

POWER SUPPLIES



Safety bell transformer

- For safe isolation and power supply of circuits of the power input up to 4 VA with safe low voltage 6, 8, 12 V a.c.
- For power supply of door bells, gongs, telephones, auxiliary circuits of contactors, lighting, relays etc.
- The transformer is unconditionally short-circuit-proof – withstands continuous short-circuit even without a backup protection device, and continues to perform all its functions as soon as the overload or short-circuit ceases.
- Degree of protection IP30.



Rated primary voltage U_{PRI}	Rated secondary voltage U_{SEC}	Type	Product code	Number of modules	Weight [kg]	Package [pcs]
230 V a.c.	6, 8, 12 V a.c.	UTZ-4-A	35688	3	0.475	1



Safety power supply

- For safe isolation and power supply of circuits of the power input up to 10 VA with safe low voltage 12, 24 V a.c./d.c.
- For power supply of door bells, gongs, telephones, door openers, transducers, auxiliary circuits of contactors, lighting, relays etc.
- On the secondary side it is equipped with a PTC thermistor (PTC), which limits the overcurrent in the secondary winding at overload.
- Current limitation is signalled by two-colour LED, which goes red.
- Presence of U_{PRI} is signalled by two-colour LED going green.
- Protection of outputs by blocking capacitors against interference.
- Equipped with voltage stabilizers.



Rated primary voltage U_{PRI}	Rated secondary voltage U_{SEC}	Type	Product code	Number of modules	Weight [kg]	Package [pcs]
230 V a.c.	12 V a.c. / d.c.	UNZ-10T-X012	35685	3	0.36	1
	24 V a.c. / d.c.	UNZ-10T-X024	35686	3	0.36	1



Controlled safety power supply

- For safe isolation and power supply of circuits of the power input up to 10 VA with safe low voltage 24 V a.c. and regulated voltage 1.2 ÷ 24 V d.c.
- For power supply of door bells, gongs, telephones, door openers, transducers, auxiliary circuits of contactors, lighting, relays etc.
- On the secondary side it is equipped with a PTC thermistor (PTC), which limits the overcurrent in the secondary winding at overload.
- Current limitation is signalled by two-colour LED, which goes red.
- Presence of U_{PRI} is signalled by two-colour LED going green.
- Protection of outputs by blocking capacitors against interference.
- Equipped with voltage stabilizers.



Rated primary voltage U_{PRI}	Rated secondary voltage U_{SEC}	Type	Product code	Number of modules	Weight [kg]	Package [pcs]
230 V a.c.	24 V a.c., 1.2 ÷ 24 V d.c.	UNZR-10T-X024	35687	3	0.36	1

POWER SUPPLIES

Specifications

Type		UTZ-4-A	UNZ-10T-..	UNZR-10T-X024
Standards		EN 60742	EN 60742	EN 60742
Approval marks				
Power output		4 VA	10 VA ¹⁾	10 VA ¹⁾
Rated primary voltage	U_{PRI}	230 V a.c.	230 V a.c.	230 V a.c.
Rated secondary voltage AC ²⁾ / current	U_{SEC} / I_{SEC}	6 V a.c. / 0.33 A	12 V a.c. / 0.8 A	24 V a.c. / 0.36 A
		8 V a.c. / 0.33 A	24 V a.c. / 0.36 A	
		12 V a.c. / 0.33 A		
Rated secondary voltage DC ²⁾ / current	U_{SEC} / I_{SEC}	-	12 V d.c. / 0.4 A	1.2 ÷ 24 V d.c. / 0.08 ÷ 0.3 A
			24 V d.c. / 0.2 A	
Rated frequency	f_n	50 Hz	50 Hz	50 Hz
Protection class		II	II	II
Light indication presence U_{PRI}		-	green LED	green LED
Light indication current limitation		-	red LED	red LED
Connection				
Cross-section		0.2 ÷ 2.5 mm ²	0.2 ÷ 2.5 mm ²	0.2 ÷ 2.5 mm ²
Torque		0.5 Nm	0.5 Nm	0.5 Nm
Other data				
Mounting on "U" rail according to EN 60715 - typ		TH 35	TH 35	TH 35
Degree of protection		IP20	IP20	IP20
Ambient temperature		-30 ÷ +35 °C	-10 ÷ +35 °C	-10 ÷ +35 °C
Working position		arbitrary	arbitrary	arbitrary

¹⁾ At simultaneous loading of both AC and DC outputs the sum of both power inputs must not exceed 8 VA

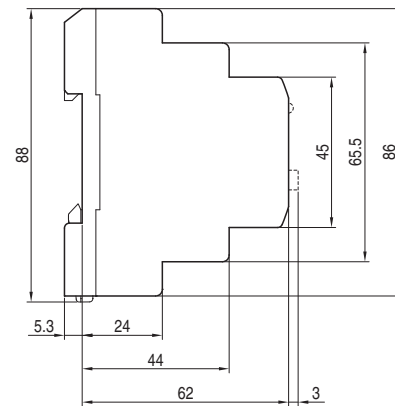
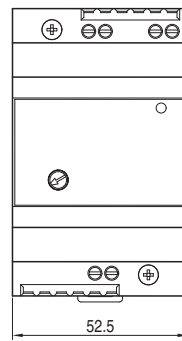
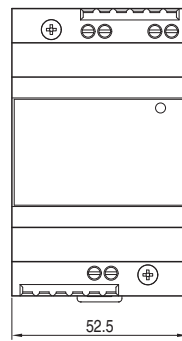
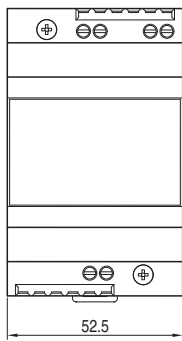
²⁾ The transformers have a higher voltage at off-load connection. The shown voltages are those at rated load.

Diagram

UTZ-4-A

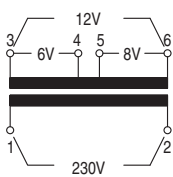
UNZ-10T-..

UNZR-10T-X024

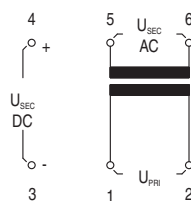


Dimensions

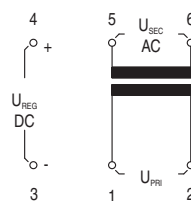
UTZ-4-A



UNZ-10T-..



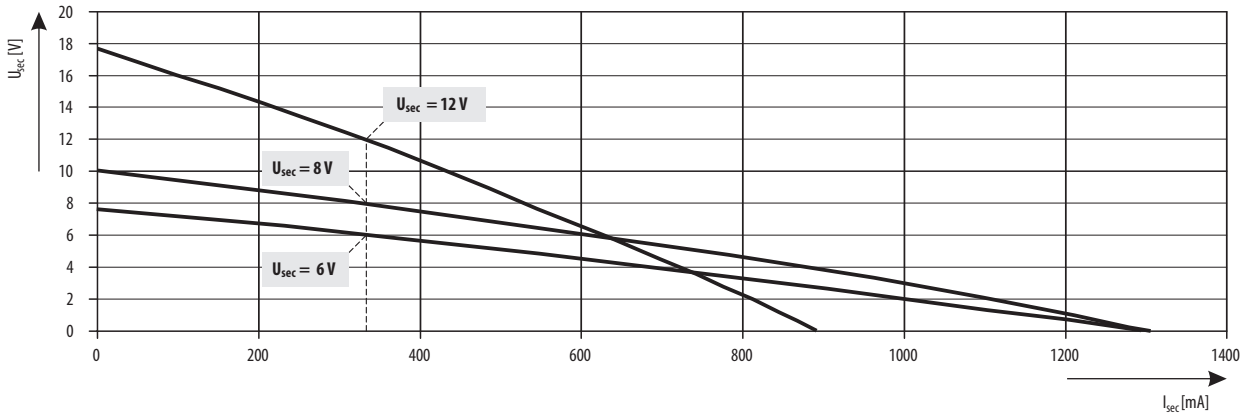
UNZR-10T-X024



POWER SUPPLIES

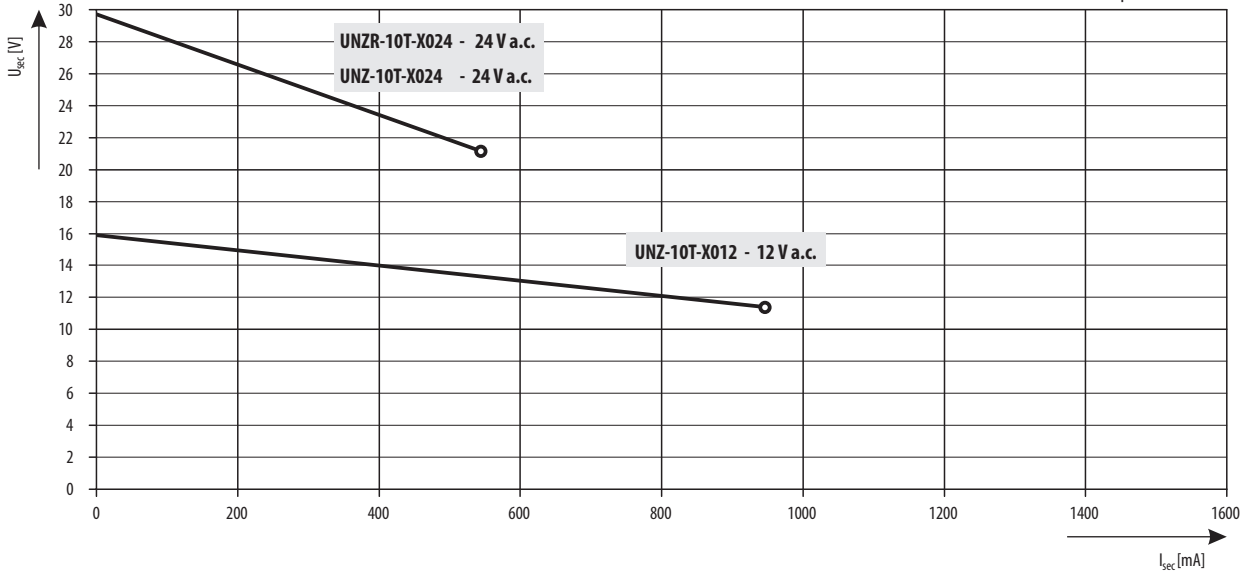
Characteristics

Load characteristic UTZ-4-A



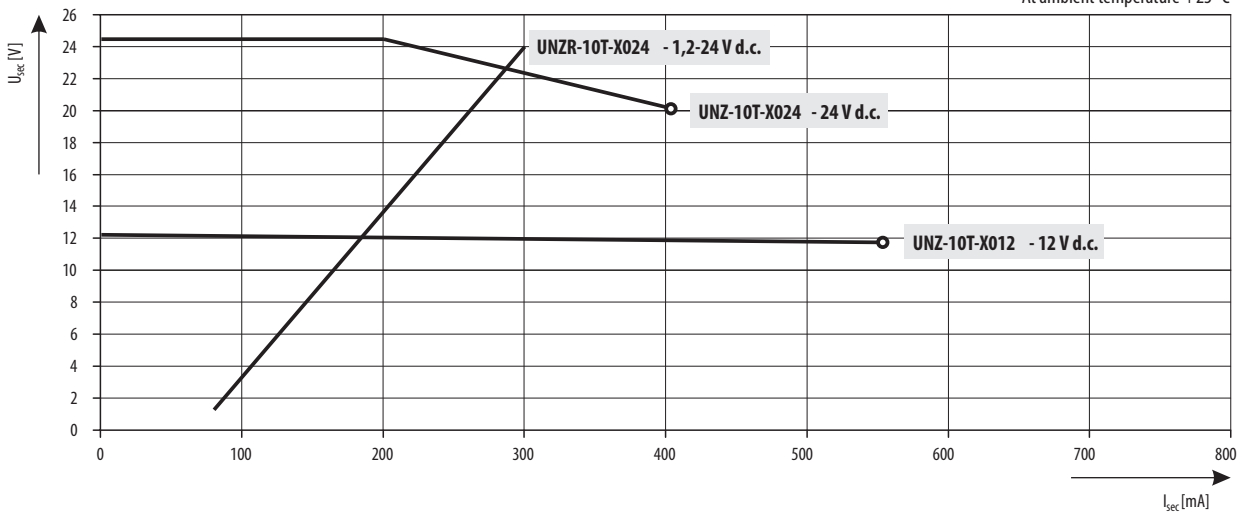
Load characteristic UNZ-10T-..., UNZR-10T-X024 - AC outlet

At ambient temperature +23 °C



Load characteristic UNZ-10T-..., UNZR-10T-X024 - DC outlet

At ambient temperature +23 °C



■ —○ I_{max}

- **Notice:** at simultaneous loading of both AC and DC outputs the sum of both power inputs must not exceed 8 VA!
- At overload the red indicator light LIM on the front panel of the device goes on. Output current will drop to approx. 100 mA.
- It is necessary to disconnect the load at the output to renew the function.