

POWER SUPPLIES

Safety bell transformer TZ4

- 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, house telephones, auxiliary circuits of contactors, lighting, relays etc.
- The transformer is unconditionally short-circuit-proof; it withstand 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



- Protection of outputs by blocking capacitors against interference
- The transformers are equipped with voltage stabilisers

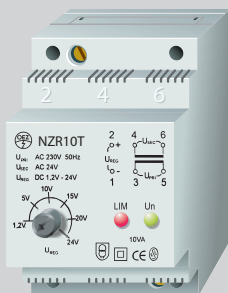
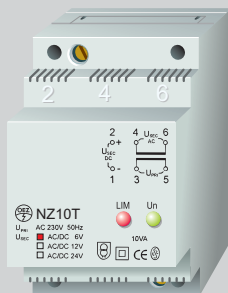
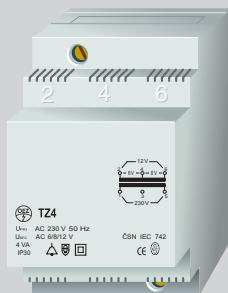


Safety controlled power supply NZR10T

Safety power supply NZ10T

- For safe isolation and power supply of circuits of the power input up to 10 VA with safe low voltage 6, 12, 24 V a.c./d.c.
- For power supply of door bells, house 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
- The current limitation is indicated by red LED on the front panel of the device
- The presence of U_{PRI} is indicated by green LED on the front panel of the device

- 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 controlled voltage $1.2 \div 24$ V d.c.
- For power supply of door bells, house 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
- The current limitation is indicated by red LED on the front panel of the device
- The presence of U_{PRI} is indicated by green LED on the front panel of the device
- Protection of outputs by blocking capacitors against interference
- The transformers are equipped with voltage stabilisers



Safety bell transformer

Rated voltage	Type	Product code	Weight [kg]	Packing [pcs]
U_{PRI} AC [V]	U_{SEC} AC [V]			
230	6, 8, 12	TZ4	0.49	1

Safety power supply

Rated voltage	Type	Product code	Weight [kg]	Packing [pcs]
U_{PRI} AC [V]	U_{SEC} AC i DC [V]			
230	6	NZ10T - 06	0.32	1
	12	NZ10T - 12	0.32	1
	24	NZ10T - 24	0.32	1

Safety controlled power supply

Rated voltage	Type	Product code	Weight [kg]	Packing [pcs]
U_{PRI} AC [V]	U_{SEC} AC / DC [V]			
230	24 / 1.2 ÷ 24	NZR10T	0.32	1

POWER SUPPLIES

Specification

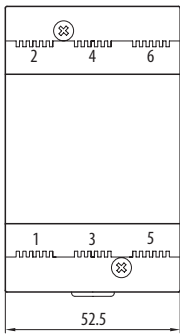
Type		TZ4	NZ10T	NZR10T	
Standards		EN 60 742 (35 1330) IEC 742	EN 60 742	EN 60 742	
Approval marks					
Power		4 VA	10 VA ¹⁾	10 VA ¹⁾	
Rated primary voltage	U_{PRI}	230 V a.c.	230 V a.c.	230 V a.c.	
Rated secondary voltage ²⁾ /current	AC	U_{SEC}/I_{SEC}	6 V a.c. / 0.33 A	6 V a.c. / 1.4 A	
		U_{SEC}/I_{SEC}	8 V a.c. / 0.33 A	12 V a.c. / 0.8 A	
		U_{SEC}/I_{SEC}	12 V a.c. / 0.33 A	24 V a.c. / 0.36 A	
	DC	U_{SEC}/I_{SEC}	-	6 V d.c. / 0.45 A	1.2 ÷ 24 V d.c. / 0.08 ÷ 0.3 A
		U_{SEC}/I_{SEC}	-	12 V d.c. / 0.4 A	-
		U_{SEC}/I_{SEC}	-	24 V d.c. / 0.2 A	-
Rated frequency	f_n	50 Hz	50 Hz	50 Hz	
Transformer	unconditionally short-circuit-proof	yes	yes	yes	
	safety protective	yes	yes	yes	
	design - Class II	yes	yes	yes	
Protection (built-in)		-	PTC thermistor	PTC thermistor	
Light indication	current limitation	-	red LED	red LED	
	presence of U_{PRI}	-	green LED	green LED	
Connection		0.75 ÷ 2.5 mm ²	0.75 ÷ 2.5 mm ²	0.75 ÷ 2.5 mm ²	
Mounting	on the rail DIN EN 50 022 - width	35 mm	35 mm	35 mm	
	by means of screws onto the plate	2x M3	2x M3	2x M3	
Degree of protection		IP30	IP20	IP20	
Ambient temperature		-10 ÷ +35 °C	-10 ÷ +35 °C	-10 ÷ +35 °C	
Seismic immunity (8÷50 Hz)		-	3 g	3 g	
Operating 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

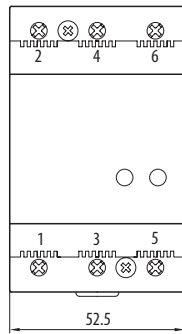
²⁾ The transformers have a higher voltage at off-load connection. The shown voltages are those at rated load

Dimensions

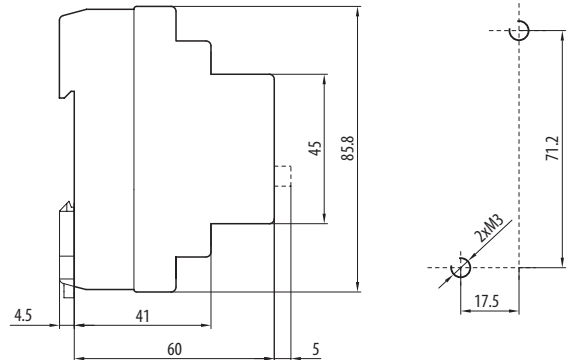
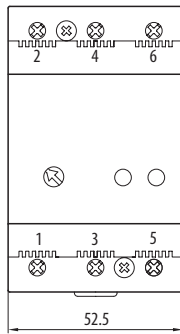
TZ4



NZ10T

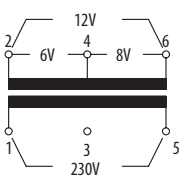


NZR10T

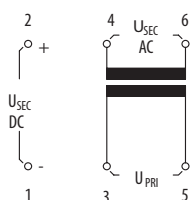


Diagram

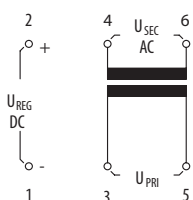
TZ4



NZ10T



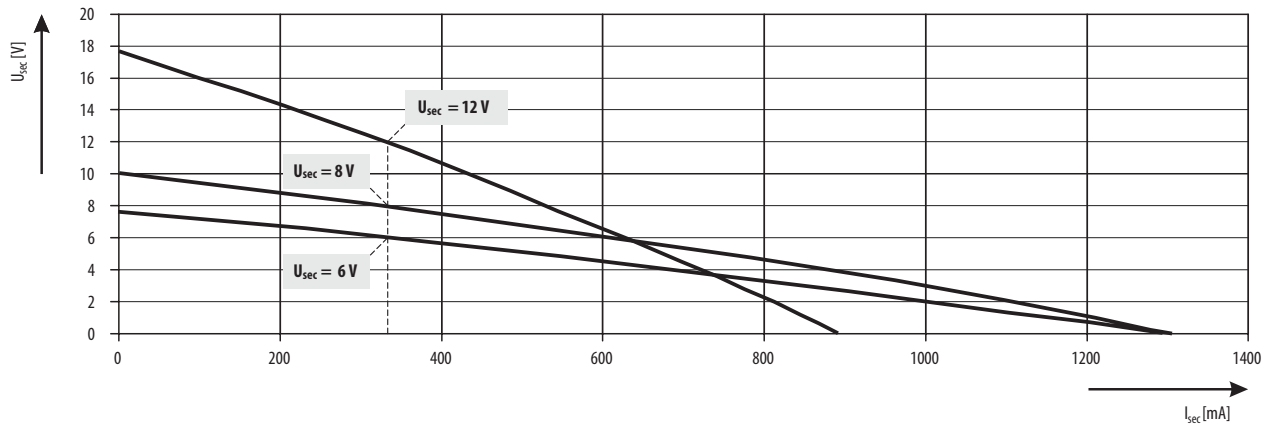
NZR10T



POWER SUPPLIES

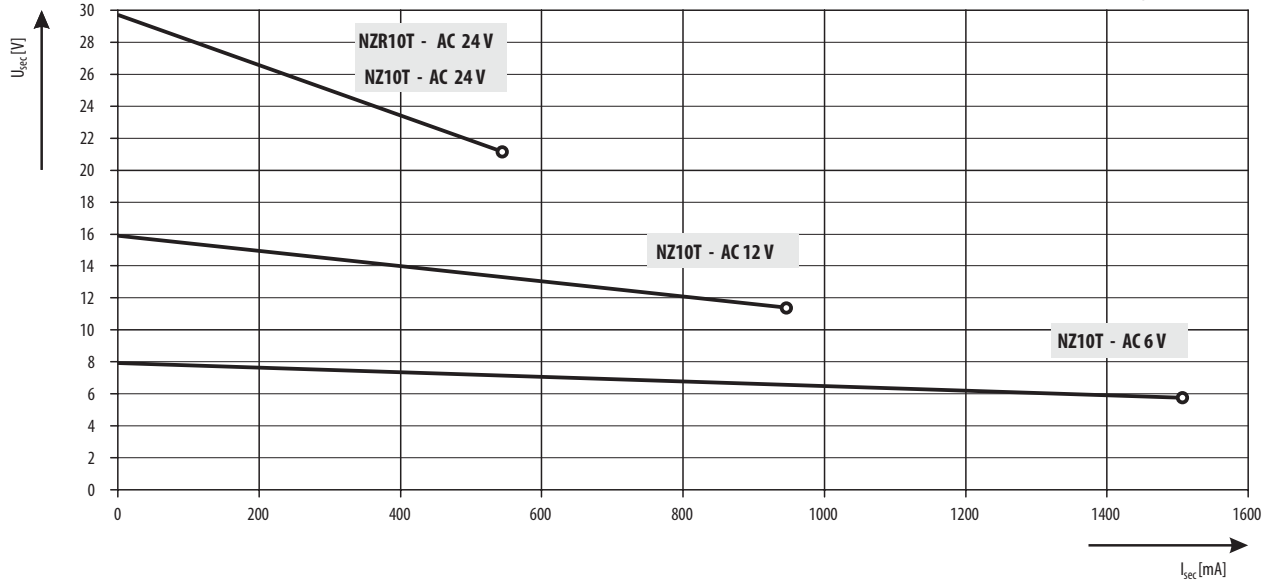
Characteristics

Load characteristic TZ4



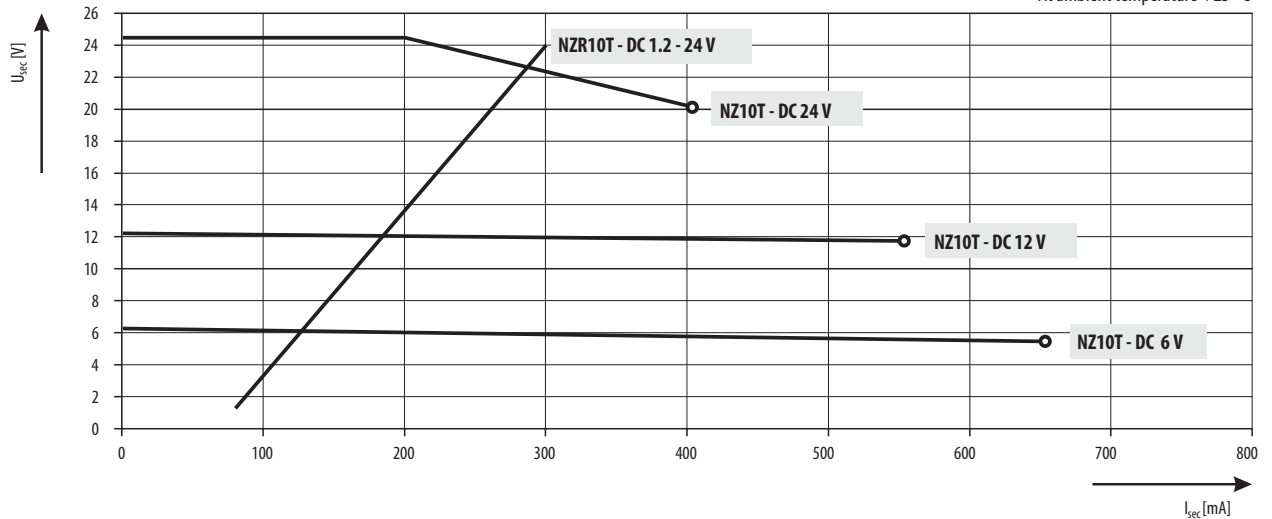
Load characteristic NZ10T, NZR10T - AC output

At ambient temperature +23 °C



Load characteristic NZ10T, NZR10T - DC output

At ambient temperature +23 °C



- —○ I_{max}
- **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. The output current is reduced to approx. 100 mA.
- For function reset it is necessary to disconnect the load at the output.