVA

PRI VOLTAGE
400 V

SEC VOLTAGE
230 V

Regulatory

Power ≤ 4 kVA
IEC/UNE-EN 61558-1
IEC/UNE-EN 61558-2-13

Power > 4 kVA
IEC/UNE-EN 60076-11

Optional:

UL 5085-1
UL 5085-2

CAN/CSA C22.2 NO.66.1-06
CAN/CSA C22.2 NO.66.2-06

Certifications

CE UKCA

Optional: cULus

V0_10/24

INDUSTRIAL SECTOR
Series AMS

VOLTAGE CHANGE

Varnishing

COMPLETE AND ROBUST that protects it from moisture, dust and corrosion.

Reversible

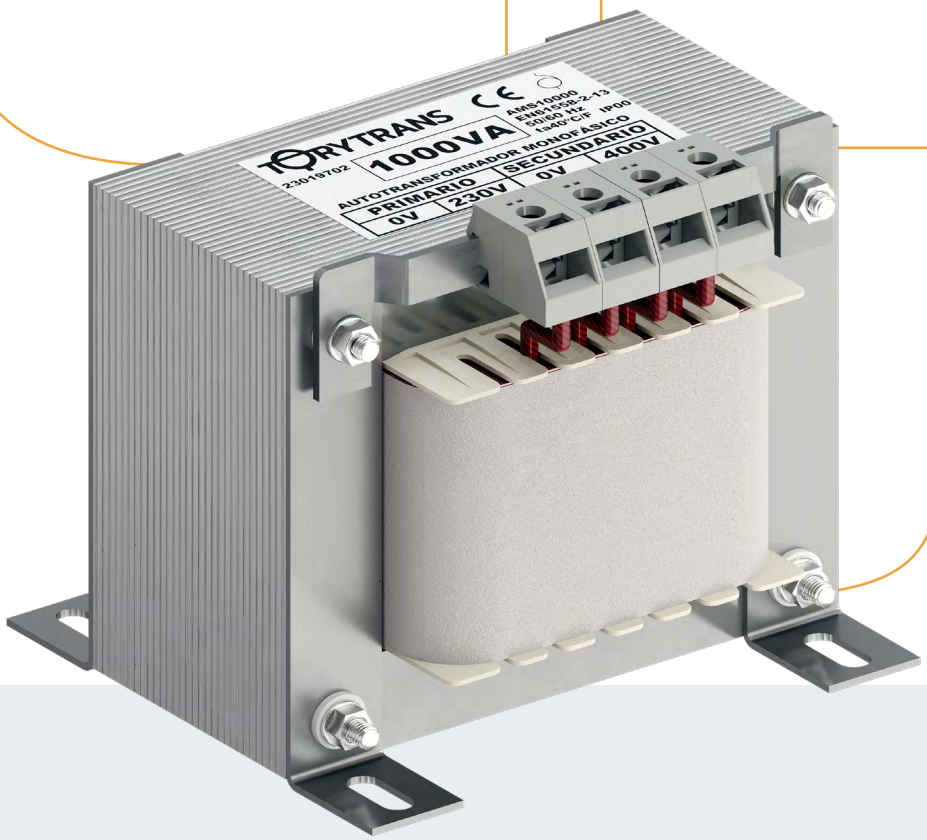
CAN WORK as a voltage booster or reducer.

Size

AND REDUCED WEIGHT for easy placement in electrical cabinets.

Connection

IP20 TERMINALS that protect against dangerous direct contact.



UL

MARKED cRUus optional.

SERIES AMS

AUTOTRANSFORMER
REVERSIBLE SINGLE-PHASE
(IP00)

TORYTRANS

VOLTAGE CHANGE

SERIES AMS

Technical specifications

POWER
100 VA ÷ 10 kVA

PRI VOLTAGE
400 V

SEC VOLTAGE
230 V

FREQUENCY
50/60 Hz

AMBIENT TEMPERATURE
40°

THERMAL CLASS
F (155 °C)

PROTECTION INDEX
IP20

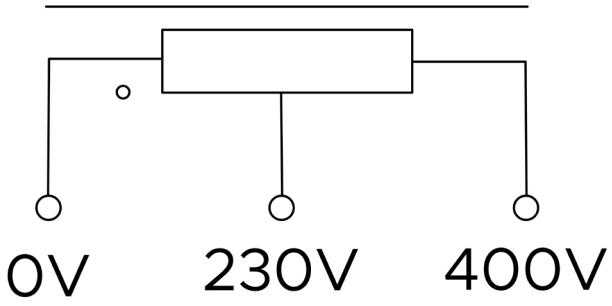
ELECTRIC SHOCK PROTECTION
Class I

TEST VOLTAGE
3 kV

V0_10/24

REVERSIBLE SINGLE-PHASE AUTOTRANSFORMER (IP00)

Electric **schematic**

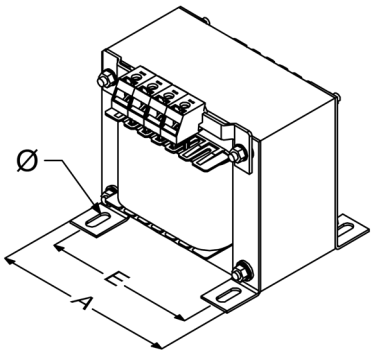


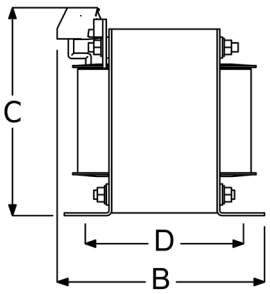
Technical data - standard models

POWER (VA)	REFERENCES	INTENSITY (A)	
		Primary	Secondary
100	**AMS100**	0,25	0,43
200	**AMS200**	0,50	0,87
315	**AMS315**	0,79	1,4
400	**AMS400**	1,0	1,7
500	**AMS500**	1,3	2,2
630	**AMS630**	1,6	2,7
800	**AMS800**	2,0	3,5
1000	**AMS1000**	2,5	4,3
2000	**AMS2000**	5,0	8,7
2500	**AMS2500**	6,3	10,9
3150	**AMS3150**	7,9	13,7
4000	**AMS4000**	10,0	17,4
5000	**AMS5000**	12,5	21,7
6300	**AMS6300**	15,8	27,4
8000	**AMS8000**	20,0	34,8
10000	**AMS10000**	25,0	43,5

Dimensions

POWER (VA)	REF.	DIMENSIONS (mm)						WEIGHT (kg)
		A	B	C	D	E	Ø	
100	**AMS100**	75	58	75	44	62	4x10	1,1
200	**AMS200**	75	72	75	59	62	4x10	1,5
315	**AMS315**	84	78	82	62	70	5x11	2,0
400	**AMS400**	84	88	82	72	70	5x11	2,4
500	**AMS500**	96	83	91	65	80	5x14	2,8
630	**AMS630**	96	93	91	75	80	5x14	3,2
800	**AMS800**	108	110	102	90	90	6x16	4,2
1000	**AMS1000**	108	120	102	100	90	6x16	5,1
2000	**AMS2000**	126	145	116	118	105	6x16	9,2
2500	**AMS2500**	150	145	138	116	125	8x20	11,5
3150	**AMS3150**	150	155	138	126	125	8x20	13,5
4000	**AMS4000**	150	175	138	146	125	8x20	16,5
5000	**AMS5000**	192	150	175	120	160	10x23	21,0
6300	**AMS6300**	192	170	175	140	160	10x23	26,0
8000	**AMS8000**	192	190	175	160	160	10x23	30,0
10000	**AMS10000**	240	200	215	158	200	12x28	40,0





VOLTAGE CHANGE

INDUSTRIAL SECTOR
Series AMS

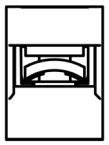
Cabling, protection and fuses

POWER (VA)	REF.	MIN. SECTION PRIMARY CONDUCTOR (mm²)	SMAX SECTION SECONDARY CONDUCTOR (mm²)	PRIMARY PROTECTIONS (A) (T/D/aM)	SECONDARY PROTECTIONS (A) (F/C/gG)
100	**AMS100**	0,5	0,5	0,25	0,4
200	**AMS200**	0,5	0,5	0,5	0,8
315	**AMS315**	0,5	0,5	0,8	1
400	**AMS400**	0,5	0,5	1	1,6
500	**AMS500**	0,5	0,5	1,6	2
630	**AMS630**	0,5	0,5	1,6	2,5
800	**AMS800**	0,5	0,75	2	3,5
1000	**AMS1000**	0,5	0,75	2,5	4
2000	**AMS2000**	0,75	1	5	8
2500	**AMS2500**	1	1,5	6,3	10
3150	**AMS3150**	1	1,5	8	12
4000	**AMS4000**	1	2,5	10	16
5000	**AMS5000**	1,5	2,5	15	20
6300	**AMS6300**	1,5	4	16	25
8000	**AMS8000**	2,5	6	20	32
10000	**AMS10000**	2,5	10	25	40

Terminals

CONECTION		MAX TIGHTENING TORQUE.	POWER (VA)	
Type	Size	(Nm)	400V	230V
	M3	0,5	0,1 - 3,15	0,1 - 1
B1	M4	1,2	4 - 5	2 - 3,15
	M5	2	6,3 - 10	4 - 10

B1



Certification UL (Optional)

Certificate number 20181127-E354573.
UL Category XORU2/8 (Transformer, Construction Only - Component).
Maximum voltage 600V USA (UL) and 750V Canada (CSA).