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TIYAN SRL is a company that was born from the thirty years' experience of his founding partners, which count on a young, dynamic and prepared team.

His field of application is identified in the trade of electronic components for industrial and civil use, on import- export and representations.

The Company Structure was created to meet and satisfy customer needs (mainly customized products) together with our Chinese partners who offer technical support and experience during the production of electronic components.

With the help of our internal and external team and through international certifications we increased our visibility and competitiveness so we can offer to the Electronic Market a valid alternative to historical brands in the branch.



Our vision statement is summarized according to some simple but fundamental points, which act as indicators for a strategic management to be implemented in order to project TIYAN towards a future scenario that reflects its ideals and values:

growth: through the constant improvement and optimization of the delivery processes of our services, we aim to increase the productivity and satisfaction of the final customer.

innovation: enhancing the resources present in our area in order to guarantee rapidity of supply, adequate management of unexpected events / emergencies, exercise direct control over the production phase.

green: implementing environmentally sustainable solutions, through the application of new materials / technologies that allow the reduction of energy consumption in the stand-by phase of our products.

partnership: establishing lasting and profitable partnership relationships with both our customers and suppliers in order to be able to exercise greater control over all stages of the supply chain.



To ensure profitable business management, the top management of TIYAN undertakes to enforce the pursuit of the objectives set out in its mission statement, such as:

CUSTOMER ASSISTANCE: identifying and satisfying the specific needs of each customer in the best possible way, in order to provide a qualitatively valid and safe product at a competitive price.

With the same products and services, what makes the difference is the particular attention paid to our customers, which allows us to provide maximum assistance both in the technical phase, for the design and development of new devices; that in the commercial phase, through the proposal of different quotations based on the materials used for the realization of the products;

QUALITY: Through the use of tools for monitoring the production activity of our suppliers, we can guarantee the highest quality and safety of the products we deal with;

TRAINING: TIYAN aims to increase the value of human capital through the constant training of its collaborators.



QUALITY POLICY

Our primary goal is to provide a product that fully satisfies the needs and expectations of our customers and ensures a reliable management of the company, in full compliance with the applicable legislation.

To best hit our targets we have developed, implemented and documented a Quality Management System compliant with the UNI EN ISO: 9001:2015 standards.

For reaching all above, the Management undertakes to:

- understand the needs of customers and plan their activities to fully satisfy them;
- operate in compliance with the request and requirements of the reference market, the country in which it operates, complying with laws and regulations and with all the parties involved in their critical processes;
- maintain constant contact with suppliers, ensuring optimal order planning and the prevention of dynamic problems that could affect the end customer;
- constantly improve the performance of his Quality Management System, through the preliminary assessment of the risks and opportunities associated with business processes, internal and external verification activities and management review;
- annually review the topicality of the Company's Quality Policy, verifying its adequacy with respect to the objectives identified.

The Management assumes responsibility for the effectiveness of his Quality Management System, making all the necessary resources available and making sure that the planned objectives are compatible with the context and the strategic guidelines of the organization. The organization, being aware that the involvement of all stakeholders is a primary strategic element, makes this policy available to all interested parties.

Certificate N.IT21/0558 - EA Sectors: 19, 35

Copy of the Original Certificates and Audit reports are availables on-demand



ABOUT PRODUCTION PROCESS

Thanks to the cooperation with our Chinese partners, developed during the last years, we can guarantee fully support and cooperation in every single phase of the production process.

Even before the implementation of our Quality management system iso 9001, our management above the production process respects high standards of Quality, which are constantly upgraded and updated trough the Quality Control Plans.

Traceability: according to our test reports, which are available on demand for customer's use, we can easily track the production of the entire batch and follow all the safety tests done on it according to the IRS (100% of the products tested).

Last but not least, as a proof of our constant quality updates, TIYAN's undertakes to periodical updates the quality qualification standards of his partners.

In order to guarantee reliability of the measurement instruments and tools involved during the safety tests and widely in the production process, we periodically check all the calibration certificates (released by certificated metrological institutes) which attest that each instrument/tool is correctly calibrated according to their related standards.

SAFETY ISOLATING TRANSFORMERS

It is a type of transformer which guarantees the isolation between circuits for very low voltage, becoming indicated for class II applications. Under any circumstances, 50V mustn't be exceeded in secondary windings.

It is shown in the body of the transformer with the following shapes.

Safety isolating transformer

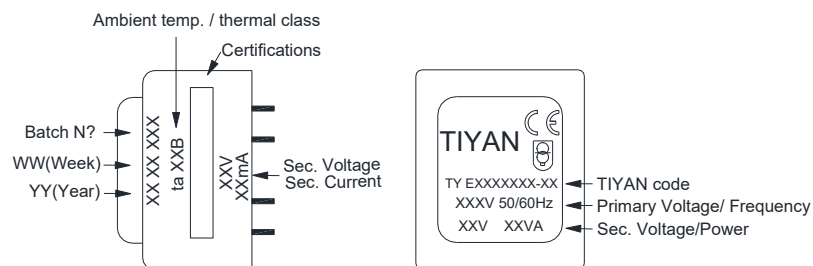


Isolating transformer

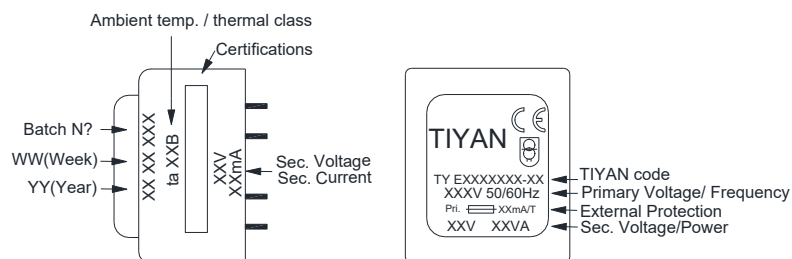


MARKING

Safety and inherently short circuit proof



Non-Short circuit proof safety



PRIMARY/SECONDARY VOLTAGE

Primary Voltage, this is the supply voltage assigned to the transformer by manufacturer, to achieve the secondary power indicated for the working secondaries conditions.

Secondary Voltage, is the voltage supplied by the transformer at secondary circuit with primary voltage at nominal value and secondary indicated current.

Ambient temperature, the maximum temperature that transformer can be operate in a continuous mode under nominal conditions.

Thermal class, it indicates the highest temperature that any material in the transformer can reach when working, it is shown with a letter after that ambient temperature according the IEC60216 standard.

(E-120°C) (B-130°C) (F-155°C) (H-180°C)

SECONDARY POWER

Secondary power, indicated in the catalogue supplied by the secondary of transformer, when the primary gets the nominal conditions. For example 1,5VA at $t_a 40^\circ\text{C}/\text{B}$. for dual secondaries the total power corresponds to the sum of two windings. If the secondary is intended to be connected to a rectifier bridge and smooth capacitors, to supply DC voltage, the power required is quite more bigger than $V \cdot I$ sec. product, to help you to determine the right transformer power our technical dept. will help you.

PROTECTIONS

Short circuit proof, our range of transformers is short circuit proof until 3,2VA power. It is indicated by the safety transformer symbol showing the two inferior vertical lines assembled. The rest of powers need the external protection i.e. fuse, transformer can be manufactured with internal thermal fuse or PTC. The type of external fuses recommended can be type T (time-lag) at primary side or F (Fast) at secondary side

HEATING

Heating is the increase of the winding temperature when operating under certain conditions, it must be determined by the resistance variation method in a steady state condition.

ADAPTED /SPECIAL TRANSFORMER DESIGNS

Any other transformer design that requires different or special characteristics than those indicated in the catalogue, TIYAN technical dept. can evaluate together with customer and see what solutions can be provided in order to obtain the best possible results.

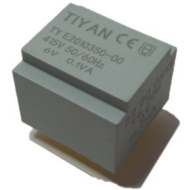
TY SERIES							
TY E2006	115-230V	4.5V-2x24V	0.35-45VA	TA 40-70/B	22x23x15 mm	0.029	240 pcs.
TY E2010	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	22x23x19 mm	0.040	308 pcs.

TY E20 "SMALL" Series

Series designed to meet the highest standards of quality and reliability, maximum power with reduced dimensions, according to the international standards about safety power transformers.

The materials used and the automatic production process (100% dielectric strength and functional tests) including the vacuum encapsulation, guarantee the necessary safety and long-term service –life.

- UL-5058-1-2 / File n° 518405 
- EN-61558-2-6 / Reg. n° 40053534 



0.45VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2006014-00	4.5	100	•		SC
TY E2006000-00	6	75	•		SC
TY E2006002-00	7.5	60	•		SC
TY E2006004-00	9	50	•		SC
TY E2006006-00	12	38	•		SC
TY E2006008-00	15	30	•		SC
TY E2006010-00	18	25	•		SC
TY E2006012-00	24	19	•		SC
TY E2006015-00	2x4.5	2x50	•		SC
TY E2006001-00	2x6	2x38	•		SC
TY E2006003-00	2x7.5	2x30	•		SC
TY E2006005-00	2x9	2x25	•		SC
TY E2006007-00	2x12	2x19	•		SC
TY E2006009-00	2x15	2x15	•		SC
TY E2006011-00	2x18	2x13	•		SC
TY E2006013-00	2x24	2x9	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2006114-00	4.5	100	•		SC
TY E2006100-00	6	75	•		SC
TY E2006102-00	7.5	60	•		SC
TY E2006104-00	9	50	•		SC
TY E2006106-00	12	38	•		SC
TY E2006108-00	15	30	•		SC
TY E2006110-00	18	25	•		SC
TY E2006112-00	24	19	•		SC
TY E2006115-00	2x4.5	2x50	•		SC
TY E2006101-00	2x6	2x38	•		SC
TY E2006103-00	2x7.5	2x30	•		SC
TY E2006105-00	2x9	2x25	•		SC
TY E2006107-00	2x12	2x19	•		SC
TY E2006109-00	2x15	2x15	•		SC
TY E2006111-00	2x18	2x13	•		SC
TY E2006113-00	2x24	2x9	•		SC

SC: Inherently short Circuit proof

E: External

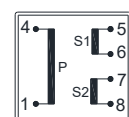
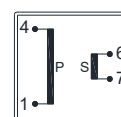
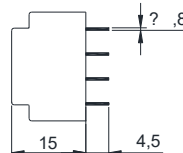
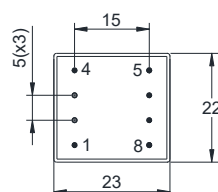
0.35VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2006064-00	4.5	78	•		SC
TY E2006050-00	6	58	•		SC
TY E2006052-00	7.5	47	•		SC
TY E2006054-00	9	39	•		SC
TY E2006056-00	12	38	•		SC
TY E2006058-00	15	30	•		SC
TY E2006060-00	18	25	•		SC
TY E2006062-00	24	19	•		SC
TY E2006065-00	2x4.5	2x39	•		SC
TY E2006051-00	2x6	2x29	•		SC
TY E2006053-00	2x7.5	2x23	•		SC
TY E2006055-00	2x9	2x19	•		SC
TY E2006057-00	2x12	2x15	•		SC
TY E2006059-00	2x15	2x12	•		SC
TY E2006061-00	2x18	2x10	•		SC
TY E2006063-00	2x24	2x7	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2006164-00	4.5	78	•		SC
TY E2006150-00	6	58	•		SC
TY E2006152-00	7.5	47	•		SC
TY E2006154-00	9	39	•		SC
TY E2006156-00	12	38	•		SC
TY E2006158-00	15	30	•		SC
TY E2006160-00	18	25	•		SC
TY E2006162-00	24	19	•		SC
TY E2006165-00	2x4.5	2x39	•		SC
TY E2006151-00	2x6	2x29	•		SC
TY E2006153-00	2x7.5	2x23	•		SC
TY E2006155-00	2x9	2x19	•		SC
TY E2006157-00	2x12	2x15	•		SC
TY E2006159-00	2x15	2x12	•		SC
TY E2006161-00	2x18	2x10	•		SC
TY E2006163-00	2x24	2x7	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS

PRODUCT DESIGN ON DEMAND



Units:mm, General tolerances ISO 2768-c

TIYAN

TY SERIES							
TY E2006	115-230V	4.5V-2x24V	0.35-45VA	TA 40-70/B	22x23x15 mm	0.029	240 pcs.
TY E2010	115-230V	4.5V-2X24V	0.5-0.6VA	TA 40-70/B	22x23x19 mm	0.040	308 pcs.

- UL-5058-1-2 / File n° 518405
- EN-61558-2-6 / Reg. n° 40053534



0.60VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2010014-00	4.5	133	•	•	SC
TY E2010000-00	6	100	•	•	SC
TY E2010002-00	7.5	80	•	•	SC
TY E2010004-00	9	67	•	•	SC
TY E2010006-00	12	50	•	•	SC
TY E2010008-00	15	40	•	•	SC
TY E2010010-00	18	33	•	•	SC
TY E2010012-00	24	25	•	•	SC
TY E2010015-00	2x4.5	2x67	•	•	SC
TY E2010001-00	2x6	2x50	•	•	SC
TY E2010003-00	2x7.5	2x40	•	•	SC
TY E2010005-00	2x9	2x33	•	•	SC
TY E2010007-00	2x12	2x25	•	•	SC
TY E2010009-00	2x15	2x20	•	•	SC
TY E2010011-00	2x18	2x17	•	•	SC
TY E2010013-00	2x24	2x13	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2010114-00	4.5	133	•		SC
TY E2010100-00	6	100	•		SC
TY E2010102-00	7.5	80	•		SC
TY E2010104-00	9	67	•		SC
TY E2010106-00	12	50	•		SC
TY E2010108-00	15	40	•		SC
TY E2010110-00	18	33	•		SC
TY E2010112-00	24	25	•		SC
TY E2010115-00	2x4.5	2x67	•		SC
TY E2010101-00	2x6	2x50	•		SC
TY E2010103-00	2x7.5	2x40	•		SC
TY E2010105-00	2x9	2x33	•		SC
TY E2010107-00	2x12	2x25	•		SC
TY E2010109-00	2x15	2x20	•		SC
TY E2010111-00	2x18	2x17	•		SC
TY E2010113-00	2x24	2x13	•		SC

SC: Inherently short Circuit proof

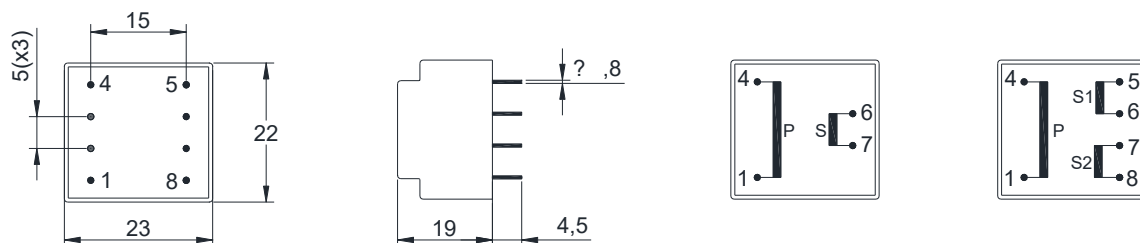
E: External

0.50VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2010064-00	4.5	111	•	•	SC
TY E2010050-00	6	83	•	•	SC
TY E2010052-00	7.5	67	•	•	SC
TY E2010054-00	9	56	•	•	SC
TY E2010056-00	12	42	•	•	SC
TY E2010058-00	15	33	•	•	SC
TY E2010060-00	18	28	•	•	SC
TY E2010062-00	24	21	•	•	SC
TY E2010065-00	2x4.5	2x56	•	•	SC
TY E2010051-00	2x6	2x42	•	•	SC
TY E2010053-00	2x7.5	2x33	•	•	SC
TY E2010055-00	2x9	2x28	•	•	SC
TY E2010057-00	2x12	2x21	•	•	SC
TY E2010059-00	2x15	2x17	•	•	SC
TY E2010061-00	2x18	2x14	•	•	SC
TY E2010063-00	2x24	2x10	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2010164-00	4.5	111	•		SC
TY E2010150-00	6	83	•		SC
TY E2010152-00	7.5	67	•		SC
TY E2010154-00	9	56	•		SC
TY E2010156-00	12	42	•		SC
TY E2010158-00	15	33	•		SC
TY E2010160-00	18	28	•		SC
TY E2010162-00	24	21	•		SC
TY E2010165-00	2x4.5	2x56	•		SC
TY E2010151-00	2x6	2x42	•		SC
TY E2010153-00	2x7.5	2x33	•		SC
TY E2010155-00	2x9	2x28	•		SC
TY E2010157-00	2x12	2x21	•		SC
TY E2010159-00	2x15	2x17	•		SC
TY E2010161-00	2x18	2x14	•		SC
TY E2010163-00	2x24	2x10	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units:mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2X24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3x H mm	0.068-0.14	105-160

TY E30 Series

Series designed to meet the highest standards of quality and reliability, maximum power with reduced dimensions, according to the international standards about safety power transformers.

The materials used and the automatic production process (100% dielectric strength and functional tests) including the vacuum encapsulation, guarantee the necessary safety and long-term service –life.

- UL-5058-1-2 / file n° 518405
- EN 61558-2-6 / reg. n° 40053670



0.60VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3005014-00	4.5	133	•		SC
TY E3005000-00	6	100	•		SC
TY E3005002-00	7.5	80	•		SC
TY E3005004-00	9	67	•		SC
TY E3005006-00	12	50	•		SC
TY E3005008-00	15	40	•		SC
TY E3005010-00	18	33	•		SC
TY E3005012-00	24	25	•		SC
TY E3005015-00	2x4.5	2x67	•		SC
TY E3005001-00	2x6	2x50	•		SC
TY E3005003-00	2x7.5	2x40	•		SC
TY E3005005-00	2x9	2x33	•		SC
TY E3005007-00	2x12	2x25	•		SC
TY E3005009-00	2x15	2x20	•		SC
TY E3005011-00	2x18	2x17	•		SC
TY E3005013-00	2x24	2x13	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3005114-00	4.5	133	•		SC
TY E3005100-00	6	100	•		SC
TY E3005102-00	7.5	80	•		SC
TY E3005104-00	9	67	•		SC
TY E3005106-00	12	50	•		SC
TY E3005108-00	15	40	•		SC
TY E3005110-00	18	33	•		SC
TY E3005112-00	24	25	•		SC
TY E3005115-00	2x4.5	2x67	•		SC
TY E3005101-00	2x6	2x50	•		SC
TY E3005103-00	2x7.5	2x40	•		SC
TY E3005105-00	2x9	2x33	•		SC
TY E3005107-00	2x12	2x25	•		SC
TY E3005109-00	2x15	2x20	•		SC
TY E3005111-00	2x18	2x17	•		SC
TY E3005113-00	2x24	2x13	•		SC

SC: Inherently short Circuit proof

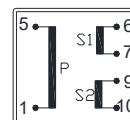
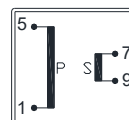
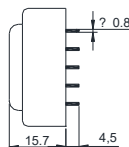
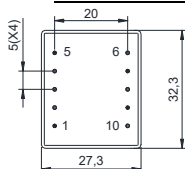
E: External

0.50VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3005064-00	4.5	111	•		SC
TY E3005050-00	6	83	•		SC
TY E3005052-00	7.5	67	•		SC
TY E3005054-00	9	56	•		SC
TY E3005056-00	12	42	•		SC
TY E3005058-00	15	33	•		SC
TY E3005060-00	18	28	•		SC
TY E3005062-00	24	21	•		SC
TY E3005065-00	2x4.5	2x56	•		SC
TY E3005051-00	2x6	2x42	•		SC
TY E3005053-00	2x7.5	2x33	•		SC
TY E3005055-00	2x9	2x28	•		SC
TY E3005057-00	2x12	2x21	•		SC
TY E3005059-00	2x15	2x17	•		SC
TY E3005061-00	2x18	2x14	•		SC
TY E3005063-00	2x24	2x10	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3005164-00	4.5	111	•		SC
TY E3005150-00	6	83	•		SC
TY E3005152-00	7.5	67	•		SC
TY E3005154-00	9	56	•		SC
TY E3005156-00	12	42	•		SC
TY E3005158-00	15	33	•		SC
TY E3005160-00	18	28	•		SC
TY E3005162-00	24	21	•		SC
TY E3005165-00	2x4.5	2x56	•		SC
TY E3005151-00	2x6	2x42	•		SC
TY E3005153-00	2x7.5	2x33	•		SC
TY E3005155-00	2x9	2x28	•		SC
TY E3005157-00	2x12	2x21	•		SC
TY E3005159-00	2x15	2x17	•		SC
TY E3005161-00	2x18	2x14	•		SC
TY E3005163-00	2x24	2x10	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units:mm, General tolerances ISO 2768-c



TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405
- EN 61558-2-6 / reg. n° 40053670



1.5VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011014-00	4.5	333	•		SC
TY E3011000-00	6	250	•		SC
TY E3011002-00	7.5	200	•		SC
TY E3011004-00	9	166	•		SC
TY E3011006-00	12	125	•		SC
TY E3011008-00	15	100	•		SC
TY E3011010-00	18	83	•		SC
TY E3011012-00	24	62	•		SC
TY E3011015-00	2x4.5	2x166	•		SC
TY E3011001-00	2x6	2x125	•		SC
TY E3011003-00	2x7.5	2x100	•		SC
TY E3011005-00	2x9	2x83	•		SC
TY E3011007-00	2x12	2x62	•		SC
TY E3011009-00	2x15	2x50	•		SC
TY E3011011-00	2x18	2x42	•		SC
TY E3011013-00	2x24	2x31	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011114-00	4.5	333	•		SC
TY E3011100-00	6	250	•		SC
TY E3011102-00	7.5	200	•		SC
TY E3011104-00	9	166	•		SC
TY E3011106-00	12	125	•		SC
TY E3011108-00	15	100	•		SC
TY E3011110-00	18	83	•		SC
TY E3011112-00	24	62	•		SC
TY E3011115-00	2x4.5	2x166	•		SC
TY E3011101-00	2x6	2x125	•		SC
TY E3011103-00	2x7.5	2x100	•		SC
TY E3011105-00	2x9	2x83	•		SC
TY E3011107-00	2x12	2x62	•		SC
TY E3011109-00	2x15	2x50	•		SC
TY E3011111-00	2x18	2x42	•		SC
TY E3011113-00	2x24	2x31	•		SC

SC: Inherently short Circuit proof

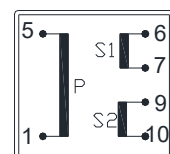
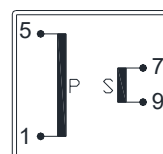
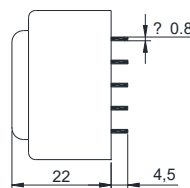
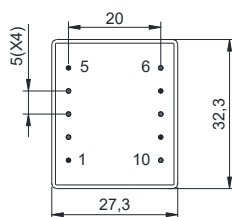
E: External

1.2VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011064-00	4.5	266	•	•	SC
TY E3011050-00	6	200	•	•	SC
TY E3011052-00	7.5	160	•	•	SC
TY E3011054-00	9	133	•	•	SC
TY E3011056-00	12	100	•	•	SC
TY E3011058-00	15	80	•	•	SC
TY E3011060-00	18	66	•	•	SC
TY E3011062-00	24	50	•	•	SC
TY E3011065-00	2x4.5	2x133	•	•	SC
TY E3011051-00	2x6	2x100	•	•	SC
TY E3011053-00	2x7.5	2x53	•	•	SC
TY E3011055-00	2x9	2x66	•	•	SC
TY E3011057-00	2x12	2x50	•	•	SC
TY E3011059-00	2x15	2x40	•	•	SC
TY E3011061-00	2x18	2x33	•	•	SC
TY E3011063-00	2x24	2x25	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011164-00	4.5	266	•		SC
TY E3011150-00	6	200	•		SC
TY E3011152-00	7.5	160	•		SC
TY E3011154-00	9	133	•		SC
TY E3011156-00	12	100	•		SC
TY E3011158-00	15	80	•		SC
TY E3011160-00	18	66	•		SC
TY E3011162-00	24	50	•		SC
TY E3011165-00	2x4.5	2x133	•		SC
TY E3011151-00	2x6	2x100	•		SC
TY E3011153-00	2x7.5	2x53	•		SC
TY E3011155-00	2x9	2x66	•		SC
TY E3011157-00	2x12	2x50	•		SC
TY E3011159-00	2x15	2x40	•		SC
TY E3011161-00	2x18	2x33	•		SC
TY E3011163-00	2x24	2x25	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND



Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405
- EN 61558-2-6 / reg. n° 40053670



1.8VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011414-00	4.5	400	•		SC
TY E3011400-00	6	300	•		SC
TY E3011402-00	7.5	240	•		SC
TY E3011404-00	9	200	•		SC
TY E3011406-00	12	150	•		SC
TY E3011408-00	15	120	•		SC
TY E3011410-00	18	100	•		SC
TY E3011412-00	24	75	•		SC
TY E3011415-00	2x4.5	2x200	•		SC
TY E3011401-00	2x6	2x150	•		SC
TY E3011403-00	2x7.5	2x120	•		SC
TY E3011405-00	2x9	2x100	•		SC
TY E3011407-00	2x12	2x75	•		SC
TY E3011409-00	2x15	2x60	•		SC
TY E3011411-00	2x18	2x50	•		SC
TY E3011413-00	2x24	2x38	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011514-00	4.5	400	•		SC
TY E3011500-00	6	300	•		SC
TY E3011502-00	7.5	240	•		SC
TY E3011504-00	9	200	•		SC
TY E3011506-00	12	150	•		SC
TY E3011508-00	15	120	•		SC
TY E3011510-00	18	100	•		SC
TY E3011512-00	24	75	•		SC
TY E3011515-00	2x4.5	2x200	•		SC
TY E3011501-00	2x6	2x150	•		SC
TY E3011503-00	2x7.5	2x120	•		SC
TY E3011505-00	2x9	2x100	•		SC
TY E3011507-00	2x12	2x75	•		SC
TY E3011509-00	2x15	2x60	•		SC
TY E3011511-00	2x18	2x50	•		SC
TY E3011513-00	2x24	2x38	•		SC

SC: Inherently short Circuit proof

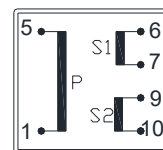
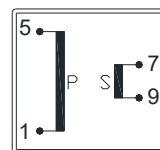
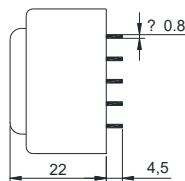
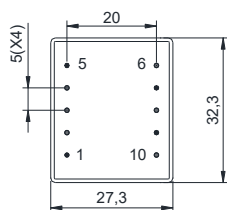
E: External

1.5VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011464-00	4.5	333	•	•	SC
TY E3011450-00	6	250	•	•	SC
TY E3011452-00	7.5	200	•	•	SC
TY E3011454-00	9	166	•	•	SC
TY E3011456-00	12	125	•	•	SC
TY E3011458-00	15	100	•	•	SC
TY E3011460-00	18	83	•	•	SC
TY E3011462-00	24	62	•	•	SC
TY E3011465-00	2x4.5	2x166	•	•	SC
TY E3011451-00	2x6	2x125	•	•	SC
TY E3011453-00	2x7.5	2x100	•	•	SC
TY E3011455-00	2x9	2x83	•	•	SC
TY E3011457-00	2x12	2x62	•	•	SC
TY E3011459-00	2x15	2x50	•	•	SC
TY E3011461-00	2x18	2x42	•	•	SC
TY E3011463-00	2x24	2x31	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011564-00	4.5	333	•		SC
TY E3011550-00	6	250	•		SC
TY E3011552-00	7.5	200	•		SC
TY E3011554-00	9	166	•		SC
TY E3011556-00	12	125	•		SC
TY E3011558-00	15	100	•		SC
TY E3011560-00	18	83	•		SC
TY E3011562-00	24	62	•		SC
TY E3011565-00	2x4.5	2x166	•		SC
TY E3011551-00	2x6	2x125	•		SC
TY E3011553-00	2x7.5	2x100	•		SC
TY E3011555-00	2x9	2x83	•		SC
TY E3011557-00	2x12	2x62	•		SC
TY E3011559-00	2x15	2x50	•		SC
TY E3011561-00	2x18	2x42	•		SC
TY E3011563-00	2x24	2x31	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405



1.8VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3013014-00	4.5	400	•		SC
TY E3013000-00	6	300	•		SC
TY E3013002-00	7.5	240	•		SC
TY E3013004-00	9	200	•		SC
TY E3013006-00	12	150	•		SC
TY E3013008-00	15	120	•		SC
TY E3013010-00	18	100	•		SC
TY E3013012-00	24	75	•		SC
TY E3013015-00	2x4.5	2x200	•		SC
TY E3013001-00	2x6	2x150	•		SC
TY E3013003-00	2x7.5	2x120	•		SC
TY E3013005-00	2x9	2x100	•		SC
TY E3013007-00	2x12	2x75	•		SC
TY E3013009-00	2x15	2x60	•		SC
TY E3013011-00	2x18	2x50	•		SC
TY E3013013-00	2x24	2x38	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3013114-00	4.5	400	•		SC
TY E3013100-00	6	300	•		SC
TY E3013102-00	7.5	240	•		SC
TY E3013104-00	9	200	•		SC
TY E3013106-00	12	150	•		SC
TY E3013108-00	15	120	•		SC
TY E3013110-00	18	100	•		SC
TY E3013112-00	24	75	•		SC
TY E3013115-00	2x4.5	2x200	•		SC
TY E3013101-00	2x6	2x150	•		SC
TY E3013103-00	2x7.5	2x120	•		SC
TY E3013105-00	2x9	2x100	•		SC
TY E3013107-00	2x12	2x75	•		SC
TY E3013109-00	2x15	2x60	•		SC
TY E3013111-00	2x18	2x50	•		SC
TY E3013113-00	2x24	2x38	•		SC

SC: Inherently short Circuit proof

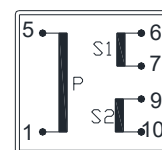
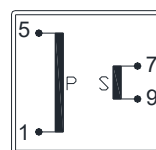
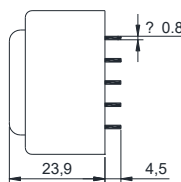
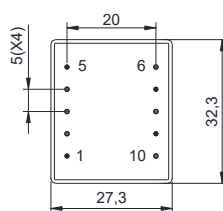
E: External

1.5VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3013064-00	4.5	333	•		SC
TY E3013050-00	6	250	•		SC
TY E3013052-00	7.5	200	•		SC
TY E3013054-00	9	166	•		SC
TY E3013056-00	12	125	•		SC
TY E3013058-00	15	100	•		SC
TY E3013060-00	18	83	•		SC
TY E3013062-00	24	62	•		SC
TY E3013065-00	2x4.5	2x166	•		SC
TY E3013051-00	2x6	2x125	•		SC
TY E3013053-00	2x7.5	2x100	•		SC
TY E3013055-00	2x9	2x83	•		SC
TY E3013057-00	2x12	2x62	•		SC
TY E3013059-00	2x15	2x50	•		SC
TY E3013061-00	2x18	2x42	•		SC
TY E3013063-00	2x24	2x31	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3013164-00	4.5	333	•		SC
TY E3013150-00	6	250	•		SC
TY E3013152-00	7.5	200	•		SC
TY E3013154-00	9	166	•		SC
TY E3013156-00	12	125	•		SC
TY E3013158-00	15	100	•		SC
TY E3013160-00	18	83	•		SC
TY E3013162-00	24	62	•		SC
TY E3013165-00	2x4.5	2x166	•		SC
TY E3013151-00	2x6	2x125	•		SC
TY E3013153-00	2x7.5	2x100	•		SC
TY E3013155-00	2x9	2x83	•		SC
TY E3013157-00	2x12	2x62	•		SC
TY E3013159-00	2x15	2x50	•		SC
TY E3013161-00	2x18	2x42	•		SC
TY E3013163-00	2x24	2x31	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405
- EN 61558-2-6 / reg. n° 40053670



2.4VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3016014-00	4.5	533	•		SC
TY E3016000-00	6	400	•		SC
TY E3016002-00	7.5	320	•		SC
TY E3016004-00	9	267	•		SC
TY E3016006-00	12	200	•		SC
TY E3016008-00	15	160	•		SC
TY E3016010-00	18	133	•		SC
TY E3016012-00	24	100	•		SC
TY E3016015-00	2x4.5	2x267	•		SC
TY E3016001-00	2x6	2x200	•		SC
TY E3016003-00	2x7.5	2x160	•		SC
TY E3016005-00	2x9	2x133	•		SC
TY E3016007-00	2x12	2x100	•		SC
TY E3016009-00	2x15	2x80	•		SC
TY E3016011-00	2x18	2x67	•		SC
TY E3016013-00	2x24	2x50	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3016114-00	4.5	533	•		SC
TY E3016100-00	6	400	•		SC
TY E3016102-00	7.5	320	•		SC
TY E3016104-00	9	267	•		SC
TY E3016106-00	12	200	•		SC
TY E3016108-00	15	160	•		SC
TY E3016110-00	18	133	•		SC
TY E3016112-00	24	100	•		SC
TY E3016115-00	2x4.5	2x267	•		SC
TY E3016101-00	2x6	2x200	•		SC
TY E3016103-00	2x7.5	2x160	•		SC
TY E3016105-00	2x9	2x133	•		SC
TY E3016107-00	2x12	2x100	•		SC
TY E3016109-00	2x15	2x80	•		SC
TY E3016111-00	2x18	2x67	•		SC
TY E3016113-00	2x24	2x50	•		SC

SC: Inherently short Circuit proof

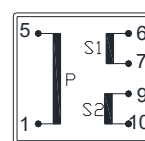
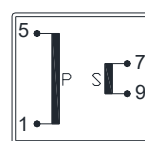
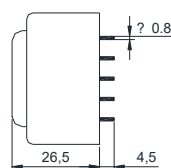
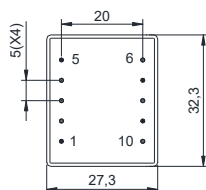
E: External

2.0VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3016064-00	4.5	444	•	•	SC
TY E3016050-00	6	333	•	•	SC
TY E3016052-00	7.5	267	•	•	SC
TY E3016054-00	9	222	•	•	SC
TY E3016056-00	12	167	•	•	SC
TY E3016058-00	15	133	•	•	SC
TY E3016060-00	18	111	•	•	SC
TY E3016062-00	24	83	•	•	SC
TY E3016065-00	2x4.5	2x222	•	•	SC
TY E3016051-00	2x6	2x167	•	•	SC
TY E3016053-00	2x7.5	2x133	•	•	SC
TY E3016055-00	2x9	2x111	•	•	SC
TY E3016057-00	2x12	2x83	•	•	SC
TY E3016059-00	2x15	2x67	•	•	SC
TY E3016061-00	2x18	2x56	•	•	SC
TY E3016063-00	2x24	2x42	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3016164-00	4.5	444	•		SC
TY E3016150-00	6	333	•		SC
TY E3016152-00	7.5	267	•		SC
TY E3016154-00	9	222	•		SC
TY E3016156-00	12	167	•		SC
TY E3016158-00	15	133	•		SC
TY E3016160-00	18	111	•		SC
TY E3016162-00	24	83	•		SC
TY E3016165-00	2x4.5	2x222	•		SC
TY E3016151-00	2x6	2x167	•		SC
TY E3016153-00	2x7.5	2x133	•		SC
TY E3016155-00	2x9	2x111	•		SC
TY E3016157-00	2x12	2x83	•		SC
TY E3016159-00	2x15	2x67	•		SC
TY E3016161-00	2x18	2x56	•		SC
TY E3016163-00	2x24	2x42	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405
- EN 61558-2-6 / reg. n° 40053670



2.8VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3018014-00	4.5	622	•	•	SC
TY E3018000-00	6	467	•	•	SC
TY E3018002-00	7.5	373	•	•	SC
TY E3018004-00	9	311	•	•	SC
TY E3018006-00	12	233	•	•	SC
TY E3018008-00	15	187	•	•	SC
TY E3018010-00	18	156	•	•	SC
TY E3018012-00	24	117	•	•	SC
TY E3018015-00	2x4.5	2x311	•	•	SC
TY E3018001-00	2x6	2x233	•	•	SC
TY E3018003-00	2x7.5	2x187	•	•	SC
TY E3018005-00	2x9	2x156	•	•	SC
TY E3018007-00	2x12	2x117	•	•	SC
TY E3018009-00	2x15	2x93	•	•	SC
TY E3018011-00	2x18	2x78	•	•	SC
TY E3018013-00	2x24	2x58	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3018114-00	4.5	622	•	•	SC
TY E3018100-00	6	467	•	•	SC
TY E3018102-00	7.5	373	•	•	SC
TY E3018104-00	9	311	•	•	SC
TY E3018106-00	12	233	•	•	SC
TY E3018108-00	15	187	•	•	SC
TY E3018110-00	18	156	•	•	SC
TY E3018112-00	24	117	•	•	SC
TY E3018115-00	2x4.5	2x311	•	•	SC
TY E3018101-00	2x6	2x233	•	•	SC
TY E3018103-00	2x7.5	2x187	•	•	SC
TY E3018105-00	2x9	2x156	•	•	SC
TY E3018107-00	2x12	2x117	•	•	SC
TY E3018109-00	2x15	2x93	•	•	SC
TY E3018111-00	2x18	2x78	•	•	SC
TY E3018113-00	2x24	2x58	•	•	SC

SC: Inherently short Circuit proof

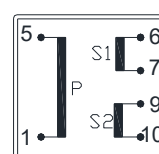
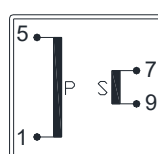
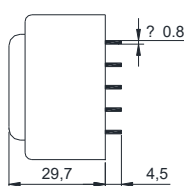
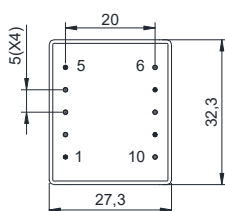
E: External

2.3VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3018064-00	4.5	511	•	•	SC
TY E3018050-00	6	383	•	•	SC
TY E3018052-00	7.5	307	•	•	SC
TY E3018054-00	9	256	•	•	SC
TY E3018056-00	12	192	•	•	SC
TY E3018058-00	15	153	•	•	SC
TY E3018060-00	18	128	•	•	SC
TY E3018062-00	24	96	•	•	SC
TY E3018065-00	2x4.5	2x256	•	•	SC
TY E3018051-00	2x6	2x192	•	•	SC
TY E3018053-00	2x7.5	2x153	•	•	SC
TY E3018055-00	2x9	2x128	•	•	SC
TY E3018057-00	2x12	2x96	•	•	SC
TY E3018059-00	2x15	2x77	•	•	SC
TY E3018061-00	2x18	2x64	•	•	SC
TY E3018063-00	2x24	2x48	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3018164-00	4.5	511	•	•	SC
TY E3018150-00	6	383	•	•	SC
TY E3018152-00	7.5	307	•	•	SC
TY E3018154-00	9	256	•	•	SC
TY E3018156-00	12	192	•	•	SC
TY E3018158-00	15	153	•	•	SC
TY E3018160-00	18	128	•	•	SC
TY E3018162-00	24	96	•	•	SC
TY E3018165-00	2x4.5	2x256	•	•	SC
TY E3018151-00	2x6	2x192	•	•	SC
TY E3018153-00	2x7.5	2x153	•	•	SC
TY E3018155-00	2x9	2x128	•	•	SC
TY E3018157-00	2x12	2x96	•	•	SC
TY E3018159-00	2x15	2x77	•	•	SC
TY E3018161-00	2x18	2x64	•	•	SC
TY E3018163-00	2x24	2x48	•	•	SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405



3.2VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3023014-00	4.5	711	•		SC
TY E3023000-00	6	533	•		SC
TY E3023002-00	7.5	427	•		SC
TY E3023004-00	9	356	•		SC
TY E3023006-00	12	267	•		SC
TY E3023008-00	15	213	•		SC
TY E3023010-00	18	178	•		SC
TY E3023012-00	24	133	•		SC
TY E3023015-00	2x4.5	2x356	•		SC
TY E3023001-00	2x6	2x267	•		SC
TY E3023003-00	2x7.5	2x213	•		SC
TY E3023005-00	2x9	2x178	•		SC
TY E3023007-00	2x12	2x133	•		SC
TY E3023009-00	2x15	2x107	•		SC
TY E3023011-00	2x18	2x89	•		SC
TY E3023013-00	2x24	2x67	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3023114-00	4.5	711	•		SC
TY E3023100-00	6	533	•		SC
TY E3023102-00	7.5	427	•		SC
TY E3023104-00	9	356	•		SC
TY E3023106-00	12	267	•		SC
TY E3023108-00	15	213	•		SC
TY E3023110-00	18	178	•		SC
TY E3023112-00	24	133	•		SC
TY E3023115-00	2x4.5	2x356	•		SC
TY E3023101-00	2x6	2x267	•		SC
TY E3023103-00	2x7.5	2x213	•		SC
TY E3023105-00	2x9	2x178	•		SC
TY E3023107-00	2x12	2x133	•		SC
TY E3023109-00	2x15	2x107	•		SC
TY E3023111-00	2x18	2x89	•		SC
TY E3023113-00	2x24	2x67	•		SC

SC: Inherently short Circuit proof

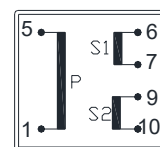
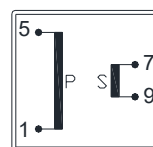
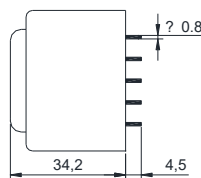
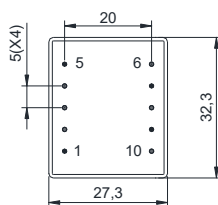
E: External

2.8VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3023064-00	4.5	622	•		SC
TY E3023050-00	6	467	•		SC
TY E3023052-00	7.5	373	•		SC
TY E3023054-00	9	311	•		SC
TY E3023056-00	12	233	•		SC
TY E3023058-00	15	187	•		SC
TY E3023060-00	18	156	•		SC
TY E3023062-00	24	117	•		SC
TY E3023065-00	2x4.5	2x311	•		SC
TY E3023051-00	2x6	2x233	•		SC
TY E3023053-00	2x7.5	2x187	•		SC
TY E3023055-00	2x9	2x156	•		SC
TY E3023057-00	2x12	2x117	•		SC
TY E3023059-00	2x15	2x93	•		SC
TY E3023061-00	2x18	2x78	•		SC
TY E3023063-00	2x24	2x58	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3023164-00	4.5	511	•		SC
TY E3023150-00	6	383	•		SC
TY E3023152-00	7.5	307	•		SC
TY E3023154-00	9	256	•		SC
TY E3023156-00	12	192	•		SC
TY E3023158-00	15	153	•		SC
TY E3023160-00	18	128	•		SC
TY E3023162-00	24	96	•		SC
TY E3023165-00	2x4.5	2x256	•		SC
TY E3023151-00	2x6	2x192	•		SC
TY E3023153-00	2x7.5	2x153	•		SC
TY E3023155-00	2x9	2x128	•		SC
TY E3023157-00	2x12	2x96	•		SC
TY E3023159-00	2x15	2x77	•		SC
TY E3023161-00	2x18	2x64	•		SC
TY E3023163-00	2x24	2x48	•		SC

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C

PRODUCT DESIGN ON DEMAND

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
V	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

- UL-5058-1-2 / file n° 518405
- EN 61558-2-6 / reg. n° 40053670



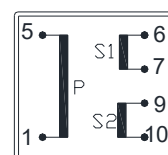
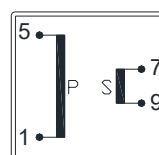
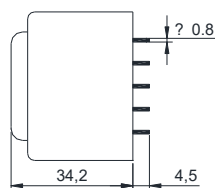
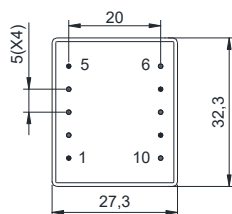
3.0VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3023464-00	4.5	666	•		SC
TY E3023450-00	6	500	•	•	SC
TY E3023452-00	7.5	400	•	•	SC
TY E3023454-00	9	333	•	•	SC
TY E3023456-00	12	250	•	•	SC
TY E3023458-00	15	200	•	•	SC
TY E3023460-00	18	166	•	•	SC
TY E3023462-00	24	125	•	•	SC
TY E3023465-00	2x4.5	2x333	•		SC
TY E3023451-00	2x6	2x250	•	•	SC
TY E3023453-00	2x7.5	2x200	•	•	SC
TY E3023455-00	2x9	2x166	•	•	SC
TY E3023457-00	2x12	2x125	•	•	SC
TY E3023459-00	2x15	2x100	•		SC
TY E3023461-00	2x18	2x83	•		SC
TY E3023463-00	2x24	2x62	•		SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3023564-00	4.5	711	•		SC
TY E3023550-00	6	533	•		SC
TY E3023552-00	7.5	427	•		SC
TY E3023554-00	9	356	•		SC
TY E3023556-00	12	267	•		SC
TY E3023558-00	15	213	•		SC
TY E3023560-00	18	178	•		SC
TY E3023562-00	24	133	•		SC
TY E3023565-00	2x4.5	2x356	•		SC
TY E3023551-00	2x6	2x267	•		SC
TY E3023553-00	2x7.5	2x213	•		SC
TY E3023555-00	2x9	2x178	•		SC
TY E3023557-00	2x12	2x133	•		SC
TY E3023559-00	2x15	2x107	•		SC
TY E3023561-00	2x18	2x89	•		SC
TY E3023563-00	2x24	2x67	•		SC

SC: Inherently short Circuit proof

E: External



MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND



Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

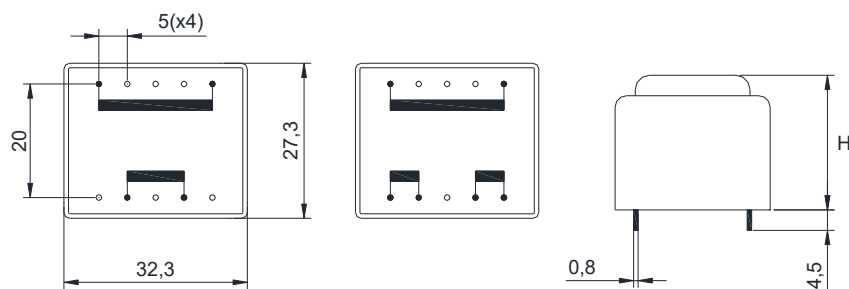
TY SERIES	P	S1 S2	VA	TEMP	L H W	Kg	Box
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

The ERP Directive (Directive 2009/125/EC) establishes a framework for the setting of eco-design requirements for energy-related products (ERPs). The directive applies to a wide range of products, including household appliances, heating and cooling equipment, lighting, and office equipment, among others. Its goal is to help the EU achieve its energy efficiency and greenhouse gas emission reduction targets by setting minimum energy performance standards for these products and encouraging the development and use of more energy-efficient technologies. TIYAN has developed the GREEN SERIES with low power consumption in standby mode when required, below the 0.4W with the aim to develop products with high efficiency and low consumption, lower input powers on demand.

TY E30 GREEN**ErP**

Main Characteristics:

- Primary voltages from 24 to 250V
- Secondary voltages from 2V to 48V.
- Secondary powers from 1.5 to 3.2VA
- Temperature class 70°C/B
- Self-extinguish cast housing and potting material
- Dual chamber bobbin.
- 100% production inspection
- According to:   



SERIES	H (mm)
TY E3011	22
TY E3013	23,9
TY E3016	26,3
TY E3018	29,5
TY E3023	34



TY SERIES							
TY E3005	115-230V	4.5V-2x24V	0.5-0.6VA	TA 40-70/B	32.3x27.3x15.7 mm	0.040	200/240
TY E3011	115-230V	4.5V-2x24V	1.2-1.8VA	TA 40-70/B	32.3x27.3x22 mm	0.068	160
TY E3013	115-230V	4.5V-2x24V	1.5-1.8VA	TA 40-70/B	32.3x27.3x23.9 mm	0.085	160
TY E3016	115-230V	4.5V-2x24V	2-2.4VA	TA 40-70/B	32.3x27.3x26.3 mm	0.095	135
TY E3018	115-230V	4.5V-2x24V	2.3-2.8VA	TA 40-70/B	32.3x27.3x29.5 mm	0.113	135
TY E3023	115-230V	4.5V-2x24V	2.8-3.2VA	TA 40-70/B	32.3x27.3x34 mm	0.140	105
TY E30 GREEN	115-230V	4.5V-2x24V	1.2-3.2VA	TA 40-70/B	32.3x27.3xH mm	0.068-0.14	105-160

TY E3011 (GREEN SERIE)		1.5VA 70°C/B			
CODE	Primary voltage	No load power loss	Secondary voltage	Secondary current	Approval
TY E3011850-00	230V	≤ 0.4W	6V	250mA	UL/VDE
TY E3011854-00	230V	≤ 0.4W	9V	166mA	UL/VDE
TY E3011856-00	230V	≤ 0.4W	12	125mA	UL/VDE
TY E3011858-00	230V	≤ 0.4W	15	100mA	UL/VDE

TY E3013 (GREEN SERIE)		1.8VA 40°C/B			
CODE	Primary voltage	No load power loss	Secondary voltage	Secondary current	Approval
TY E3013800-00	230V	≤ 0.4W	6V	300mA	UL
TY E3013804-00	230V	≤ 0.4W	9V	200mA	UL
TY E3013806-00	230V	≤ 0.4W	12	150mA	UL
TY E3013808-00	230V	≤ 0.4W	15	120mA	UL

TY E3016 (GREEN SERIE)		2.0VA 70°C/B			
CODE	Primary voltage	No load power loss	Secondary voltage	Secondary current	Approval
TY E3016850-00	230V	≤ 0.4W	6V	333mA	UL/VDE
TY E3016854-00	230V	≤ 0.4W	9V	222mA	UL/VDE
TY E3016856-00	230V	≤ 0.4W	12	167mA	UL/VDE
TY E3016858-00	230V	≤ 0.4W	15	133mA	UL/VDE

TY E3018 (GREEN SERIE)		2.3VA 70°C/B			
CODE	Primary voltage	No load power loss	Secondary voltage	Secondary current	Approval
TY E3018850-00	230V	≤ 0.4W	6V	383mA	UL/VDE
TY E3018854-00	230V	≤ 0.4W	9V	256mA	UL/VDE
TY E3018856-00	230V	≤ 0.4W	12	192mA	UL/VDE
TY E3018858-00	230V	≤ 0.4W	15	153mA	UL/VDE

TY E3023 (GREEN SERIE)		3VA 70°C/B			
CODE	Primary voltage	No load power loss	Secondary voltage	Secondary current	Approval
TY E3023950-00	230V	≤ 0.4W	6V	500mA	UL/VDE
TY E3023954-00	230V	≤ 0.4W	9V	333mA	UL/VDE
TY E3023956-00	230V	≤ 0.4W	12	250mA	UL/VDE
TY E3023958-00	230V	≤ 0.4W	15	200mA	UL/VDE

LOWER INPUT POWER DESIGN, ON DEMAND



TY SERIES							
TY E2010	115-230V	12V	0.5VA	TA 70/B	22x23x19 mm	0.040	308 pcs.
TY E3011	115-230V	9V	1.5VA	TA 70/B	32.3x27.3x22 mm	0.068	160 pcs.

- UL-5058-2-3 / file n° 527254
- EN 61558-2-6 / reg. n° 40053670



0.5VA / ta70/B Single Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2010916-00	12	41.6	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E2010917-00	12	41.6	•	•	SC

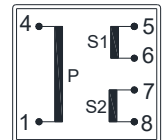
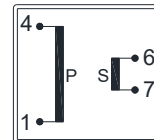
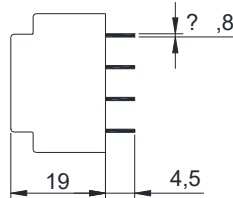
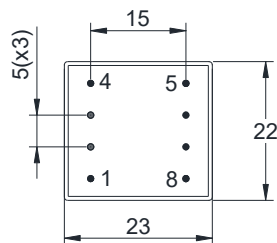
SC: Inherently short Circuit proof

1.5VA / ta70/B Single Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011916-00	9	166	•	•	SC
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3011917-00	9	166	•	•	SC

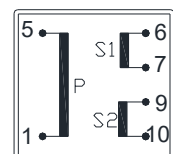
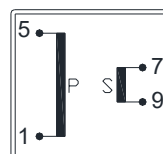
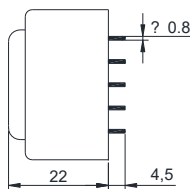
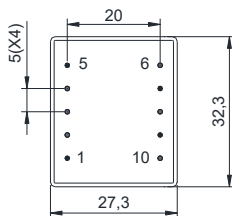
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units:mm, General tolerances ISO 2768-c



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

TIYAN

TY SERIES							
TY E3814	115-230V	4.5V-2x24V	3.5-4.5VA	TA 40-70/B	34.8x41.2x28.3mm	0.150	80
TY E3820	115-230V	4.5V-2X24V	5-6VA	TA 40-70/B	34.8x41.2x34.2mm	0.150	60

- UL-5058-1-2 / file n° 518405 



4.0VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814014-00	4.5	888	•		E
TY E3814000-00	6	666	•		E
TY E3814002-00	7.5	533	•		E
TY E3814004-00	9	444	•		E
TY E3814006-00	12	333	•		E
TY E3814008-00	15	266	•		E
TY E3814010-00	18	222	•		E
TY E3814012-00	24	166	•		E
TY E3814015-00	2x4.5	2x444	•		E
TY E3814001-00	2x6	2x333	•		E
TY E3814003-00	2x7.5	2x266	•		E
TY E3814005-00	2x9	2x222	•		E
TY E3814007-00	2x12	2x166	•		E
TY E3814009-00	2x15	2x133	•		E
TY E3814011-00	2x18	2x111	•		E
TY E3814013-00	2x24	2x83	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814114-00	4.5	888	•		E
TY E3814100-00	6	666	•		E
TY E3814102-00	7.5	533	•		E
TY E3814104-00	9	444	•		E
TY E3814106-00	12	333	•		E
TY E3814108-00	15	266	•		E
TY E3814110-00	18	222	•		E
TY E3814112-00	24	166	•		E
TY E3814115-00	2x4.5	2x444	•		E
TY E3814101-00	2x6	2x333	•		E
TY E3814103-00	2x7.5	2x266	•		E
TY E3814105-00	2x9	2x222	•		E
TY E3814107-00	2x12	2x166	•		E
TY E3814109-00	2x15	2x133	•		E
TY E3814111-00	2x18	2x111	•		E
TY E3814113-00	2x24	2x83	•		E

SC: Inherently short Circuit proof

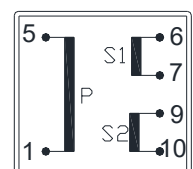
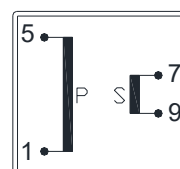
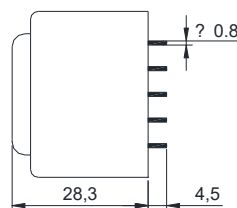
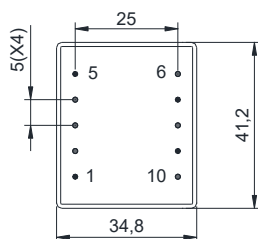
E: External

3.5VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814064-00	4.5	777	•		E
TY E3814050-00	6	583	•		E
TY E3814052-00	7.5	466	•		E
TY E3814054-00	9	388	•		E
TY E3814056-00	12	291	•		E
TY E3814058-00	15	233	•		E
TY E3814060-00	18	194	•		E
TY E3814062-00	24	145	•		E
TY E3814065-00	2x4.5	2x388	•		E
TY E3814051-00	2x6	2x291	•		E
TY E3814053-00	2x7.5	2x233	•		E
TY E3814055-00	2x9	2x194	•		E
TY E3814057-00	2x12	2x145	•		E
TY E3814059-00	2x15	2x116	•		E
TY E3814061-00	2x18	2x97	•		E
TY E3814063-00	2x24	2x72	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814164-00	4.5	777	•		E
TY E3814150-00	6	583	•		E
TY E3814152-00	7.5	466	•		E
TY E3814154-00	9	388	•		E
TY E3814156-00	12	291	•		E
TY E3814158-00	15	233	•		E
TY E3814160-00	18	194	•		E
TY E3814162-00	24	145	•		E
TY E3814165-00	2x4.5	2x388	•		E
TY E3814151-00	2x6	2x291	•		E
TY E3814153-00	2x7.5	2x233	•		E
TY E3814155-00	2x9	2x194	•		E
TY E3814157-00	2x12	2x145	•		E
TY E3814159-00	2x15	2x116	•		E
TY E3814161-00	2x18	2x97	•		E
TY E3814163-00	2x24	2x72	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

TIYAN

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E3814	115-230V	4.5V-2x24V	3.5-4.5VA	TA 40-70/B	34.8x41.2x28.3mm	0.150	80
TY E3820	115-230V	4.5V-2X24V	5-6VA	TA 40-70/B	34.8x41.2x34.2mm	0.150	60

- UL-5058-1-2 / file n° 518405 
-   

4.5VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814414-00	4.5	1000	•		E
TY E3814400-00	6	750	•		E
TY E3814402-00	7.5	600	•		E
TY E3814404-00	9	500	•		E
TY E3814406-00	12	375	•		E
TY E3814408-00	15	300	•		E
TY E3814410-00	18	250	•		E
TY E3814412-00	24	187	•		E
TY E3814415-00	2x4.5	2x500	•		E
TY E3814401-00	2x6	2x375	•		E
TY E381403-00	2x7.5	2x300	•		E
TY E3814405-00	2x9	2x250	•		E
TY E3814407-00	2x12	2x187	•		E
TY E3814409-00	2x15	2x150	•		E
TY E3814411-00	2x18	2x125	•		E
TY E3814413-00	2x24	2x93	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814514-00	4.5	1000	•		E
TY E3814500-00	6	750	•		E
TY E3814502-00	7.5	600	•		E
TY E3814504-00	9	500	•		E
TY E3814506-00	12	375	•		E
TY E3814508-00	15	300	•		E
TY E3814510-00	18	250	•		E
TY E3814512-00	24	187	•		E
TY E3814515-00	2x4.5	2x500	•		E
TY E3814501-00	2x6	2x375	•		E
TY E3814503-00	2x7.5	2x300	•		E
TY E3814505-00	2x9	2x250	•		E
TY E3814507-00	2x12	2x187	•		E
TY E3814509-00	2x15	2x150	•		E
TY E3814511-00	2x18	2x125	•		E
TY E3814513-00	2x24	2x93	•		E

SC: Inherently short Circuit proof

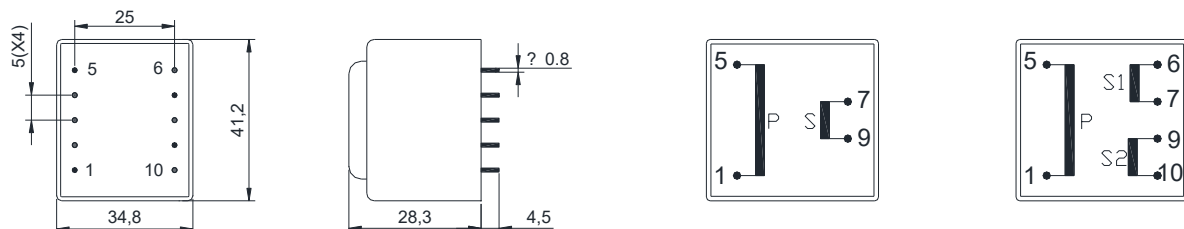
E: External

3.8VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814464-00	4.5	844	•		E
TY E3814450-00	6	633	•		E
TY E3814452-00	7.5	506	•		E
TY E3814454-00	9	422	•		E
TY E3814456-00	12	316	•		E
TY E3814458-00	15	253	•		E
TY E3814460-00	18	211	•		E
TY E3814462-00	24	158	•		E
TY E3814465-00	2x4.5	2x422	•		E
TY E3814451-00	2x6	2x316	•		E
TY E3814453-00	2x7.5	2x253	•		E
TY E3814455-00	2x9	2x211	•		E
TY E3814457-00	2x12	2x158	•		E
TY E3814459-00	2x15	2x126	•		E
TY E3814461-00	2x18	2x105	•		E
TY E3814463-00	2x24	2x79	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814564-00	4.5	844	•		E
TY E3814550-00	6	633	•		E
TY E3814552-00	7.5	506	•		E
TY E3814554-00	9	422	•		E
TY E3814556-00	12	316	•		E
TY E3814558-00	15	253	•		E
TY E3814560-00	18	211	•		E
TY E3814562-00	24	158	•		E
TY E3814565-00	2x4.5	2x422	•		E
TY E3814551-00	2x6	2x316	•		E
TY E3814553-00	2x7.5	2x253	•		E
TY E3814555-00	2x9	2x211	•		E
TY E3814557-00	2x12	2x158	•		E
TY E3814559-00	2x15	2x126	•		E
TY E3814561-00	2x18	2x105	•		E
TY E3814563-00	2x24	2x79	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND



TY SERIES							
TY E3814	115-230V	4.5V-2x24V	3.5-4.5VA	TA 40-70/B	34.8x41.2x28.3mm	0.150	80
TY E3820	115-230V	4.5V-2X24V	5-6VA	TA 40-70/B	34.8x41.2x34.2mm	0.150	60

- UL-5058-1-2 / file n° 518405 



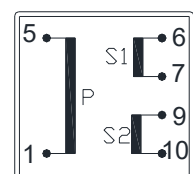
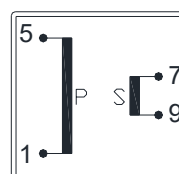
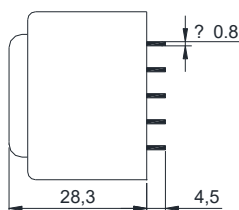
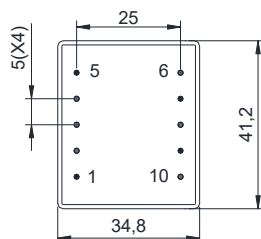
4.5VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814664-00	4.5	1000	•		E
TY E3814650-00	6	750	•		E
TY E3814652-00	7.5	600	•		E
TY E3814654-00	9	500	•		E
TY E3814656-00	12	375	•		E
TY E3814658-00	15	300	•		E
TY E3814660-00	18	250	•		E
TY E3814662-00	24	187	•		E
TY E3814665-00	2x4.5	2x500	•		E
TY E3814651-00	2x6	2x375	•		E
TY E3814653-00	2x7.5	2x300	•		E
TY E3814655-00	2x9	2x250	•		E
TY E3814657-00	2x12	2x187	•		E
TY E3814659-00	2x15	2x150	•		E
TY E3814661-00	2x18	2x125	•		E
TY E3814663-00	2x24	2x93	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3814764-00	4.5	1000	•		E
TY E3814750-00	6	750	•		E
TY E3814752-00	7.5	600	•		E
TY E3814754-00	9	500	•		E
TY E3814756-00	12	375	•		E
TY E3814758-00	15	300	•		E
TY E3814760-00	18	250	•		E
TY E3814762-00	24	187	•		E
TY E3814765-00	2x4.5	2x500	•		E
TY E3814751-00	2x6	2x375	•		E
TY E3814753-00	2x7.5	2x300	•		E
TY E3814755-00	2x9	2x250	•		E
TY E3814757-00	2x12	2x187	•		E
TY E3814759-00	2x15	2x150	•		E
TY E3814761-00	2x18	2x125	•		E
TY E3814763-00	2x24	2x93	•		E

SC: Inherently short Circuit proof

E: External



MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

TIYAN

ENCAPSULATED TRANSFORMERS

TY E38 SERIES

TY SERIES							
TY E3814	115-230V	4.5V-2x24V	3.5-4.5VA	TA 40-70/B	34.8x41.2x28.3mm	0.150	80
TY E3820	115-230V	4.5V-2X24V	5-6VA	TA 40-70/B	34.8x41.2x34.2mm	0.150	60

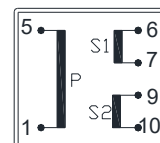
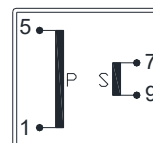
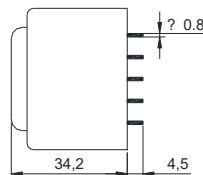
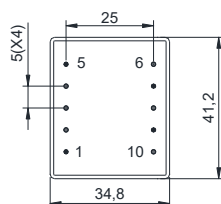
- UL-5058-1-2 / file n° 518405 
-   



6VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3820014-00	4.5	1333	•		E
TY E3820000-00	6	1000	•		E
TY E3820002-00	7.5	800	•		E
TY E3820004-00	9	666	•		E
TY E3820006-00	12	500	•		E
TY E3820008-00	15	400	•		E
TY E3820010-00	18	333	•		E
TY E3820012-00	24	250	•		E
TY E3820015-00	2x4.5	2x666	•		E
TY E3820001-00	2x6	2x500	•		E
TY E3820003-00	2x7.5	2x400	•		E
TY E3820005-00	2x9	2x333	•		E
TY E3820007-00	2x12	2x250	•		E
TY E3820009-00	2x15	2x200	•		E
TY E3820011-00	2x18	2x166	•		E
TY E3820013-00	2x24	2x125	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3820114-00	4.5	1333	•		E
TY E3820100-00	6	1000	•		E
TY E3820102-00	7.5	800	•		E
TY E3820104-00	9	666	•		E
TY E3820106-00	12	500	•		E
TY E3820108-00	15	400	•		E
TY E3820110-00	18	333	•		E
TY E3820112-00	24	250	•		E
TY E3820115-00	2x4.5	2x666	•		E
TY E3820101-00	2x6	2x500	•		E
TY E3820103-00	2x7.5	2x400	•		E
TY E3820105-00	2x9	2x333	•		E
TY E3820107-00	2x12	2x250	•		E
TY E3820109-00	2x15	2x200	•		E
TY E3820111-00	2x18	2x166	•		E
TY E3820113-00	2x24	2x125	•		E
SC: Inherently short Circuit proof			E: External		

5VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3820064-00	4.5	1111	•		E
TY E3820050-00	6	833	•		E
TY E3820052-00	7.5	666	•		E
TY E3820054-00	9	555	•		E
TY E3820056-00	12	416	•		E
TY E3820058-00	15	333	•		E
TY E3820060-00	18	277	•		E
TY E3820062-00	24	208	•		E
TY E3820065-00	2x4.5	2x555	•		E
TY E3820051-00	2x6	2x416	•		E
TY E3820053-00	2x7.5	2x333	•		E
TY E3820055-00	2x9	2x277	•		E
TY E3820057-00	2x12	2x208	•		E
TY E3820059-00	2x15	2x166	•		E
TY E3820061-00	2x18	2x138	•		E
TY E3820063-00	2x24	2x104	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E3820164-00	4.5	1111	•		E
TY E3820150-00	6	833	•		E
TY E3820152-00	7.5	666	•		E
TY E3820154-00	9	555	•		E
TY E3820156-00	12	416	•		E
TY E3820158-00	15	333	•		E
TY E3820160-00	18	277	•		E
TY E3820162-00	24	208	•		E
TY E3820165-00	2x4.5	2x555	•		E
TY E3820151-00	2x6	2x416	•		E
TY E3820153-00	2x7.5	2x333	•		E
TY E3820155-00	2x9	2x277	•		E
TY E3820157-00	2x12	2x208	•		E
TY E3820159-00	2x15	2x166	•		E
TY E3820161-00	2x18	2x138	•		E
TY E3820163-00	2x24	2x104	•		E
SC: Inherently short Circuit proof			E: External		

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-c

PRODUCT DESIGN ON DEMAND

TIYAN

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E4215	115-230V	4.5V-2x24V	5-6VA	TA 40-70/B	38x45x32.7mm	0.2	64

- UL-5058-1-2 / file n° 518405 
-   

6VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4215014-00	4.5	1333	•		E
TY E4215000-00	6	1000	•		E
TY E4215002-00	7.5	800	•		E
TY E4215004-00	9	666	•		E
TY E4215006-00	12	500	•		E
TY E4215008-00	15	400	•		E
TY E4215010-00	18	333	•		E
TY E4215012-00	24	250	•		E
TY E4215015-00	2x4.5	2x666	•		E
TY E4215001-00	2x6	2x500	•		E
TY E4215003-00	2x7.5	2x400	•		E
TY E4215005-00	2x9	2x333	•		E
TY E4215007-00	2x12	2x250	•		E
TY E4215009-00	2x15	2x200	•		E
TY E4215011-00	2x18	2x166	•		E
TY E4215013-00	2x24	2x125	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4215114-00	4.5	1333	•		E
TY E4215100-00	6	1000	•		E
TY E4215102-00	7.5	800	•		E
TY E4215104-00	9	666	•		E
TY E4215106-00	12	500	•		E
TY E4215108-00	15	400	•		E
TY E4215110-00	18	333	•		E
TY E4215112-00	24	250	•		E
TY E4215115-00	2x4.5	2x666	•		E
TY E4215101-00	2x6	2x500	•		E
TY E4215103-00	2x7.5	2x400	•		E
TY E4215105-00	2x9	2x333	•		E
TY E4215107-00	2x12	2x250	•		E
TY E4215109-00	2x15	2x200	•		E
TY E4215111-00	2x18	2x166	•		E
TY E4215113-00	2x24	2x125	•		E

SC: Inherently short Circuit proof

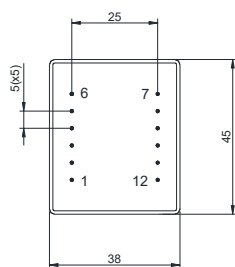
E: External

5VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4215064-00	4.5	1111	•		E
TY E4215050-00	6	833	•		E
TY E4215052-00	7.5	666	•		E
TY E4215054-00	9	555	•		E
TY E4215056-00	12	416	•		E
TY E4215058-00	15	333	•		E
TY E4215060-00	18	277	•		E
TY E4215062-00	24	208	•		E
TY E4215065-00	2x4.5	2x555	•		E
TY E4215051-00	2x6	2x416	•		E
TY E4215053-00	2x7.5	2x333	•		E
TY E4215055-00	2x9	2x277	•		E
TY E4215057-00	2x12	2x208	•		E
TY E4215059-00	2x15	2x166	•		E
TY E4215061-00	2x18	2x138	•		E
TY E4215063-00	2x24	2x104	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4215164-00	4.5	1111	•		E
TY E4215150-00	6	833	•		E
TY E4215152-00	7.5	666	•		E
TY E4215154-00	9	555	•		E
TY E4215156-00	12	416	•		E
TY E4215158-00	15	333	•		E
TY E4215160-00	18	277	•		E
TY E4215162-00	24	208	•		E
TY E4215165-00	2x4.5	2x555	•		E
TY E4215151-00	2x6	2x416	•		E
TY E4215153-00	2x7.5	2x333	•		E
TY E4215155-00	2x9	2x277	•		E
TY E4215157-00	2x12	2x208	•		E
TY E4215159-00	2x15	2x166	•		E
TY E4215161-00	2x18	2x138	•		E
TY E4215163-00	2x24	2x104	•		E

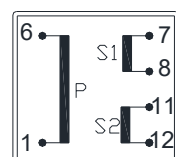
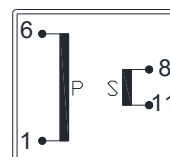
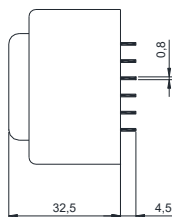
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C



PRODUCT DESIGN ON DEMAND

TIYAN

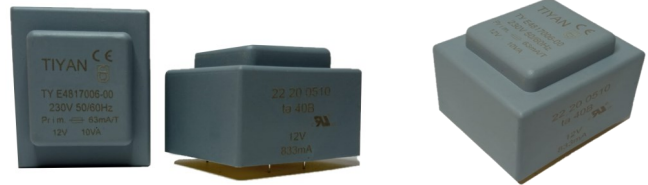
ENCAPSULATED TRANSFORMERS

TY E48 SERIES

TY SERIES							
TY E4817	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.3	36
TY E4817B	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.31	36
TY E4821	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.33	36
TY E4821B	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.34	36

• UL-5058-1-2 / file n° 518405 

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10VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817014-00	4.5	2222	•		E
TY E4817000-00	6	1666	•		E
TY E4817002-00	7.5	1333	•		E
TY E4817004-00	9	1111	•		E
TY E4817006-00	12	833	•		E
TY E4817008-00	15	666	•		E
TY E4817010-00	18	555	•		E
TY E4817012-00	24	416	•		E
TY E4817015-00	2x4.5	2x1111	•		E
TY E4817001-00	2x6	2x833	•		E
TY E4817003-00	2x7.5	2x666	•		E
TY E4817005-00	2x9	2x555	•		E
TY E4817007-00	2x12	2x416	•		E
TY E4817009-00	2x15	2x333	•		E
TY E4817011-00	2x18	2x277	•		E
TY E4817013-00	2x24	2x208	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817114-00	4.5	2222	•		E
TY E4817100-00	6	1666	•		E
TY E4817102-00	7.5	1333	•		E
TY E4817104-00	9	1111	•		E
TY E4817106-00	12	833	•		E
TY E4817108-00	15	666	•		E
TY E4817110-00	18	555	•		E
TY E4817112-00	24	416	•		E
TY E4817115-00	2x4.5	2x1111	•		E
TY E4817101-00	2x6	2x833	•		E
TY E4817103-00	2x7.5	2x666	•		E
TY E4817105-00	2x9	2x555	•		E
TY E4817107-00	2x12	2x416	•		E
TY E4817109-00	2x15	2x333	•		E
TY E4817111-00	2x18	2x277	•		E
TY E4817113-00	2x24	2x208	•		E

SC: Inherently short Circuit proof

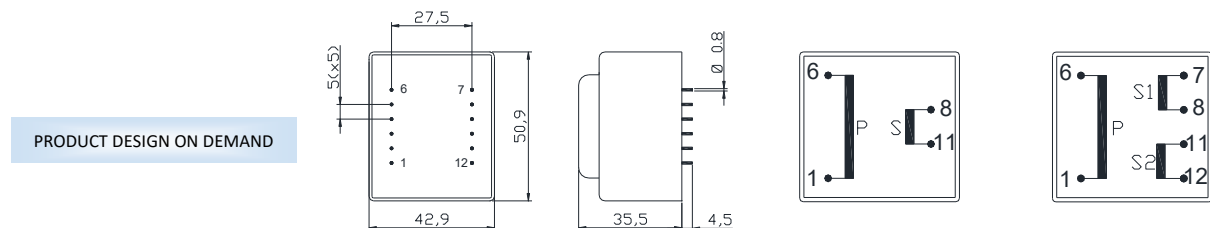
E: External

8VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817064-00	4.5	1777	•		E
TY E4817050-00	6	1333	•		E
TY E4817052-00	7.5	1066	•		E
TY E4817054-00	9	888	•		E
TY E4817056-00	12	666	•		E
TY E4817058-00	15	533	•		E
TY E4817060-00	18	444	•		E
TY E4817062-00	24	333	•		E
TY E4817065-00	2x4.5	2x888	•		E
TY E4817051-00	2x6	2x666	•		E
TY E4817053-00	2x7.5	2x533	•		E
TY E4817055-00	2x9	2x444	•		E
TY E4817057-00	2x12	2x333	•		E
TY E4817059-00	2x15	2x266	•		E
TY E4817061-00	2x18	2x222	•		E
TY E4817063-00	2x24	2x166	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817164-00	4.5	1777	•		E
TY E4817150-00	6	1333	•		E
TY E4817152-00	7.5	1066	•		E
TY E4817154-00	9	888	•		E
TY E4817156-00	12	666	•		E
TY E4817158-00	15	533	•		E
TY E4817160-00	18	444	•		E
TY E4817162-00	24	333	•		E
TY E4817165-00	2x4.5	2x888	•		E
TY E4817151-00	2x6	2x666	•		E
TY E4817153-00	2x7.5	2x533	•		E
TY E4817155-00	2x9	2x444	•		E
TY E4817157-00	2x12	2x333	•		E
TY E4817159-00	2x15	2x266	•		E
TY E4817161-00	2x18	2x222	•		E
TY E4817163-00	2x24	2x166	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



PRODUCT DESIGN ON DEMAND

Units: mm, General tolerances ISO 2768-C

TIYAN

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E4817	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.3	36
TY E4817B	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.31	36
TY E4821	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.33	36
TY E4821B	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.34	36

• UL-5058-1-2 / file n° 518405 

•   

10VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817514-00	4.5	2222	•		E
TY E4817500-00	6	1666	•		E
TY E4817502-00	7.5	1333	•		E
TY E4817504-00	9	1111	•		E
TY E4817506-00	12	833	•		E
TY E4817508-00	15	666	•		E
TY E4817510-00	18	555	•		E
TY E4817512-00	24	416	•		E
TY E4817515-00	2x4.5	2x1111	•		E
TY E4817501-00	2x6	2x833	•		E
TY E4817503-00	2x7.5	2x666	•		E
TY E4817505-00	2x9	2x555	•		E
TY E4817507-00	2x12	2x416	•		E
TY E4817509-00	2x15	2x333	•		E
TY E4817511-00	2x18	2x277	•		E
TY E4817513-00	2x24	2x208	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817604-00	4.5	2222	•		E
TY E4817600-00	6	1666	•		E
TY E4817602-00	7.5	1333	•		E
TY E4817604-00	9	1111	•		E
TY E4817606-00	12	833	•		E
TY E4817608-00	15	666	•		E
TY E4817610-00	18	555	•		E
TY E4817612-00	24	416	•		E
TY E4817615-00	2x4.5	2x1111	•		E
TY E4817601-00	2x6	2x833	•		E
TY E4817603-00	2x7.5	2x666	•		E
TY E4817605-00	2x9	2x555	•		E
TY E4817607-00	2x12	2x416	•		E
TY E4817609-00	2x15	2x333	•		E
TY E4817611-00	2x18	2x277	•		E
TY E4817613-00	2x24	2x208	•		E

SC: Inherently short Circuit proof

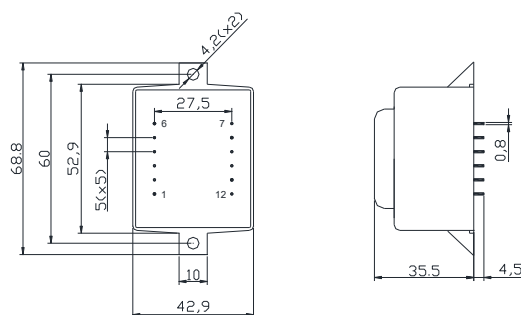
E: External

8VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY 4817564-00	4.5	1777	•		E
TY E4817550-00	6	1333	•		E
TY E4817552-00	7.5	1066	•		E
TY E4817554-00	9	888	•		E
TY E4817556-00	12	666	•		E
TY E4817558-00	15	533	•		E
TY E4817560-00	18	444	•		E
TY E4817562-00	24	333	•		E
TY E4817565-00	2x4.5	2x888	•		E
TY E4817551-00	2x6	2x666	•		E
TY E4817553-00	2x7.5	2x533	•		E
TY E4817555-00	2x9	2x444	•		E
TY E4817557-00	2x12	2x333	•		E
TY E4817559-00	2x15	2x266	•		E
TY E4817561-00	2x18	2x222	•		E
TY E4817563-00	2x24	2x166	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4817664-00	4.5	1777	•		E
TY E4817650-00	6	1333	•		E
TY E4817652-00	7.5	1066	•		E
TY E4817654-00	9	888	•		E
TY E4817656-00	12	666	•		E
TY E4817658-00	15	533	•		E
TY E4817660-00	18	444	•		E
TY E4817662-00	24	333	•		E
TY E4817665-00	2x4.5	2x888	•		E
TY E4817651-00	2x6	2x666	•		E
TY E4817653-00	2x7.5	2x533	•		E
TY E4817655-00	2x9	2x444	•		E
TY E4817657-00	2x12	2x333	•		E
TY E4817659-00	2x15	2x266	•		E
TY E4817661-00	2x18	2x222	•		E
TY E4817663-00	2x24	2x166	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C

PRODUCT DESIGN ON DEMAND



TY SERIES							
TY E4817	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.3	36
TY E4817B	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.31	36
TY E4821	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.33	36
TY E4821B	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.34	36

• UL-5058-1-2 / file n° 518405 

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12VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821014-00	4.5	2666	•		E
TY E4821000-00	6	2000	•		E
TY E4821002-00	7.5	1600	•		E
TY E4821004-00	9	1333	•		E
TY E4821006-00	12	1000	•		E
TY E4821008-00	15	800	•		E
TY E4821010-00	18	666	•		E
TY E4821012-00	24	500	•		E
TY E4821015-00	2x4.5	2x1333	•		E
TY E4821001-00	2x6	2x1000	•		E
TY E4821003-00	2x7.5	2x800	•		E
TY E4821005-00	2x9	2x666	•		E
TY E4821007-00	2x12	2x500	•		E
TY E4821009-00	2x15	2x400	•		E
TY E4821011-00	2x18	2x333	•		E
TY E4821013-00	2x24	2x250	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821114-00	4.5	2666	•		E
TY E4821100-00	6	2000	•		E
TY E4821102-00	7.5	1600	•		E
TY E4821104-00	9	1333	•		E
TY E4821106-00	12	1000	•		E
TY E4821108-00	15	800	•		E
TY E4821110-00	18	666	•		E
TY E4821112-00	24	500	•		E
TY E4821115-00	2x4.5	2x1333	•		E
TY E4821101-00	2x6	2x1000	•		E
TY E4821103-00	2x7.5	2x800	•		E
TY E4821105-00	2x9	2x666	•		E
TY E4821107-00	2x12	2x500	•		E
TY E4821109-00	2x15	2x400	•		E
TY E4821111-00	2x18	2x333	•		E
TY E4821113-00	2x24	2x250	•		E

SC: Inherently short Circuit proof

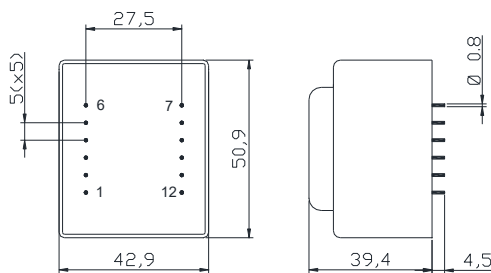
E: External

10VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821064-00	4.5	2222	•		E
TY E4821050-00	6	1666	•		E
TY E4821052-00	7.5	1333	•		E
TY E4821054-00	9	1111	•		E
TY E4821056-00	12	833	•		E
TY E4821058-00	15	666	•		E
TY E4821060-00	18	555	•		E
TY E4821062-00	24	416	•		E
TY E4821065-00	2x4.5	2x1111	•		E
TY E4821051-00	2x6	2x833	•		E
TY E4821053-00	2x7.5	2x666	•		E
TY E4821055-00	2x9	2x555	•		E
TY E4821057-00	2x12	2x416	•		E
TY E4821059-00	2x15	2x333	•		E
TY E4821061-00	2x18	2x277	•		E
TY E4821063-00	2x24	2x208	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821164-00	4.5	2222	•		E
TY E4821150-00	6	1666	•		E
TY E4821152-00	7.5	1333	•		E
TY E4821154-00	9	1111	•		E
TY E4821156-00	12	833	•		E
TY E4821158-00	15	666	•		E
TY E4821160-00	18	555	•		E
TY E4821162-00	24	416	•		E
TY E4821165-00	2x4.5	2x1111	•		E
TY E4821151-00	2x6	2x833	•		E
TY E4821153-00	2x7.5	2x666	•		E
TY E4821155-00	2x9	2x555	•		E
TY E4821157-00	2x12	2x416	•		E
TY E4821159-00	2x15	2x333	•		E
TY E4821161-00	2x18	2x277	•		E
TY E4821163-00	2x24	2x208	•		E

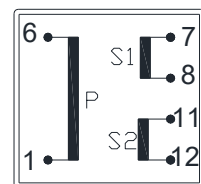
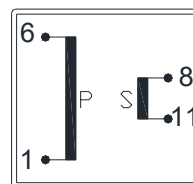
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C



PRODUCT DESIGN ON DEMAND

TIYAN

TY SERIES							
TY E4817	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.3	36
TY E4817B	115-230V	4.5V-2x24V	8-10VA	TA 40-70/B	42.9x50.9x35.5 mm	0.31	36
TY E4821	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.33	36
TY E4821B	115-230V	4.5V-2x24V	10-12VA	TA 40-70/B	42.9x50.9x39.4 mm	0.34	36

• UL-5058-1-2 / file n° 518405 

•   

12VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821514-00	4.5	2666	•		E
TY E4821500-00	6	2000	•		E
TY E4821502-00	7.5	1600	•		E
TY E4821504-00	9	1333	•		E
TY E4821506-00	12	1000	•		E
TY E4821508-00	15	800	•		E
TY E4821510-00	18	666	•		E
TY E4821512-00	24	500	•		E
TY E4821515-00	2x4.5	2x1333	•		E
TY E4821501-00	2x6	2x1000	•		E
TY E4821503-00	2x7.5	2x800	•		E
TY E4821505-00	2x9	2x666	•		E
TY E4821507-00	2x12	2x500	•		E
TY E4821509-00	2x15	2x400	•		E
TY E4821511-00	2x18	2x333	•		E
TY E4821513-00	2x24	2x250	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821614-00	4.5	2666	•		E
TY E4821600-00	6	2000	•		E
TY E4821602-00	7.5	1600	•		E
TY E4821604-00	9	1333	•		E
TY E4821606-00	12	1000	•		E
TY E4821608-00	15	800	•		E
TY E4821610-00	18	666	•		E
TY E4821612-00	24	500	•		E
TY E4821615-00	2x4.5	2x1333	•		E
TY E4821601-00	2x6	2x1000	•		E
TY E4821603-00	2x7.5	2x800	•		E
TY E4821605-00	2x9	2x666	•		E
TY E4821607-00	2x12	2x500	•		E
TY E4821609-00	2x15	2x400	•		E
TY E4821611-00	2x18	2x333	•		E
TY E4821613-00	2x24	2x250	•		E

SC: Inherently short Circuit proof

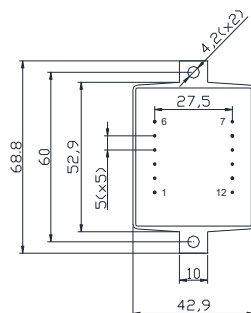
E: External

10VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821564-00	4.5	2222	•		E
TY E4821550-00	6	1666	•		E
TY E4821552-00	7.5	1333	•		E
TY E4821554-00	9	1111	•		E
TY E4821556-00	12	833	•		E
TY E4821558-00	15	666	•		E
TY E4821560-00	18	555	•		E
TY E4821562-00	24	416	•		E
TY E4821565-00	2x4.5	2x1111	•		E
TY E4821551-00	2x6	2x833	•		E
TY E4821553-00	2x7.5	2x666	•		E
TY E4821555-00	2x9	2x555	•		E
TY E4821557-00	2x12	2x416	•		E
TY E4821559-00	2x15	2x333	•		E
TY E4821561-00	2x18	2x277	•		E
TY E4821563-00	2x24	2x208	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E4821664-00	4.5	2222	•		E
TY E4821650-00	6	1666	•		E
TY E4821652-00	7.5	1333	•		E
TY E4821654-00	9	1111	•		E
TY E4821656-00	12	833	•		E
TY E4821658-00	15	666	•		E
TY E4821660-00	18	555	•		E
TY E4821662-00	24	416	•		E
TY E4821665-00	2x4.5	2x1111	•		E
TY E482651-00	2x6	2x833	•		E
TY E4821653-00	2x7.5	2x666	•		E
TY E4821655-00	2x9	2x555	•		E
TY E4821657-00	2x12	2x416	•		E
TY E4821659-00	2x15	2x333	•		E
TY E4821661-00	2x18	2x277	•		E
TY E4821663-00	2x24	2x208	•		E

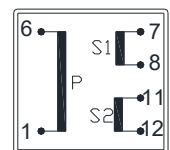
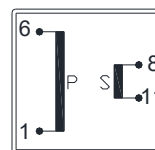
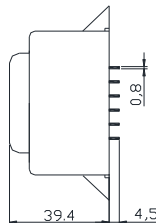
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C



PRODUCT DESIGN ON DEMAND

TIYAN

TY SERIES							
TY E5419	115-230V	4.5V-2x24V	13-16VA	TA 40-70/B	47.5x56.5x39 mm	0.42	27
TY E5419B	115-230V	4.5V-2x24V	13-16VA	TA 40-70/B	47.5x56.5x39 mm	0.43	27

- UL-5058-1-2 / file n° 518405 
-   



16VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419014-00	4.5	3555	•		E
TY E5419000-00	6	2666	•		E
TY E5419002-00	7.5	2133	•		E
TY E5419004-00	9	1777	•		E
TY E5419006-00	12	1333	•		E
TY E5419008-00	15	1066	•		E
TY E5419010-00	18	888	•		E
TY E5419012-00	24	666	•		E
TY E5419015-00	2x4.5	2x1777	•		E
TY E5419001-00	2x6	2x1333	•		E
TY E5419003-00	2x7.5	2x1066	•		E
TY E5419005-00	2x9	2x888	•		E
TY E5419007-00	2x12	2x666	•		E
TY E5419009-00	2x15	2x516	•		E
TY E5419011-00	2x18	2x444	•		E
TY E5419013-00	2x24	2x333	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419114-00	4.5	3555	•		E
TY E5419100-00	6	2666	•		E
TY E5419102-00	7.5	2133	•		E
TY E5419104-00	9	1777	•		E
TY E5419106-00	12	1333	•		E
TY E5419108-00	15	1066	•		E
TY E5419110-00	18	888	•		E
TY E5419112-00	24	666	•		E
TY E5419115-00	2x4.5	2x1777	•		E
TY E5419101-00	2x6	2x1333	•		E
TY E5419103-00	2x7.5	2x1066	•		E
TY E5419105-00	2x9	2x888	•		E
TY E5419107-00	2x12	2x666	•		E
TY E5419109-00	2x15	2x516	•		E
TY E5419111-00	2x18	2x444	•		E
TY E5419113-00	2x24	2x333	•		E

SC: Inherently short Circuit proof

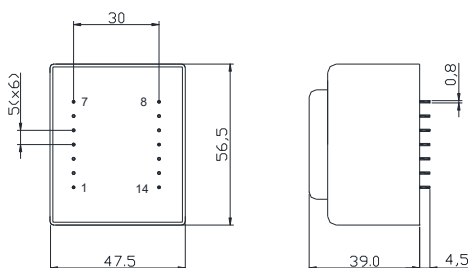
E: External

13VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419064-00	4.5	2888	•		E
TY E5419050-00	6	2166	•		E
TY E5419052-00	7.5	1733	•		E
TY E5419054-00	9	1444	•		E
TY E5419056-00	12	1083	•		E
TY E5419058-00	15	866	•		E
TY E5419060-00	18	722	•		E
TY E5419062-00	24	541	•		E
TY E5419065-00	2x4.5	2x1444	•		E
TY E5419051-00	2x6	2x1083	•		E
TY E5419053-00	2x7.5	2x866	•		E
TY E5419055-00	2x9	2x722	•		E
TY E5419057-00	2x12	2x541	•		E
TY E5419059-00	2x15	2x433	•		E
TY E5419061-00	2x18	2x361	•		E
TY E5419063-00	2x24	2x270	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419164-00	4.5	2888	•		E
TY E5419150-00	6	2166	•		E
TY E5419152-00	7.5	1733	•		E
TY E5419154-00	9	1444	•		E
TY E5419156-00	12	1083	•		E
TY E5419158-00	15	866	•		E
TY E5419160-00	18	722	•		E
TY E5419162-00	24	541	•		E
TY E5419165-00	2x4.5	2x1444	•		E
TY E5419151-00	2x6	2x1083	•		E
TY E5419153-00	2x7.5	2x866	•		E
TY E5419155-00	2x9	2x722	•		E
TY E5419157-00	2x12	2x541	•		E
TY E5419159-00	2x15	2x433	•		E
TY E5419161-00	2x18	2x361	•		E
TY E5419163-00	2x24	2x270	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C

PRODUCT DESIGN ON DEMAND

TIYAN

TY SERIES							
TY E5419	115-230V	4.5V-2x24V	13-16VA	TA 40-70/B	47.5x56.5x39 mm	0.42	27
TY E5419B	115-230V	4.5V-2x24V	13-16VA	TA 40-70/B	47.5x56.5x39 mm	0.43	27

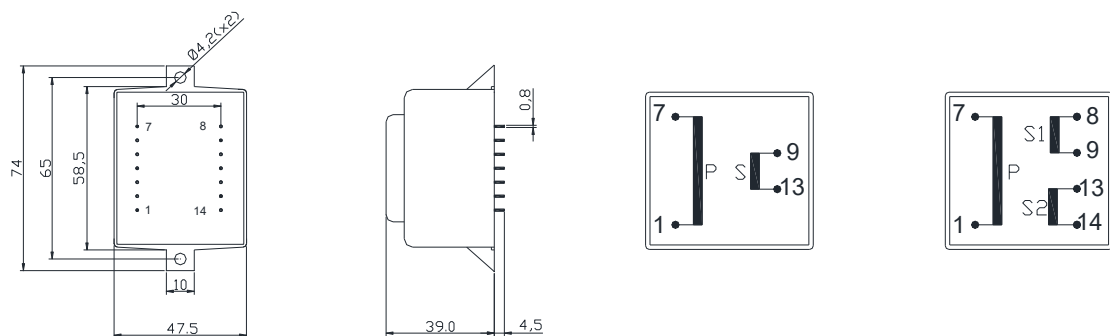
• UL-5058-1-2 / file n° 518405 

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16VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419514-00	4.5	3555	•		E
TY E5419500-00	6	2666	•		E
TY E5419502-00	7.5	2133	•		E
TY E5419504-00	9	1777	•		E
TY E5419506-00	12	1333	•		E
TY E5419508-00	15	1066	•		E
TY E5419510-00	18	888	•		E
TY E5419512-00	24	666	•		E
TY E5419515-00	2x4.5	2x1777	•		E
TY E5419501-00	2x6	2x1333	•		E
TY E5419503-00	2x7.5	2x1066	•		E
TY E5419505-00	2x9	2x888	•		E
TY E5419507-00	2x12	2x666	•		E
TY E5419509-00	2x15	2x516	•		E
TY E5419511-00	2x18	2x444	•		E
TY E5419513-00	2x24	2x333	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419614-00	4.5	3555	•		E
TY E5419600-00	6	2666	•		E
TY E5419602-00	7.5	2133	•		E
TY E5419604-00	9	1777	•		E
TY E5419606-00	12	1333	•		E
TY E5419608-00	15	1066	•		E
TY E5419610-00	18	888	•		E
TY E5419612-00	24	666	•		E
TY E5419615-00	2x4.5	2x1777	•		E
TY E5419601-00	2x6	2x1333	•		E
TY E5419603-00	2x7.5	2x1066	•		E
TY E5419605-00	2x9	2x888	•		E
TY E5419607-00	2x12	2x666	•		E
TY E5419609-00	2x15	2x516	•		E
TY E5419611-00	2x18	2x444	•		E
TY E5419613-00	2x24	2x333	•		E
SC: Inherently short Circuit proof			E: External		

13VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419664-00	4.5	2888	•		E
TY E5419650-00	6	2166	•		E
TY E5419652-00	7.5	1733	•		E
TY E5419654-00	9	1444	•		E
TY E5419656-00	12	1083	•		E
TY E5419658-00	15	866	•		E
TY E5419660-00	18	722	•		E
TY E5419662-00	24	541	•		E
TY E5419665-00	2x4.5	2x1444	•		E
TY E5419651-00	2x6	2x1083	•		E
TY E5419653-00	2x7.5	2x866	•		E
TY E5419655-00	2x9	2x722	•		E
TY E5419657-00	2x12	2x541	•		E
TY E5419659-00	2x15	2x433	•		E
TY E5419661-00	2x18	2x361	•		E
TY E5419663-00	2x24	2x270	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E5419664-00	4.5	2888	•		E
TY E5419650-00	6	2166	•		E
TY E5419652-00	7.5	1733	•		E
TY E5419654-00	9	1444	•		E
TY E5419656-00	12	1083	•		E
TY E5419658-00	15	866	•		E
TY E5419660-00	18	722	•		E
TY E5419662-00	24	541	•		E
TY E5419665-00	2x4.5	2x1444	•		E
TY E5419651-00	2x6	2x1083	•		E
TY E5419653-00	2x7.5	2x866	•		E
TY E5419655-00	2x9	2x722	•		E
TY E5419657-00	2x12	2x541	•		E
TY E5419659-00	2x15	2x433	•		E
TY E5419661-00	2x18	2x361	•		E
TY E5419663-00	2x24	2x270	•		E
SC: Inherently short Circuit proof			E: External		

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C

PRODUCT DESIGN ON DEMAND

TIYAN

Via Caduti sul Lavoro 6, 34015 MUGGIA (TS) ITALIA, TEL.040-232434, SDI: X2PH38J, <https://www.tiyan.it>

TY SERIES							
TY E6021	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.56	27
TY E6021B	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.57	27
TY E6026	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.70	27
TY E6026B	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.71	27
TY E6031	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.80	18
TY E6031B	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.81	18

- UL-5058-1-2 / file n° 518405 
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25VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021014-00	4.5	5555	•		E
TY E6021000-00	6	4166	•		E
TY E6021002-00	7.5	3333	•		E
TY E6021004-00	9	2777	•		E
TY E6021006-00	12	2083	•		E
TY E6021008-00	15	1666	•		E
TY E6021010-00	18	1388	•		E
TY E6021012-00	24	1041	•		E
TY E6021015-00	2x4.5	2x2777	•		E
TY E6021001-00	2x6	2x2083	•		E
TY E6021003-00	2x7.5	2x1666	•		E
TY E6021005-00	2x9	2x1388	•		E
TY E6021007-00	2x12	2x1041	•		E
TY E6021009-00	2x15	2x833	•		E
TY E6021011-00	2x18	2x694	•		E
TY E6021013-00	2x24	2x520	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021114-00	4.5	5555	•		E
TY E6021100-00	6	4166	•		E
TY E6021102-00	7.5	3333	•		E
TY E6021104-00	9	2777	•		E
TY E6021106-00	12	2083	•		E
TY E6021108-00	15	1666	•		E
TY E6021110-00	18	1388	•		E
TY E6021112-00	24	1041	•		E
TY E6021115-00	2x4.5	2x2777	•		E
TY E6021101-00	2x6	2x2083	•		E
TY E6021103-00	2x7.5	2x1666	•		E
TY E6021105-00	2x9	2x1388	•		E
TY E6021107-00	2x12	2x1041	•		E
TY E6021109-00	2x15	2x833	•		E
TY E6021111-00	2x18	2x694	•		E
TY E6021113-00	2x24	2x520	•		E

SC: Inherently short Circuit proof

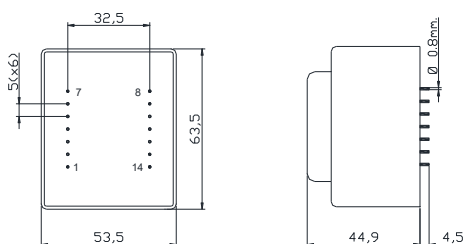
E: External

20VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021064-00	4.5	4444	•		E
TY E6021050-00	6	3333	•		E
TY E6021052-00	7.5	2666	•		E
TY E6021054-00	9	2222	•		E
TY E6021056-00	12	1666	•		E
TY E6021058-00	15	1333	•		E
TY E6021060-00	18	1111	•		E
TY E6021062-00	24	833	•		E
TY E6021065-00	2x4.5	2x2222	•		E
TY E6021051-00	2x6	2x1666	•		E
TY E6021053-00	2x7.5	2x1333	•		E
TY E6021055-00	2x9	2x1111	•		E
TY E6021057-00	2x12	2x833	•		E
TY E6021059-00	2x15	2x666	•		E
TY E6021061-00	2x18	2x555	•		E
TY E6021063-00	2x24	2x416	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021164-00	4.5	4444	•		E
TY E6021150-00	6	3333	•		E
TY E6021152-00	7.5	2666	•		E
TY E6021154-00	9	2222	•		E
TY E6021156-00	12	1666	•		E
TY E6021158-00	15	1333	•		E
TY E6021160-00	18	1111	•		E
TY E6021162-00	24	833	•		E
TY E6021165-00	2x4.5	2x2222	•		E
TY E6021151-00	2x6	2x1666	•		E
TY E6021153-00	2x7.5	2x1333	•		E
TY E6021155-00	2x9	2x1111	•		E
TY E6021157-00	2x12	2x833	•		E
TY E6021159-00	2x15	2x666	•		E
TY E6021161-00	2x18	2x555	•		E
TY E6021163-00	2x24	2x416	•		E

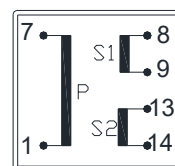
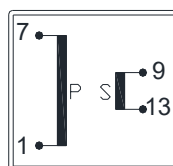
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C



PRODUCT DESIGN ON DEMAND



TY SERIES							
TY E6021	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.56	27
TY E6021B	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.57	27
TY E6026	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.70	27
TY E6026B	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.71	27
TY E6031	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.80	18
TY E6031B	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.81	18

- UL-5058-1-2 / file n° 518405



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25VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021514-00	4.5	5555	•		E
TY E6021500-00	6	4166	•		E
TY E6021502-00	7.5	3333	•		E
TY E6021504-00	9	2777	•		E
TY E6021506-00	12	2083	•		E
TY E6021508-00	15	1666	•		E
TY E6021510-00	18	1388	•		E
TY E6021512-00	24	1041	•		E
TY E6021515-00	2x4.5	2x2777	•		E
TY E6021501-00	2x6	2x2083	•		E
TY E6021503-00	2x7.5	2x1666	•		E
TY E6021505-00	2x9	2x1388	•		E
TY E6021507-00	2x12	2x1041	•		E
TY E6021509-00	2x15	2x833	•		E
TY E6021511-00	2x18	2x694	•		E
TY E6021513-00	2x24	2x520	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021614-00	4.5	5555	•		E
TY E6021600-00	6	4166	•		E
TY E6021602-00	7.5	3333	•		E
TY E6021604-00	9	2777	•		E
TY E6021606-00	12	2083	•		E
TY E6021608-00	15	1666	•		E
TY E6021610-00	18	1388	•		E
TY E6021612-00	24	1041	•		E
TY E6021615-00	2x4.5	2x2777	•		E
TY E6021601-00	2x6	2x2083	•		E
TY E6021603-00	2x7.5	2x1666	•		E
TY E6021605-00	2x9	2x1388	•		E
TY E6021607-00	2x12	2x1041	•		E
TY E6021609-00	2x15	2x833	•		E
TY E6021611-00	2x18	2x694	•		E
TY E6021613-00	2x24	2x520	•		E

SC: Inherently short Circuit proof

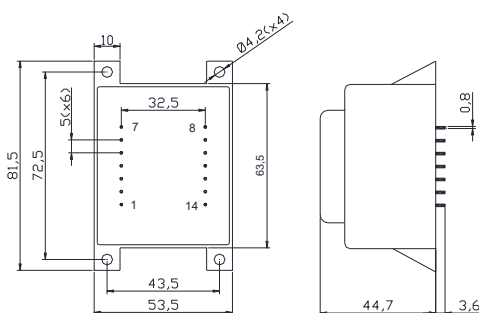
E: External

20VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021564-00	4.5	4444	•		E
TY E6021550-00	6	3333	•		E
TY E6021552-00	7.5	2666	•		E
TY E6021554-00	9	2222	•		E
TY E6021556-00	12	1666	•		E
TY E6021558-00	15	1333	•		E
TY E6021560-00	18	1111	•		E
TY E6021562-00	24	833	•		E
TY E6021565-00	2x4.5	2x2222	•		E
TY E6021551-00	2x6	2x1666	•		E
TY E6021553-00	2x7.5	2x1333	•		E
TY E6021555-00	2x9	2x1111	•		E
TY E6021557-00	2x12	2x833	•		E
TY E6021559-00	2x15	2x666	•		E
TY E6021561-00	2x18	2x555	•		E
TY E6021563-00	2x24	2x416	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6021664-00	4.5	4444	•		E
TY E6021650-00	6	3333	•		E
TY E6021652-00	7.5	2666	•		E
TY E6021654-00	9	2222	•		E
TY E6021656-00	12	1666	•		E
TY E6021658-00	15	1333	•		E
TY E6021660-00	18	1111	•		E
TY E6021662-00	24	833	•		E
TY E6021665-00	2x4.5	2x2222	•		E
TY E6021651-00	2x6	2x1666	•		E
TY E6021653-00	2x7.5	2x1333	•		E
TY E6021655-00	2x9	2x1111	•		E
TY E6021657-00	2x12	2x833	•		E
TY E6021659-00	2x15	2x666	•		E
TY E6021661-00	2x18	2x555	•		E
TY E6021663-00	2x24	2x416	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C

PRODUCT DESIGN ON DEMAND

TY SERIES							
TY E6021	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.56	27
TY E6021B	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.57	27
TY E6026	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.70	27
TY E6026B	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.71	27
TY E6031	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.80	18
TY E6031B	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.81	18

- UL-5058-1-2 / file n° 518405



30VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026014-00	4.5	6666	•		E
TY E6026000-00	6	5000	•		E
TY E6026002-00	7.5	4000	•		E
TY E6026004-00	9	3333	•		E
TY E6026006-00	12	2500	•		E
TY E6026008-00	15	2000	•		E
TY E6026010-00	18	1666	•		E
TY E6026012-00	24	1250	•		E
TY E6026015-00	2x4.5	2x3333	•		E
TY E6026001-00	2x6	2x2250	•		E
TY E6026003-00	2x7.5	2x2000	•		E
TY E6026005-00	2x9	2x1666	•		E
TY E6026007-00	2x12	2x1250	•		E
TY E6026009-00	2x15	2x1000	•		E
TY E6026011-00	2x18	2x833	•		E
TY E6026013-00	2x24	2x625	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026114-00	4.5	6666	•		E
TY E6026100-00	6	5000	•		E
TY E6026102-00	7.5	4000	•		E
TY E6026104-00	9	3333	•		E
TY E6026106-00	12	2500	•		E
TY E6026108-00	15	2000	•		E
TY E6026110-00	18	1666	•		E
TY E6026112-00	24	1250	•		E
TY E6026115-00	2x4.5	2x3333	•		E
TY E6026101-00	2x6	2x2250	•		E
TY E6026103-00	2x7.5	2x2000	•		E
TY E6026105-00	2x9	2x1666	•		E
TY E6026107-00	2x12	2x1250	•		E
TY E6026109-00	2x15	2x1000	•		E
TY E6026111-00	2x18	2x833	•		E
TY E6026113-00	2x24	2x625	•		E

SC: Inherently short Circuit proof

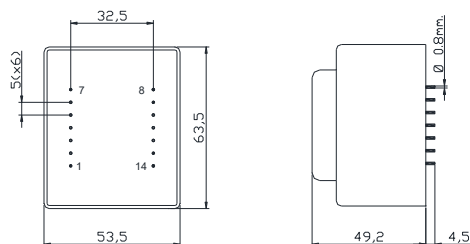
E: External

24VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026064-00	4.5	5333	•		E
TY E6026050-00	6	4000	•		E
TY E6026052-00	7.5	3200	•		E
TY E6026054-00	9	2666	•		E
TY E6026056-00	12	2000	•		E
TY E6026058-00	15	1600	•		E
TY E6026060-00	18	1333	•		E
TY E6026062-00	24	1000	•		E
TY E6026065-00	2x4.5	2x2666	•		E
TY E6026051-00	2x6	2x2000	•		E
TY E6026053-00	2x7.5	2x1600	•		E
TY E6026055-00	2x9	2x1333	•		E
TY E6026057-00	2x12	2x1000	•		E
TY E6026059-00	2x15	2x800	•		E
TY E6026061-00	2x18	2x666	•		E
TY E6026063-00	2x24	2x500	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026164-00	4.5	2888	•		E
TY E6026150-00	6	2166	•		E
TY E6026152-00	7.5	1733	•		E
TY E6026154-00	9	1444	•		E
TY E6026156-00	12	1083	•		E
TY E6026158-00	15	866	•		E
TY E6026160-00	18	722	•		E
TY E6026162-00	24	541	•		E
TY E6026165-00	2x4.5	2x1444	•		E
TY E6026151-00	2x6	2x1083	•		E
TY E6026153-00	2x7.5	2x866	•		E
TY E6026155-00	2x9	2x722	•		E
TY E6026157-00	2x12	2x541	•		E
TY E6026159-00	2x15	2x433	•		E
TY E6026161-00	2x18	2x361	•		E
TY E6026163-00	2x24	2x270	•		E

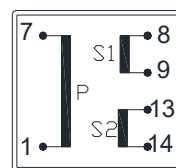
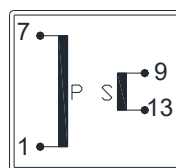
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C



PRODUCT DESIGN ON DEMAND



TY SERIES							
TY E6021	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.56	27
TY E6021B	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.57	27
TY E6026	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.70	27
TY E6026B	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.71	27
TY E6031	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.80	18
TY E6031B	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.81	18

- UL-5058-1-2 / file n° 518405



-   

30VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026514-00	4.5	6666	•		E
TY E6026500-00	6	5000	•		E
TY E6026502-00	7.5	4000	•		E
TY E6026504-00	9	3333	•		E
TY E6026506-00	12	2500	•		E
TY E6026508-00	15	2000	•		E
TY E6026510-00	18	1666	•		E
TY E6026512-00	24	1250	•		E
TY E6026515-00	2x4.5	2x3333	•		E
TY E6026501-00	2x6	2x2250	•		E
TY E6026503-00	2x7.5	2x2000	•		E
TY E6026505-00	2x9	2x1666	•		E
TY E602607-00	2x12	2x1250	•		E
TY E6026509-00	2x15	2x1000	•		E
TY E6026511-00	2x18	2x833	•		E
TY E6026513-00	2x24	2x625	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026614-00	4.5	6666	•		E
TY E6026600-00	6	5000	•		E
TY E6026602-00	7.5	4000	•		E
TY E6026604-00	9	3333	•		E
TY E6026606-00	12	2500	•		E
TY E6026608-00	15	2000	•		E
TY E6026610-00	18	1666	•		E
TY E6026612-00	24	1250	•		E
TY E6026615-00	2x4.5	2x3333	•		E
TY E6026601-00	2x6	2x2250	•		E
TY E6026603-00	2x7.5	2x2000	•		E
TY E6026605-00	2x9	2x1666	•		E
TY E6026607-00	2x12	2x1250	•		E
TY E6026609-00	2x15	2x1000	•		E
TY E6026611-00	2x18	2x833	•		E
TY E6026613-00	2x24	2x625	•		E

SC: Inherently short Circuit proof

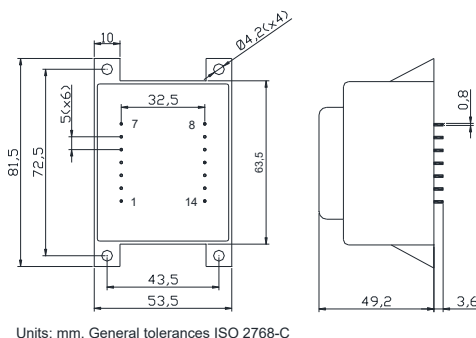
E: External

24VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026564-00	4.5	5333	•		E
TY E6026550-00	6	4000	•		E
TY E6026552-00	7.5	3200	•		E
TY E6026554-00	9	2666	•		E
TY E6026556-00	12	2000	•		E
TY E6026558-00	15	1600	•		E
TY E6026560-00	18	1333	•		E
TY E6026562-00	24	1000	•		E
TY E6026565-00	2x4.5	2x2666	•		E
TY E6026551-00	2x6	2x2000	•		E
TY E6026553-00	2x7.5	2x1600	•		E
TY E6026555-00	2x9	2x1333	•		E
TY E6026557-00	2x12	2x1000	•		E
TY E6026559-00	2x15	2x800	•		E
TY E6026561-00	2x18	2x666	•		E
TY E6026563-00	2x24	2x500	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6026664-00	4.5	5333	•		E
TY E6026650-00	6	4000	•		E
TY E6026652-00	7.5	3200	•		E
TY E6026654-00	9	2666	•		E
TY E6026656-00	12	2000	•		E
TY E6026658-00	15	1600	•		E
TY E6026660-00	18	1333	•		E
TY E6026662-00	24	1000	•		E
TY E6026665-00	2x4.5	2x2666	•		E
TY E6026651-00	2x6	2x2000	•		E
TY E6026653-00	2x7.5	2x1600	•		E
TY E6026655-00	2x9	2x1333	•		E
TY E6026657-00	2x12	2x1000	•		E
TY E6026659-00	2x15	2x800	•		E
TY E6026661-00	2x18	2x666	•		E
TY E6026663-00	2x24	2x500	•		E

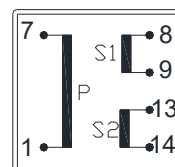
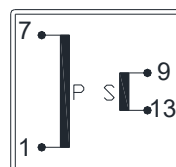
SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C



TY SERIES							
TY E6021	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.56	27
TY E6021B	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.57	27
TY E6026	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.70	27
TY E6026B	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.71	27
TY E6031	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.80	18
TY E6031B	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.81	18

- UL-5058-1-2 / file n° 518405



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35VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031014-00	4.5	7777	•		E
TY E6031000-00	6	5833	•		E
TY E6031002-00	7.5	4666	•		E
TY E6031004-00	9	3888	•		E
TY E6031006-00	12	2916	•		E
TY E6031008-00	15	2333	•		E
TY E6031010-00	18	1944	•		E
TY E6031012-00	24	1458	•		E
TY E6031015-00	2x4.5	2x3888	•		E
TY E6031001-00	2x6	2x2916	•		E
TY E6031003-00	2x7.5	2x2333	•		E
TY E6031005-00	2x9	2x1944	•		E
TY E6031007-00	2x12	2x1458	•		E
TY E6031009-00	2x15	2x1166	•		E
TY E6031011-00	2x18	2x972	•		E
TY E6031013-00	2x24	2x729	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031114-00	4.5	7777	•		E
TY E6031100-00	6	5833	•		E
TY E6031102-00	7.5	4666	•		E
TY E6031104-00	9	3888	•		E
TY E6031106-00	12	2916	•		E
TY E6031108-00	15	2333	•		E
TY E6031110-00	18	1944	•		E
TY E6031112-00	24	1458	•		E
TY E6031115-00	2x4.5	2x3888	•		E
TY E6031101-00	2x6	2x2916	•		E
TY E6031103-00	2x7.5	2x2333	•		E
TY E6031105-00	2x9	2x1944	•		E
TY E6031107-00	2x12	2x1458	•		E
TY E6031109-00	2x15	2x1166	•		E
TY E6031111-00	2x18	2x972	•		E
TY E6031113-00	2x24	2x729	•		E

SC: Inherently short Circuit proof

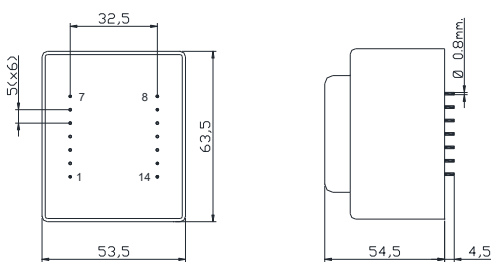
E: External

30VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031064-00	4.5	6666	•		E
TY E6031050-00	6	5000	•		E
TY E6031052-00	7.5	4000	•		E
TY E6031054-00	9	3333	•		E
TY E6031056-00	12	2500	•		E
TY E6031058-00	15	2000	•		E
TY E6031060-00	18	1666	•		E
TY E6031062-00	24	1250	•		E
TY E6031065-00	2x4.5	2x3333	•		E
TY E6031051-00	2x6	2x2250	•		E
TY E6031053-00	2x7.5	2x2000	•		E
TY E6031055-00	2x9	2x1666	•		E
TY E6031057-00	2x12	2x1250	•		E
TY E6031059-00	2x15	2x1000	•		E
TY E6031061-00	2x18	2x833	•		E
TY E6031063-00	2x24	2x625	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031164-00	4.5	6666	•		E
TY E6031150-00	6	5000	•		E
TY E6031152-00	7.5	4000	•		E
TY E6031154-00	9	3333	•		E
TY E6031156-00	12	2500	•		E
TY E6031158-00	15	2000	•		E
TY E6031160-00	18	1666	•		E
TY E6031162-00	24	1250	•		E
TY E6031165-00	2x4.5	2x3333	•		E
TY E6031151-00	2x6	2x2250	•		E
TY E6031153-00	2x7.5	2x2000	•		E
TY E6031155-00	2x9	2x1666	•		E
TY E6031157-00	2x12	2x1250	•		E
TY E6031159-00	2x15	2x1000	•		E
TY E6031161-00	2x18	2x833	•		E
TY E6031163-00	2x24	2x625	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



Units: mm, General tolerances ISO 2768-C

PRODUCT DESIGN ON DEMAND



TY SERIES							
TY E6021	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.56	27
TY E6021B	115-230V	4.5V-2x24V	20-25VA	TA 40-70/B	53.5x63.5x44.9 mm	0.57	27
TY E6026	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.70	27
TY E6026B	115-230V	4.5V-2x24V	24-30VA	TA 40-70/B	53.5x63.5x49.2 mm	0.71	27
TY E6031	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.80	18
TY E6031B	115-230V	4.5V-2x24V	30-35VA	TA 40-70/B	53.5x63.5x54.5 mm	0.81	18

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35VA / ta40/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031514-00	4.5	7777	•		E
TY E6031500-00	6	5833	•		E
TY E6031502-00	7.5	4666	•		E
TY E6031504-00	9	3888	•		E
TY E6031506-00	12	2916	•		E
TY E6031508-00	15	2333	•		E
TY E6031510-00	18	1944	•		E
TY E6031512-00	24	1458	•		E
TY E6031515-00	2x4.5	2x3888	•		E
TY E6031501-00	2x6	2x2916	•		E
TY E6031503-00	2x7.5	2x2333	•		E
TY E6031505-00	2x9	2x1944	•		E
TY E6031507-00	2x12	2x1458	•		E
TY E6031509-00	2x15	2x1166	•		E
TY E6031511-00	2x18	2x972	•		E
TY E6031513-00	2x24	2x729	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031614-00	4.5	7777	•		E
TY E6031600-00	6	5833	•		E
TY E6031602-00	7.5	4666	•		E
TY E6031604-00	9	3888	•		E
TY E6031606-00	12	2916	•		E
TY E6031608-00	15	2333	•		E
TY E6031610-00	18	1944	•		E
TY E6031612-00	24	1458	•		E
TY E6031615-00	2x4.5	2x3888	•		E
TY E6031601-00	2x6	2x2916	•		E
TY E6031603-00	2x7.5	2x2333	•		E
TY E6031605-00	2x9	2x1944	•		E
TY E6031607-00	2x12	2x1458	•		E
TY E6031609-00	2x15	2x1166	•		E
TY E6031611-00	2x18	2x972	•		E
TY E6031613-00	2x24	2x729	•		E

SC: Inherently short Circuit proof

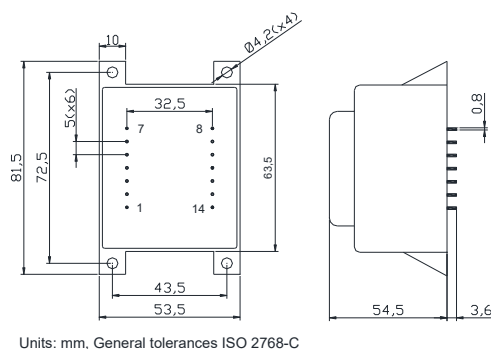
E: External

30VA / ta70/B Single and Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031564-00	4.5	6666	•		E
TY E6031550-00	6	5000	•		E
TY E6031552-00	7.5	4000	•		E
TY E6031554-00	9	3333	•		E
TY E6031556-00	12	2500	•		E
TY E6031558-00	15	2000	•		E
TY E6031560-00	18	1666	•		E
TY E6031562-00	24	1250	•		E
TY E6031565-00	2x4.5	2x3333	•		E
TY E6031551-00	2x6	2x2250	•		E
TY E6031553-00	2x7.5	2x2000	•		E
TY E6031555-00	2x9	2x1666	•		E
TY E6031557-00	2x12	2x1250	•		E
TY E6031559-00	2x15	2x1000	•		E
TY E6031561-00	2x18	2x833	•		E
TY E6031563-00	2x24	2x625	•		E
115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY E6031664-00	4.5	6666	•		E
TY E6031650-00	6	5000	•		E
TY E6031652-00	7.5	4000	•		E
TY E6031654-00	9	3333	•		E
TY E6031656-00	12	2500	•		E
TY E6031658-00	15	2000	•		E
TY E6031660-00	18	1666	•		E
TY E6031662-00	24	1250	•		E
TY E6031665-00	2x4.5	2x3333	•		E
TY E6031651-00	2x6	2x2250	•		E
TY E6031653-00	2x7.5	2x2000	•		E
TY E6031655-00	2x9	2x1666	•		E
TY E6031657-00	2x12	2x1250	•		E
TY E6031659-00	2x15	2x1000	•		E
TY E6031661-00	2x18	2x833	•		E
TY E6031663-00	2x24	2x625	•		E

SC: Inherently short Circuit proof

E: External

MECHANICAL DIMENSIONS AND TERMINAL CONNECTIONS



PRODUCT DESIGN ON DEMAND

TY SERIES							
TY U3006	2x115V	2x4.5V-2x24V	2.4-3VA	ta40-70/B	44.5x53.1x17.8mm	0.13	72
TY U3008	2x115V	2x4.5V-2x24V	3.2-4VA	ta40-70/B	44.5x53.1x20.2mm	0.16	60
TY U3010	2x115V	2x4.5V-2x24V	5-6VA	ta40-70/B	44.5x53.1x23.2mm	0.19	48
TY U3017	2x115V	2x4.5V-2x24V	8-10VA	ta40-70/B	44.5x53.1x29.2mm	0.25	36

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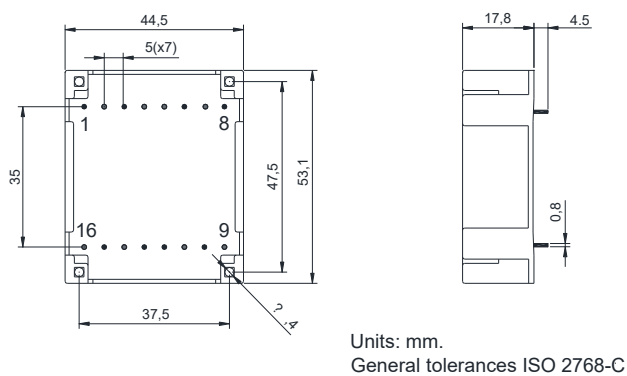
3VA / ta40/B		Double Secondary			
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3006007-00	2x4.5	2x333	•		SC
TY U3006000-00	2x6	2x250	•		SC
TY U3006001-00	2x7.5	2x200	•		SC
TY U3006002-00	2x9	2x167	•		SC
TY U3006003-00	2x12	2x125	•		SC
TY U3006004-00	2x15	2x100	•		SC
TY U3006005-00	2x18	2x83	•		SC
TY U3006006-00	2x24	2x63	•		SC

SC: Inherently short Circuit proof E: External

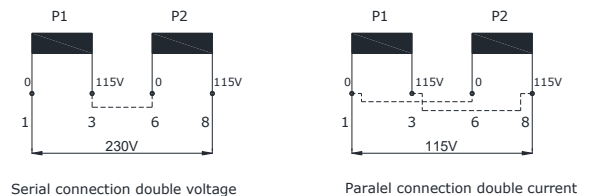
2.4VA / ta70/B		Double Secondary			
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3006057-00	2x4.5	2x267	•		SC
TY U3006050-00	2x6	2x200	•		SC
TY U3006051-00	2x7.5	2x160	•		SC
TY U3006052-00	2x9	2x133	•		SC
TY U3006053-00	2x12	2x100	•		SC
TY U3006054-00	2x15	2x80	•		SC
TY U3006055-00	2x18	2x67	•		SC
TY U3006056-00	2x24	2x50	•		SC

SC: Inherently short Circuit proof E: External

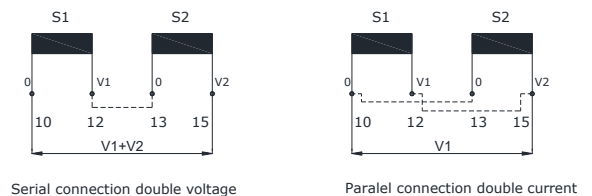
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections



TY SERIES							
TY U3006	2x115V	2x4.5V-2x24V	2.4-3VA	ta40-70/B	44.5x53.1x17.8mm	0.13	72
TY U3008	2x115V	2x4.5V-2x24V	3.2-4VA	ta40-70/B	44.5x53.1x20.2mm	0.16	60
TY U3010	2x115V	2x4.5V-2x24V	5-6VA	ta40-70/B	44.5x53.1x23.2mm	0.19	48
TY U3017	2x115V	2x4.5V-2x24V	8-10VA	ta40-70/B	44.5x53.1x29.2mm	0.25	36

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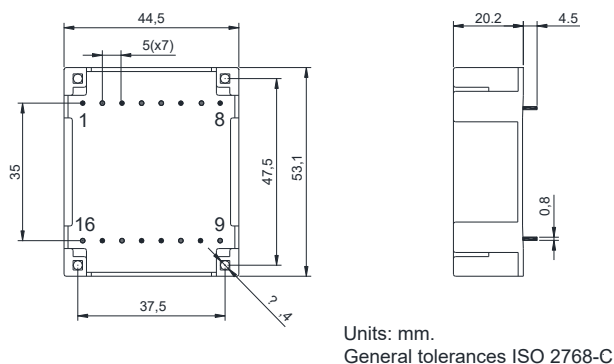
4VA / ta40/B		Double Secondary			
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3008007-00	2x4.5	2x444	•		E
TY U3008000-00	2x6	2x333	•		E
TY U3008001-00	2x7.5	2x267	•		E
TY U3008002-00	2x9	2x222	•		E
TY U3008003-00	2x12	2x167	•		E
TY U3008004-00	2x15	2x133	•		E
TY U3008005-00	2x18	2x111	•		E
TY U3008006-00	2x24	2x83	•		E

SC: Inherently short Circuit proof E: External

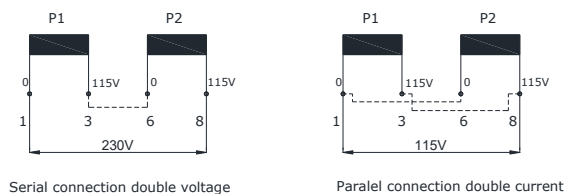
3.2VA / ta70/B		Double Secondary			
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3008057-00	2x4.5	2x356	•		E
TY U3008050-00	2x6	2x267	•		E
TY U3008051-00	2x7.5	2x213	•		E
TY U3008052-00	2x9	2x178	•		E
TY U3008053-00	2x12	2x133	•		E
TY U3008054-00	2x15	2x107	•		E
TY U3008055-00	2x18	2x89	•		E
TY U3008056-00	2x24	2x67	•		E

SC: Inherently short Circuit proof E: External

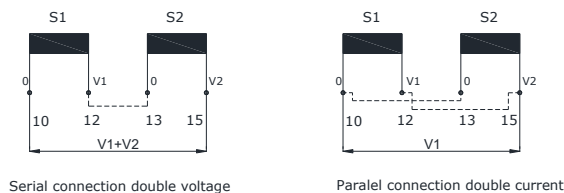
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections



PRODUCT DESIGN ON DEMAND

TY SERIES							
TY U3006	2x115V	2x4.5V-2x24V	2.4-3VA	ta40-70/B	44.5x53.1x17.8mm	0.13	72
TY U3008	2x115V	2x4.5V-2x24V	3.2-4VA	ta40-70/B	44.5x53.1x20.2mm	0.16	60
TY U3010	2x115V	2x4.5V-2x24V	5-6VA	ta40-70/B	44.5x53.1x23.2mm	0.19	48
TY U3017	2x115V	2x4.5V-2x24V	8-10VA	ta40-70/B	44.5x53.1x29.2mm	0.25	36

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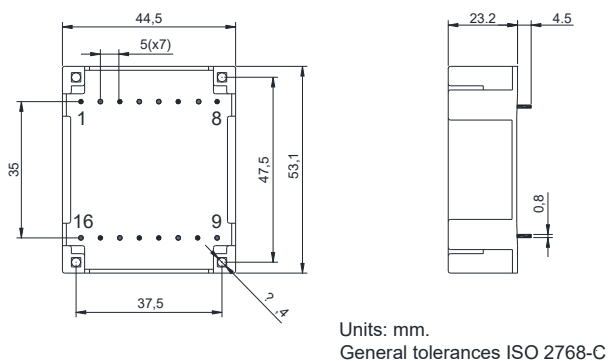
6VA / ta40/B		Double Secondary			
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3010007-00	2x4.5	2x667	•		E
TY U3010000-00	2x6	2x500	•		E
TY U3010001-00	2x7.5	2x400	•		E
TY U3010002-00	2x9	2x333	•		E
TY U3010003-00	2x12	2x250	•		E
TY U3010004-00	2x15	2x200	•		E
TY U3010005-00	2x18	2x167	•		E
TY U3010006-00	2x24	2x125	•		E

SC: Inherently short Circuit proof E: External

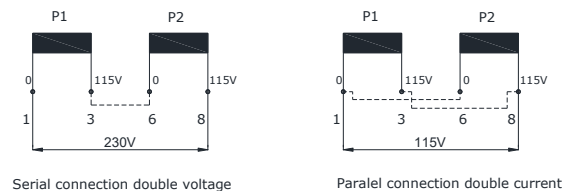
5VA / ta70/B		Double Secondary			
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3010057-00	2x4.5	2x556	•		E
TY U3010050-00	2x6	2x417	•		E
TY U3010051-00	2x7.5	2x333	•		E
TY U3010052-00	2x9	2x278	•		E
TY U3010053-00	2x12	2x208	•		E
TY U3010054-00	2x15	2x167	•		E
TY U3010055-00	2x18	2x139	•		E
TY U3010056-00	2x24	2x104	•		E

SC: Inherently short Circuit proof E: External

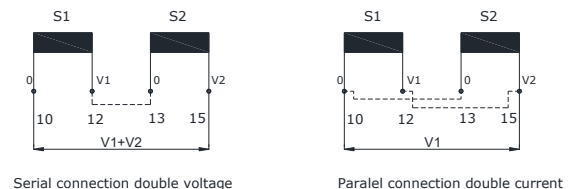
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections



TY SERIES							
TY U3006	2x115V	2x4.5V-2x24V	2.4-3VA	ta40-70/B	44.5x53.1x17.8mm	0.13	72
TY U3008	2x115V	2x4.5V-2x24V	3.2-4VA	ta40-70/B	44.5x53.1x20.2mm	0.16	60
TY U3010	2x115V	2x4.5V-2x24V	5-6VA	ta40-70/B	44.5x53.1x23.2mm	0.19	48
TY U3017	2x115V	2x4.5V-2x24V	8-10VA	ta40-70/B	44.5x53.1x29.2mm	0.25	36

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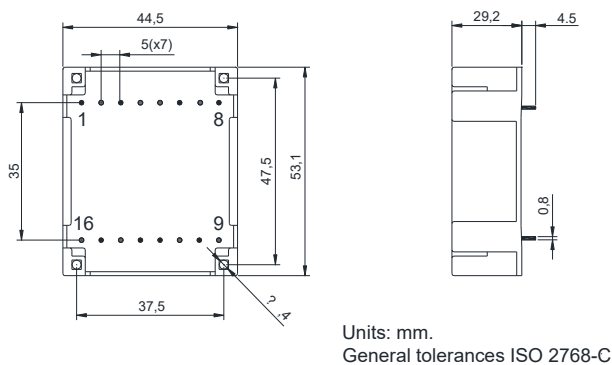
10VA /ta40/B Double Secondary					
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3017007-00	2x4.5	2x1111	•		E
TY U3017000-00	2x6	2x833	•		E
TY U3017001-00	2x7.5	2x667	•		E
TY U3017002-00	2x9	2x556	•		E
TY U3017003-00	2x12	2x417	•		E
TY U3017004-00	2x15	2x333	•		E
TY U3017005-00	2x18	2x278	•		E
TY U3017006-00	2x24	2x208	•		E

SC: Inherently short Circuit proof E: External

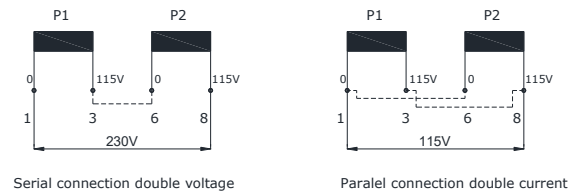
8VA / ta70/B Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3017057-00	2x4.5	2x889	•		E
TY U3017050-00	2x6	2x667	•		E
TY U3017051-00	2x7.5	2x533	•		E
TY U3017052-00	2x9	2x444	•		E
TY U3017053-00	2x12	2x333	•		E
TY U3017054-00	2x15	2x267	•		E
TY U3017055-00	2x18	2x222	•		E
TY U3017056-00	2x24	2x167	•		E

SC: Inherently short Circuit proof E: External

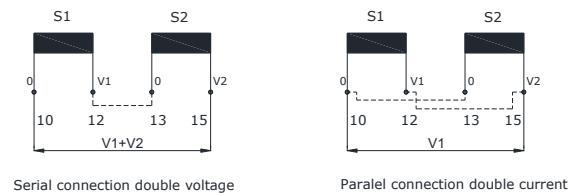
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections



PRODUCT DESIGN ON DEMAND

TY U39 SERIES

- UL-5058-1-2 / file nº 518405
-    

8VA / ta70/B		Double Secondary			
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3908057-00	2x4.5	2x889	•		E
TY U3908050-00	2x6	2x667	•		E
TY U3908051-00	2x7.5	2x533	•		E
TY U3908052-00	2x9	2x444	•		E
TY U3908053-00	2x12	2x333	•		E
TY U3908054-00	2x15	2x267	•		E
TY U3908055-00	2x18	2x222	•		E
TY U3908056-00	2x24	2x167	•		E
SC: Inherently short Circuit proof					E: External

Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: 57,3
- Overall height: 68,5
- Top edge features: 5(x8) (5 holes of diameter 8), 5,9 (distance between hole centers), 23,4 (distance from top edge to hole center line), 4,5 (thickness of top flange).
- Bottom edge features: 50 (distance between hole center lines), 54,6 (distance from bottom edge to hole center line), 0,8 (thickness of bottom flange).
- Internal features: 1, 10, 20, 11 (hole numbers), 62,5 (distance from bottom edge to hole center line), 2,4 (hole diameter).

Units: mm.
General tolerances ISO 2768-C

The diagram illustrates two methods of connecting two 230V, 10A power supplies (P1 and P2) to a load.

Left Method (Serial Connection): The outputs of P1 and P2 are connected in series. The output voltage is 460V (230V + 230V). The current capacity remains 10A.

Right Method (Parallel Connection): The outputs of P1 and P2 are connected in parallel. The output voltage is 230V. The current capacity is doubled to 20A (10A + 10A).

TY SERIES							
TY U3908	2x115V	2x4.5V-2x24V	8-10VA	TA 40-70/B	57.3x68.5x23.4 mm	0.29	27
TY U3911	2x115V	2x4.5V-2x24V	11-14VA	TA 40-70/B	57.3x68.5x25.6 mm	0.34	27
TY U3914	2x115V	2x4.5V-2x24V	15-18VA	TA 40-70/B	57.3x68.5x28.9 mm	0.40	27
TY U3917	2x115V	2x4.5V-2x24V	20-24VA	TA 40-70/B	57.3x68.5x32.4 mm	0.49	27
TY U3921	2x115V	2x4.5V-2x24V	24-30VA	TA 40-70/B	57.3x68.5x36.4 mm	0.55	27

• UL-5058-1-2 / file n° 518405 

•   

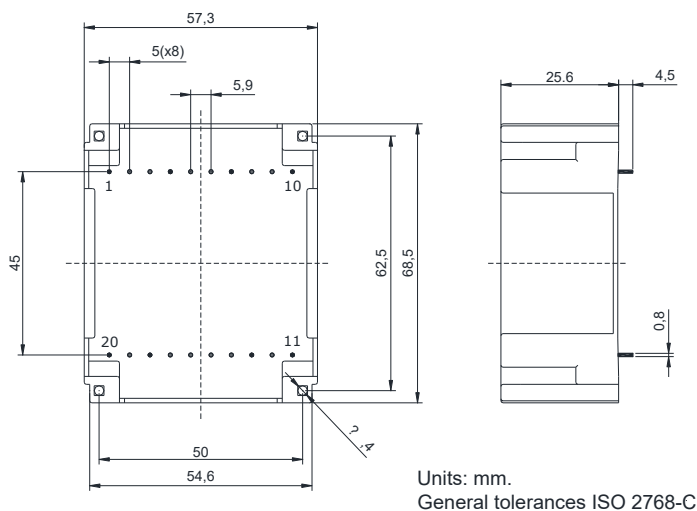
14VA /ta40/B Double Secondary					
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3911007-00	2x4.5	2x1556	•		E
TY U3911000-00	2x6	2x1167	•		E
TY U3911001-00	2x7.5	2x933	•		E
TY U3911002-00	2x9	2x778	•		E
TY U3911003-00	2x12	2x583	•		E
TY U3911004-00	2x15	2x467	•		E
TY U3911005-00	2x18	2x389	•		E
TY U3911006-00	2x24	2x292	•		E

SC: Inherently short Circuit proof E: External

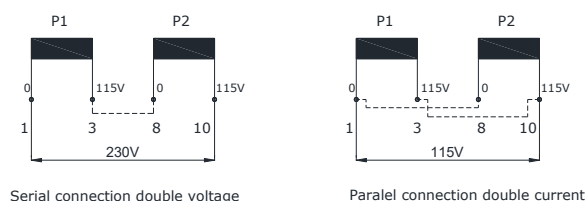
11VA / ta70/B Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3911057-00	2x4.5	2x1222	•		E
TY U3911050-00	2x6	2x917	•		E
TY U3911051-00	2x7.5	2x733	•		E
TY U3911052-00	2x9	2x611	•		E
TY U3911053-00	2x12	2x458	•		E
TY U3911054-00	2x15	2x367	•		E
TY U3911055-00	2x18	2x306	•		E
TY U3911056-00	2x24	2x229	•		E

SC: Inherently short Circuit proof E: External

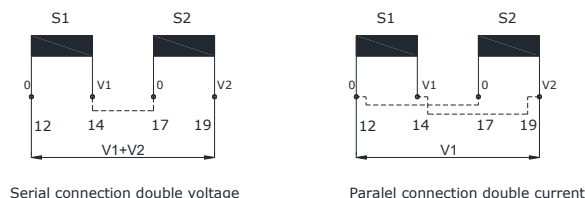
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections



PRODUCT DESIGN ON DEMAND

TY SERIES							
TY U3908	2x115V	2x4.5V-2x24V	8-10VA	TA 40-70/B	57.3x68.5x23.4 mm	0.29	27
TY U3911	2x115V	2x4.5V-2x24V	11-14VA	TA 40-70/B	57.3x68.5x25.6 mm	0.34	27
TY U3914	2x115V	2x4.5V-2x24V	15-18VA	TA 40-70/B	57.3x68.5x28.9 mm	0.40	27
TY U3917	2x115V	2x4.5V-2x24V	20-24VA	TA 40-70/B	57.3x68.5x32.4 mm	0.49	27
TY U3921	2x115V	2x4.5V-2x24V	24-30VA	TA 40-70/B	57.3x68.5x36.4 mm	0.55	27

- UL-5058-1-2 / file n° 518405 
-   

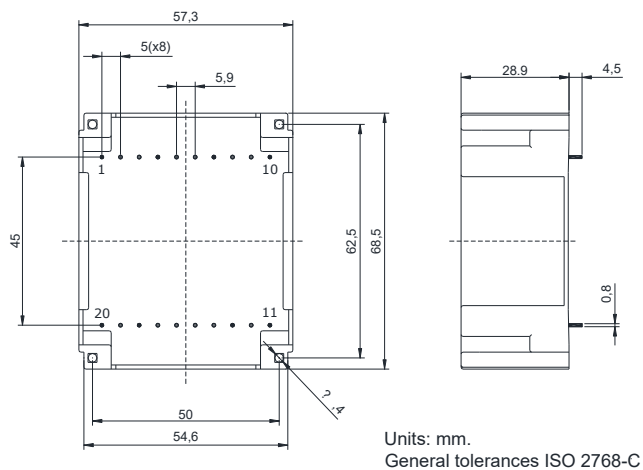
18VA /ta40/B Double Secondary					
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3914007-00	2x4.5	2x2000	•		E
TY U3914000-00	2x6	2x1500	•		E
TY U3914001-00	2x7.5	2x1200	•		E
TY U3914002-00	2x9	2x1000	•		E
TY U3914003-00	2x12	2x750	•		E
TY U3914004-00	2x15	2x600	•		E
TY U3914005-00	2x18	2x500	•		E
TY U3914006-00	2x24	2x375	•		E

SC: Inherently short Circuit proof E: External

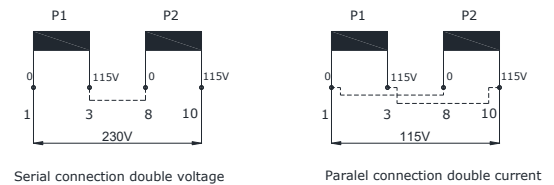
15VA / ta70/B Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3914057-00	2x4.5	2x1667	•		E
TY U3914050-00	2x6	2x1250	•		E
TY U3914051-00	2x7.5	2x1000	•		E
TY U3914052-00	2x9	2x833	•		E
TY U3914053-00	2x12	2x625	•		E
TY U3914054-00	2x15	2x500	•		E
TY U3914055-00	2x18	2x417	•		E
TY U3914056-00	2x24	2x313	•		E

SC: Inherently short Circuit proof E: External

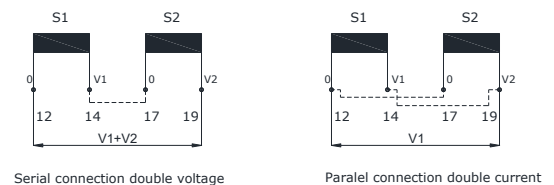
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections



TY SERIES							
TY U3908	2x115V	2x4.5V-2x24V	8-10VA	TA 40-70/B	57.3x68.5x23.4 mm	0.29	27
TY U3911	2x115V	2x4.5V-2x24V	11-14VA	TA 40-70/B	57.3x68.5x25.6 mm	0.34	27
TY U3914	2x115V	2x4.5V-2x24V	15-18VA	TA 40-70/B	57.3x68.5x28.9 mm	0.40	27
TY U3917	2x115V	2x4.5V-2x24V	20-24VA	TA 40-70/B	57.3x68.5x32.4 mm	0.49	27
TY U3921	2x115V	2x4.5V-2x24V	24-30VA	TA 40-70/B	57.3x68.5x36.4 mm	0.55	27

- UL-5058-1-2 / file n° 518405 
-   

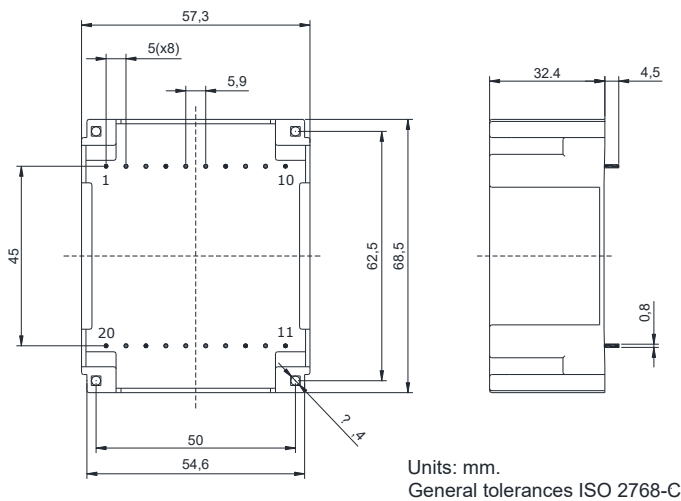
24VA /ta40/B Double Secondary					
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3917007-00	2x4.5	2x2667	•		E
TY U3917000-00	2x6	2x2000	•		E
TY U3917001-00	2x7.5	2x1600	•		E
TY U3917002-00	2x9	2x1333	•		E
TY U3917003-00	2x12	2x1000	•		E
TY U3917004-00	2x15	2x800	•		E
TY U3917005-00	2x18	2x667	•		E
TY U3917006-00	2x24	2x500	•		E

SC: Inherently short Circuit proof E: External

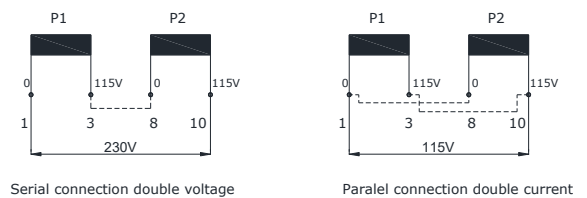
20VA / ta70/B Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3917057-00	2x4.5	2x2222	•		E
TY U3917050-00	2x6	2x1667	•		E
TY U3917051-00	2x7.5	2x1333	•		E
TY U3917052-00	2x9	2x1111	•		E
TY U3917053-00	2x12	2x833	•		E
TY U3917054-00	2x15	2x667	•		E
TY U3917055-00	2x18	2x556	•		E
TY U3917056-00	2x24	2x417	•		E

SC: Inherently short Circuit proof E: External

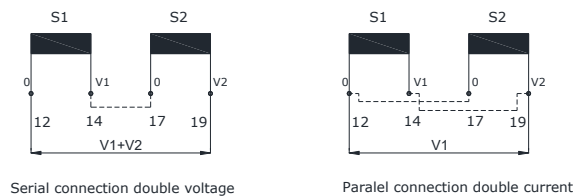
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



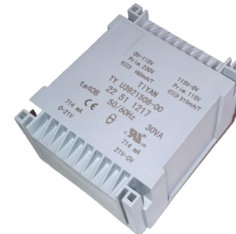
Secondary connections



PRODUCT DESIGN ON DEMAND

TY SERIES							
TY U3908	2x115V	2x4.5V-2x24V	8-10VA	TA 40-70/B	57.3x68.5x23.4 mm	0.29	27
TY U3911	2x115V	2x4.5V-2x24V	11-14VA	TA 40-70/B	57.3x68.5x25.6 mm	0.34	27
TY U3914	2x115V	2x4.5V-2x24V	15-18VA	TA 40-70/B	57.3x68.5x28.9 mm	0.40	27
TY U3917	2x115V	2x4.5V-2x24V	20-24VA	TA 40-70/B	57.3x68.5x32.4 mm	0.49	27
TY U3921	2x115V	2x4.5V-2x24V	24-30VA	TA 40-70/B	57.3x68.5x36.4 mm	0.55	27

- UL-5058-1-2 / file n° 518405 



30VA / ta40/B Double Secondary					
2x115V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3921007-00	2x4.5	2x3333	•		E
TY U3921000-00	2x6	2x2500	•		E
TY U3921001-00	2x7.5	2x2000	•		E
TY U3921002-00	2x9	2x1667	•		E
TY U3921003-00	2x12	2x1250	•		E
TY U3921004-00	2x15	2x1000	•		E
TY U3921005-00	2x18	2x833	•		E
TY U3921006-00	2x24	2x625	•		E

SC: Inherently short Circuit proof

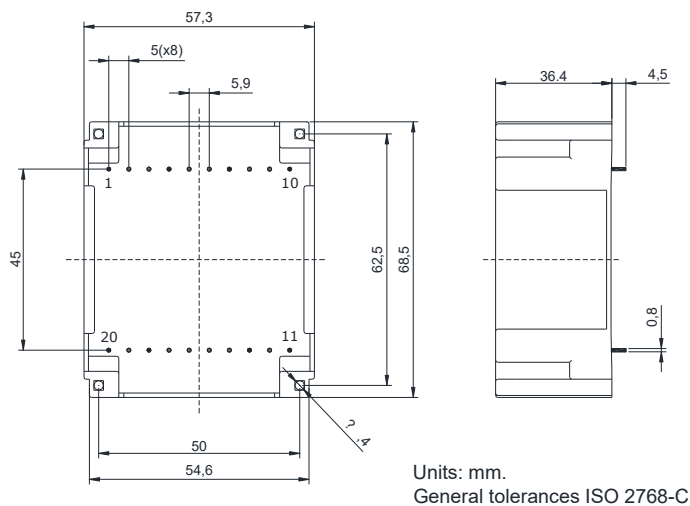
E: External

24VA / ta70/B Double Secondary					
230V	V _{sec} (V)	I _{sec} (mA)	Approval		Protec.
			UL	VDE	
TY U3917057-00	2x4.5	2x2667	•		E
TY U3917050-00	2x6	2x2000	•		E
TY U3917051-00	2x7.5	2x1600	•		E
TY U3917052-00	2x9	2x1333	•		E
TY U3917053-00	2x12	2x1000	•		E
TY U3917054-00	2x15	2x800	•		E
TY U3917055-00	2x18	2x667	•		E
TY U3917056-00	2x24	2x500	•		E

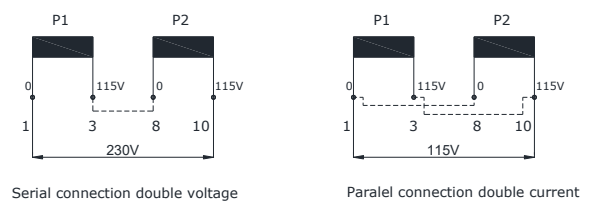
SC: Inherently short Circuit proof

E: External

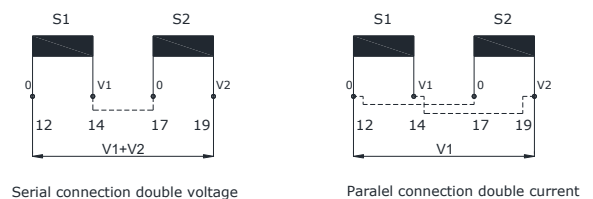
MECHANICAL DIMENSIONS AND CONNECTIONS



Primary connections



Secondary connections





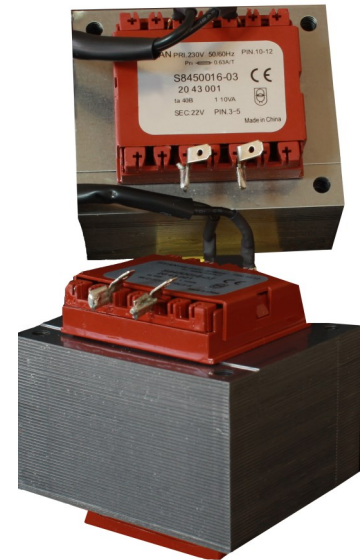
OPEN FRAME TRANSFORMERS

Series designed and manufactured for equipment that requires galvanic isolation between primary and secondary windings (uses two chamber coil), it guarantees the compliance with EN 61558; EN 60950; EN 60742; UL5085; Standards.

The assembly and coating of the case/core take place through an automatic manufacturing process that allow these series to adapt to different uses, from motors for gate openers to road barriers, home automation, control panels, etc...

Series with powers from 2 to 200VA ,available with different primary voltages, with single, double, centre tap secondary, input/output connections can be made by PVC cables, fast-on terminals, connectors etc...or whatever configuration Customer needs, tested 100% during the production process, guarantees a long life and reliability for any application.

Compliant with CE, RoHs and Reach regulations.

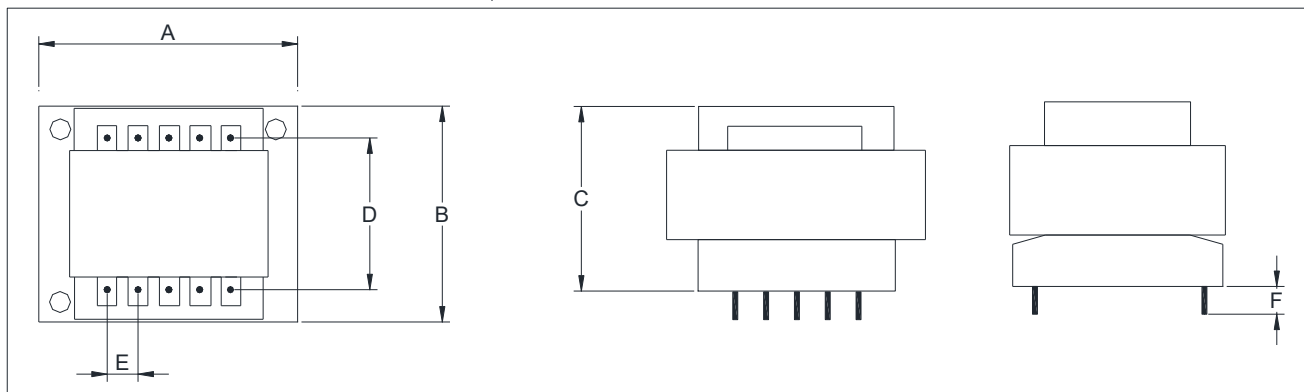


TECHNICAL CHARACTERISTICS

- Self-extinguishing plastic material UL94V0
- Two chamber coil former
- F class (155°C) varnish
- Double isolation winding wire
- Available for ambient temperature 40°C and 70°C
- Thermal class materials 130°C B class or 155°C F
- Isolation primary secondary 10Mohm at 500Vdc
- Single Secondary Voltage from 6V to 48V
- Double Secondary Voltage from 2x6V to 2x18V
- Centre tapped Voltage from 6V+6V to 18V+18V
- Standard primary Voltages for all series 115/230V
- Dielectric strength prim/sec 4KV/1min.
- 100% test electrical parameters at production process
- Certificates UL or VDE under request.

SERIES INDEX

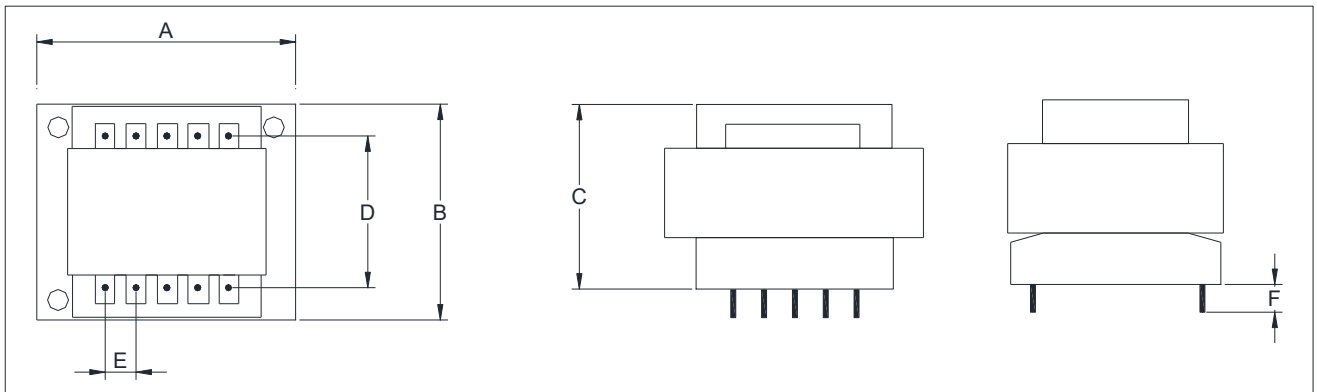
TY S38 SERIES. 3-6VA
TY S42 SERIES. 5-7VA
TY S48 SERIES 8-14VA
TY S54 SERIES. 13-25VA
TY S60 SERIES. 20-35VA
TY S66 SERIES. 35-70VA
TY S75 SERIES. 60-120VA
TY S84 SERIES 100-150VA
TY S96 SERIES. 150-200VA



Units: mm

Tolerances According to ISO-2768-C

SERIES	A	B	C	D	E	F	POWER/TEMP.	TERMINAL N°	PROTECCION
TY S3814	38	32	26.2	25	5	4.5	3.5VA/40°C	2x5	External
TY S3820	38	32	33.2	25	5	4.5	6VA/40°C 4VA/70°C	2x5	External
TY S4215	42	35	29.8	25	5	4.5	7VA/40°C 5VA/70°C	2x6	External
TY S4817	48	40	34.8	27.5	5	4.5	10VA/40°C 8VA/70°C	2x6	External
TY S4821	48	40	38.5	27.5	5	4.5	12VA/40°C 10VA/70°C	2x6	External
TY S4826	48	40	43.5	27.5	5	4.5	14VA/40°C 12VA/70°C	2x6	External
TY S5419	54	45	38.8	32.5	5	4.5	16VA/40°C 13VA/70°C	2x7	External
TY S5423	54	45	43.8	32.5	5	4.5	25VA/40°C 20VA/70°C	2x7	External
TY S6021	60	50	42.1	32.5	5	4.5	25VA/40°C 20VA/70°C	2x7	External
TY S6031	60	50	51.5	32.5	5	4.5	35VA/40°C 30VA/70°C	2x7	External
TY S6623	66	55	47.3	35	5	4.5	40VA/40°C 35VA/70°C	2x8	External
TY S6631	66	55	54.3	35	5	4.5	60VA/40°C 70VA/70°C	2x8	External
TY S7525	75	62.5	54.5	39	7.5	-	70VA/40°C 60VA/70°C	2x6	External
TY S7535	75	62.5	64.5	39	7.5	-	100VA/40°C 85VA/70°C	2x6	External
TY S7540	75	62.5	69.4	39	7.5	-	120VA/40°C 100VA/70°C	2x6	External



Units: mm

Tolerances According to ISO-2768-C

SERIES	A	B	C	D	E	F	POWER/TEMP.	TERMINAL N°	PROTECCION
TY S8444	84	70	74.2	45	7.5	-	120VA/40°C 100VA/70°C	2x6	External
TY S8450	84	70	81	45	7.5	-	150VA/40°C 130VA/70°C	2X6	External
TY S9640	96	80	79.6	55.5	10	-	170VA/40°C 150VA/70°C	2X6	External
TY S9650	96	80	89.6	55.5	10	-	185VA/40°C 160VA/70°C	2X6	External
TY S9660	96	80	99.6	55.5	10	-	200VA/40°C 170VA/70°C	2X6	External



TOROIDAL TRANSFORMERS

Series designed for a high performance Applications, where small size, low weight low losses and high efficiency are required. Standard TIYAN series of toroidal transformers, goes from 10 to 1KVA under UL5085-1-2 approval UL file number E518405.

This series has important advantages in front of EI conventional transformers, like smaller size, low weight, low no load losses, higher efficiency, lower stray magnetic field, flexible dimensions, easy to assemble.

Toroidal transformers are replacing EI transformers in most of industry applications like, audio, lighting, home automation, gate openers, control panels, and so on.



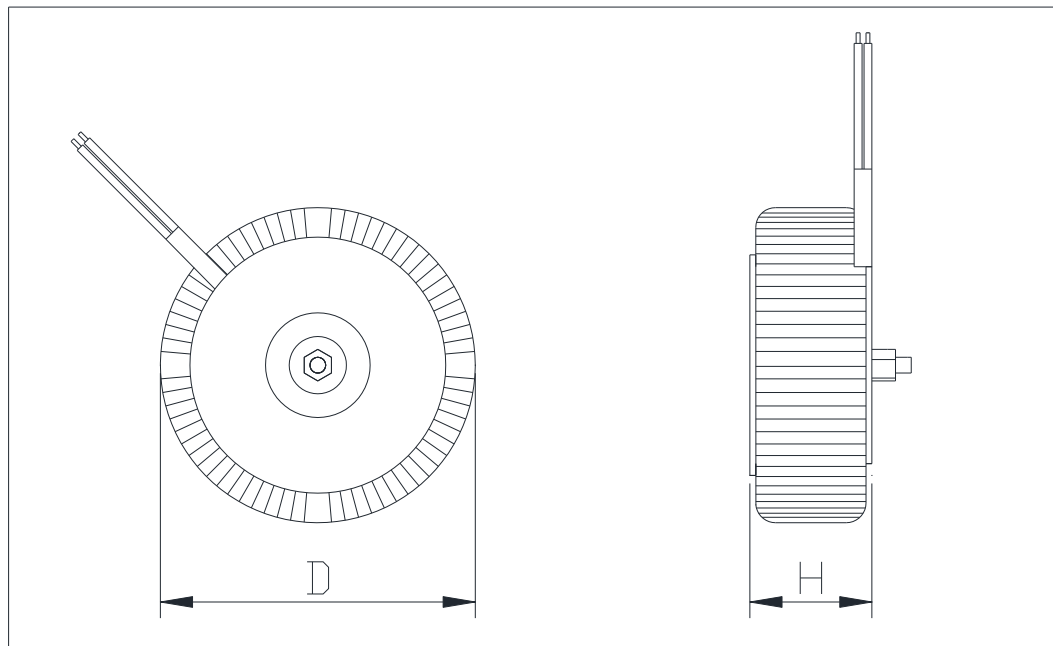
TECHNICAL CHARACTERISTICS

- Double isolation winding wire
- Available for ambient temperature 40°C and 70°C
- Thermal class materials 130°C B class or 155°C F
- Isolation primary secondary 5Mohm at 500Vdc
- High permeability core material
- Certificates UL or VDE under request.
- Single Secondary Voltage from 6V to 48V
- Double Secondary Voltage from 2x6V to 2x24V
- Centre tapped Voltage from 6V+6V to 24V+24V
- Standard primary Voltages for all series 2x115/230V
- Dielectric strength prim/sec 3KV/1min.
- 100% test electrical parameters at production process

SERIES

- **TY TXXXXYYY-ZZ; FROM 10 TO 1000VA**





Units: mm

UL file E518405 approved all series



Tolerances According to ISO-2768-C

SERIES	D	H	Power/t.amb	Weight	SERIES	D	H	Power/t.amb	Weight
TY T001	72	30	10VA/40°C	0.41Kg	TY T020	120	52	200VA/40°C	2.15Kg
TY T003	80	30	30VA/40°C	0.53Kg	TY T025	120	52	250VA/40°C	2.43Kg
TY T004	80	33	40VA/40°C	0.56Kg	TY T030	130	58	300VA/40°C	3.00Kg
TY T005	90	35	50VA/40°C	0.67Kg	TY T035	135	58	350VA/40°C	3.5Kg
TY T007	93	35	70VA/40°C	1.00Kg	TY T040	140	58	400VA/40°C	4.10Kg
TY T010	97	35	100VA/40°C	1.15Kg	TY T050	150	65	500VA/40°C	5.00Kg
TY T012	100	35	120VA/40°C	1.37Kg	TY T055	153	65	550VA/40°C	5.3Kg
TY T015	110	45	150VA/40°C	1.60Kg	TY T100	172	70	1000VA/40°C	8.35Kg

PRODUCT DESIGN ON DEMAND

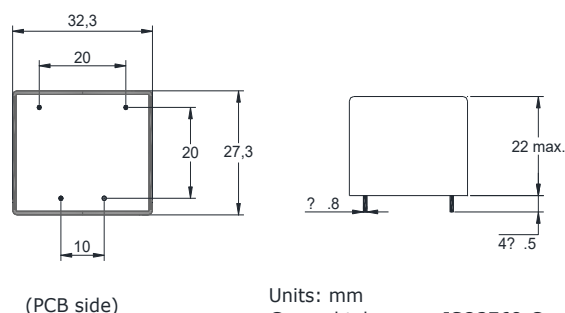




SWITCH MODE POWER SUPPLIES

MAIN FEATURES

- Flyback topology Switch mode power supply.
- Alternative to linear power applications of 5W or less.
- Replace directly the EI30 series of Encapsulated transformers.
- Low stand-by energy consumption.
- Improve energetic efficiency, > 70%.
- Industrial, Domestic, Consumer electronics applications.
- Meets Safety and EMC standards.

MECHANICAL DRAWING**SMPS POWER UNIT SERIES**

3 W Series		
Code.	Output Voltage. (Vdc)	Output Current. (dc.mA)
TY30.03.105	5	600
TY30.03.109	9	333
TY30.03.112	12	250
TY30.03.115	15	200
TY30.03.118	18	166
TY30.03.124	24	125

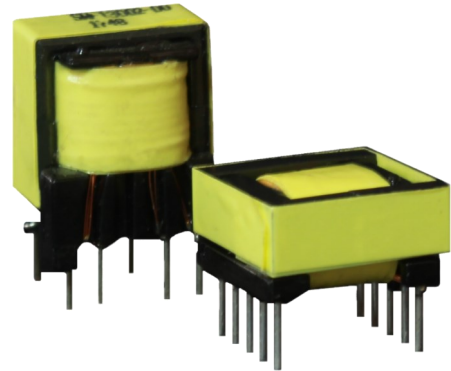
5 W Series		
Code.	Output Voltage. (Vdc)	Output Current. (dc.mA)
TY30.05.105	5	1000
TY30.05.109	9	555
TY30.05.112	12	416
TY30.05.115	15	333
TY30.05.118	18	277
TY30.05.124	24	208

ELECTRICAL CHARACTERISTICS

Input AC Voltage Range	85-265 Vac
Line Frequency	47 – 63Hz
Input Power (no load)	≤ 0.25W max. at 230Vac
Line output voltage variation	≤ 0.5%
Load output voltage variation	≤ 0.5%
Nominal Vout (full load)	Vout. ± 5%
Output Current max.	Output current (see above table)
Output Ripple	< 200mVpp
Efficiency Typ.	≥ 70% @full load 230V
Rise Time Output Voltage	200ms max. at 80%
Output over current protection	No damage shall occur. Self recovering when condition is removed
Output short circuit protection	No damage shall occur. Self recovering when condition is removed
Hi-pot test	4kVac. P/S
DC- insulation resistance	10MΩ minimum at 500Vdc
Working temperature	60°C max.
Safety according to	EN60950, EN60335, EN61558-2-16, UL Listed materials.
EMC according to	EN55014-1, EN55022 class B, EN 55014-2, EN61000-4-X

The new exigences in the applications where the size, height and efficiency of power supply have priority, make this transformers the most suitable for an optimal working on high frequency applications that goes from 30 to 500KHz and power that can go over 1KW.

These transformers are available in different shapes or series as, E, EF, EP, ETD, EC, PQ, etc...depending on the needs of the design. They are appropriated for flyback, forward, push-pull topologies used in a big variety of applications like domotic, industrial, lighting, industrial.

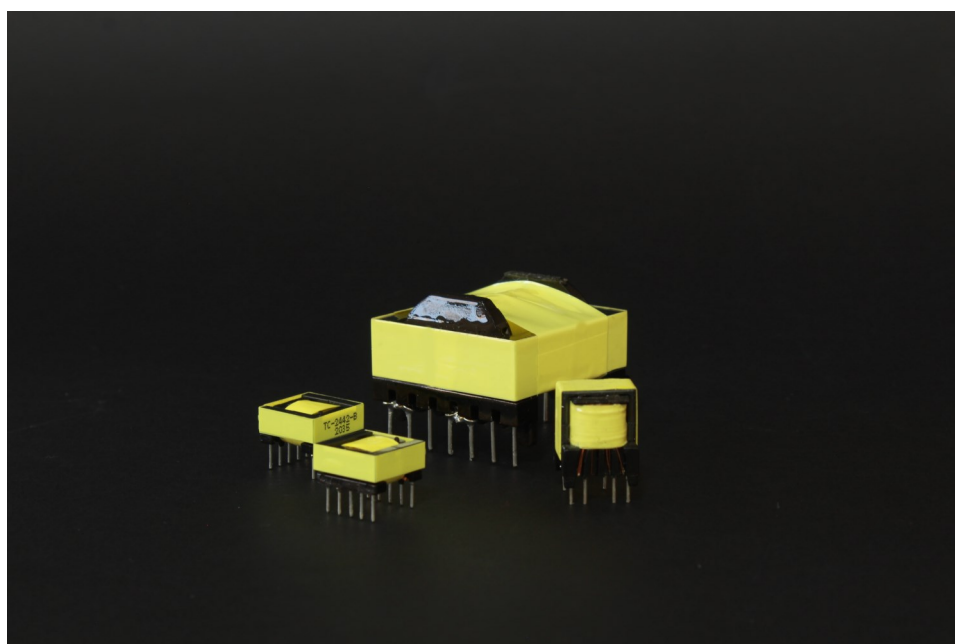


TECHNICAL SPECIFICATIONS

- Plastic case: Self - extinguishing UL94V0
- Impregnation: Synthetic resin varnish thermal class F155°C/311°F
- Copper Wire: Double isolation type and triple insulated
- Thermal class materials: B130°C/266°F – F155°C/311°F (optional)
- Dielectric strenght Pri/Sec: $\geq 4KV$
- Creepage lines and clearances: According to regulation IEC EN60950, EN 61558, EN 60335
- Connection pins: Lead free

Standard series	Power	Image/draw
E series	0-1000W	
ETD series	210-1800W	
EFD series	7-115W	
EP series	2-200W	
PQ series	50-1000W	
RM series	200W	

The Power value is given in a push-pull converter, it is an illustrative value, in function of frequency, magnetic materials, proximity effect, skin effect, etc. This value may vary.



STANDARD	DRAWING	CHARACTERISTICS
EMI FILTER		EMI Filters, rated voltages 85 to 265Vac, Insulation resistance $\geq 1000\text{Mohm}$ at 500Vdc, Turns ratio 1:1, Hi-pot 2500Vac, temp range -40 to 105°C.
COMMON MODE CHOKE		Common mode chokes, 0,3 to 10A rating, 0,7 to 100mH, dual chokes, 100KHz to 3MHz common mode resonance, Hi-pot 1500Vac.
POWER INDUCTORS		Power Inductors, Operating temp.-40 to 85°C, several core shapes, depending of the application.
CURRENT TRANSF.		Current transformers, low profile, directly to PCB, UL 94 V0 case, Epoxy resin filled. Working frequency from 20 to 400Hz, HI-pot 4KV.
PULSE TRANSF.		Pulse Transformers, used in SCR and Triac circuits of low and medium and high powers. Turns ratio 1:1, 2:1, 3:1, filled with epoxy resin, UL94-V0 materials

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REFERRALS

