

**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 primary 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.	<b>UTZ-4-A</b>	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 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.	<b>UNZ-10T-X012</b>	35685	3	0.36	1
	24 V a.c. / d.c.	<b>UNZ-10T-X024</b>	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 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.	<b>UNZR-10T-X024</b>	35687	3	0.36	1

## POWER SUPPLIES

### Specification

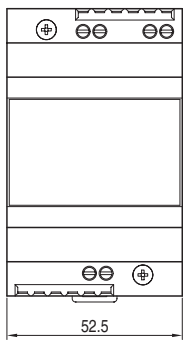
Type		UTZ-4-A	UNZ-10T-..	UNZR-10T-X024
Standards		EN 60742	EN 60742	EN 60742
Approval marks				
Power output		4 VA	10 VA <sup>1)</sup>	10 VA <sup>1)</sup>
Rated primary voltage	$U_{PRI}$	230 V a.c.	230 V a.c.	230 V a.c.
Rated secondary voltage AC <sup>2)</sup> / current	$U_{SEC} / I_{SEC}$	6 V a.c. / 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 <sup>2)</sup> / 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
<b>Connection</b>				
Cross-section		0.2 ÷ 2.5 mm <sup>2</sup>	0.2 ÷ 2.5 mm <sup>2</sup>	0.2 ÷ 2.5 mm <sup>2</sup>
Torque		0.5 Nm	0.5 Nm	0.5 Nm
<b>Other data</b>				
Mounting on "U" rail according to EN 60715 - type		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

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

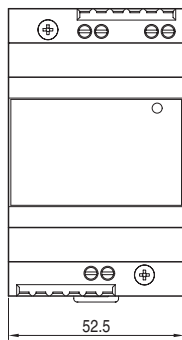
<sup>2)</sup> The transformers have a higher voltage at off-load connection. The shown voltages are those at rated load

### Dimensions

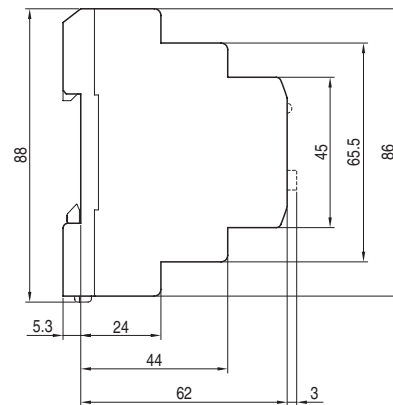
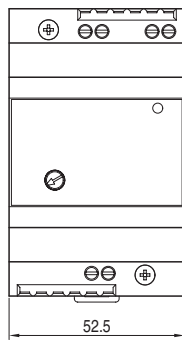
UTZ-4-A



UNZ-10T-..

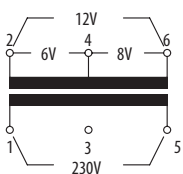


UNZR-10T-X024

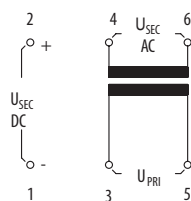


### Diagram

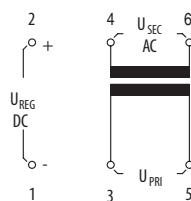
UTZ-4-A



UNZ-10T-..



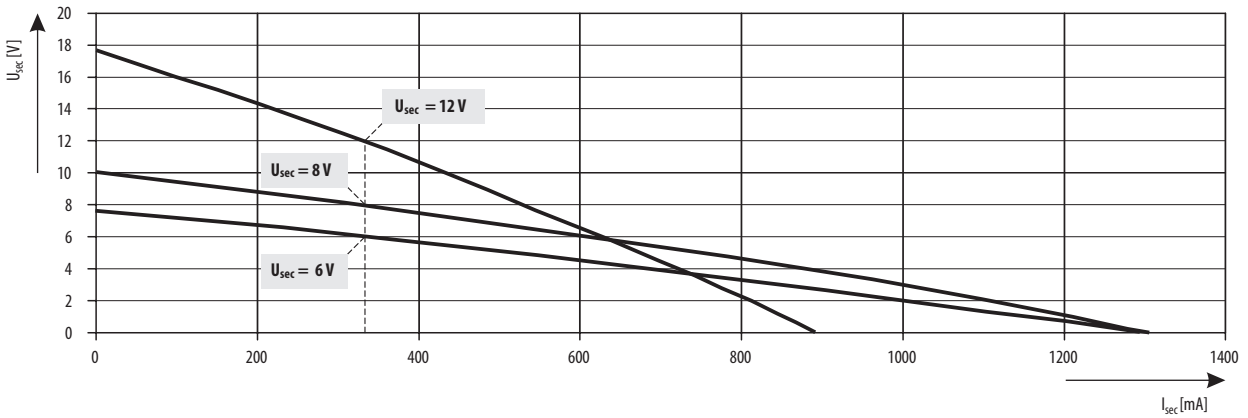
UNZR-10T-X024



# POWER SUPPLIES

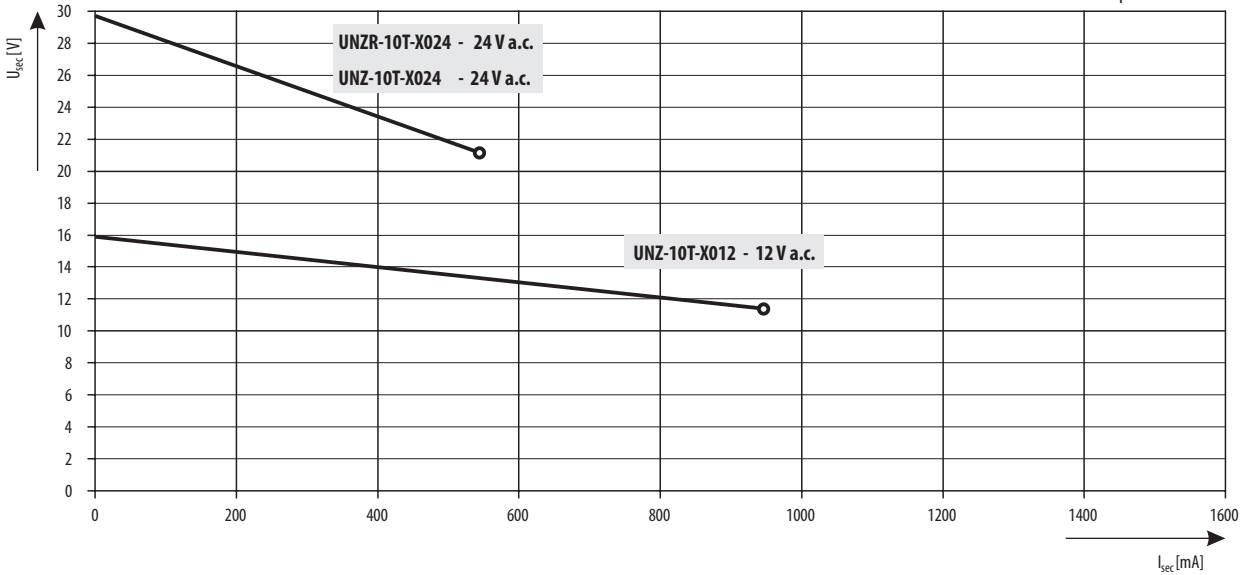
## Characteristics

Load characteristic UTZ-4-A



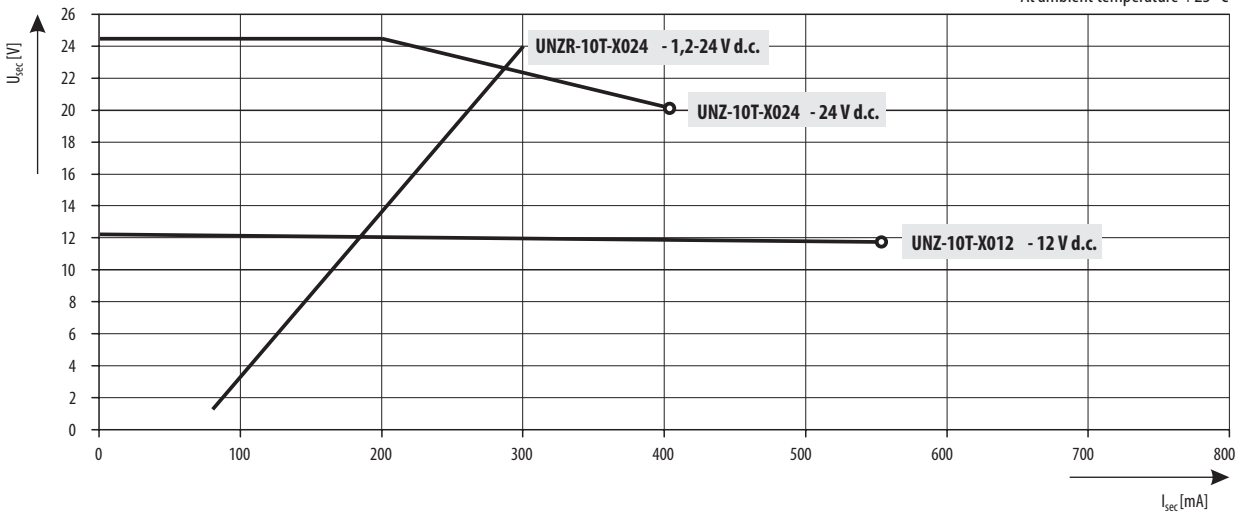
Load characteristic UNZ-10T-., UNZR-10T-X024 - AC outlet

At ambient temperature +23 °C



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

At ambient temperature +23 °C



■ —○ I<sub>max</sub>

- **Note:** 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.