POWER WIRE RESISTOR PWR-X

The PWR-X is a ready-to-install assembly consisting of several cemented wire tube resistors. Six different housing sizes are available, covering power ratings from 400 to 6,000 watts.

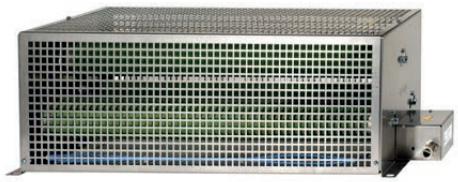
Optionally, we offer a suitable temperature switch for each power rating.

Advantages
– High pulse load capacity
– Robust design
– Customized pre-wiring possible

Application Examples
– Braking resistor in drive and automation technology
– Grounding resistor
– Protective resistor



PWR-1TR 307S to 6TR 308S



PWR-1TR 320S to 3TR 320S

Electrical data	
Resistance Range	Freely selectable, see table
Tolerances	±10 % (R = 1 – 5 Ω) Further values on request
Temperature coefficient	±150 ppm / °C
Testing voltage	1500 VAC

Mechanical data	
Dimensions	See table
Mounting positions	See drawing

Environmental data	
Operating temperature	80 °C
Storage temperature	-40 °C to +60 °C
Protection level acc. to IEC 60529	IP 20

Overview

Type PWR-X	Nominal load at 25 °C with cooling W	Operating voltage V	Resistance range Min. Ω	Resistance range Max. Ω	Adiabatic impulse* kJ max.	Width A mm	Length D mm	Height B mm	Length C mm	Drilling dimension x mm	Drilling dimension y mm	Weight g
1TR 307S	400	600	1R5	160k	15 – 0.1	94	375	105	275	50	342	1900
1TR 308S	500	600	2R0	200k	21 – 0.2	94	435	105	335	50	405	2100
2TR 307S	800	600	0R8	320k	30 – 0.2	166	375	105	275	122	292	2800
2TR 308S	1000	600	1R0	400k	42 – 0.4	166	435	105	335	122	355	3100
4TR 307S	1600	600	0R4	640k	60 – 0.4	166	375	177	275	122	292	4600
4TR 308S	2000	600	0R5	800k	84 – 0.8	166	435	177	335	122	355	5200
6TR 308S	3000	600	0R4	1M2	126 – 1.2	238	435	177	335	194	355	7100
1TR 320S	2000	250	6R2	180k	67 – 0.5	170	780	120	706	155	685	5500
2TR 320S	5000	450	3R1	360k	134 – 1.0	185	815	250	740	155	712	11000
3TR 320S	6000	800	2R1	540k	201 – 1.5	327	847	183	737	300	712	13200

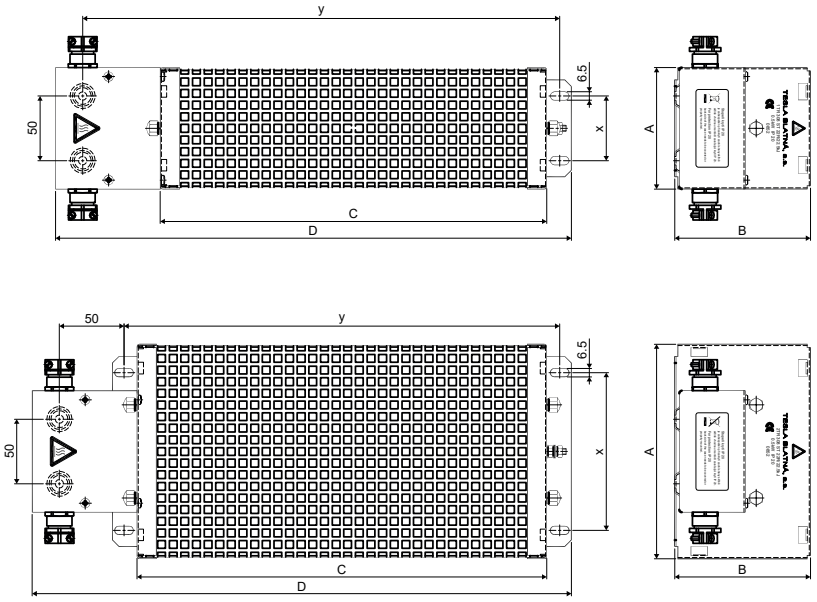
Mechanical tolerances acc. to ISO 2768-m

* The pulse energy depends on the resistance value. As a general rule, the lower the resistance value, the higher the energy.

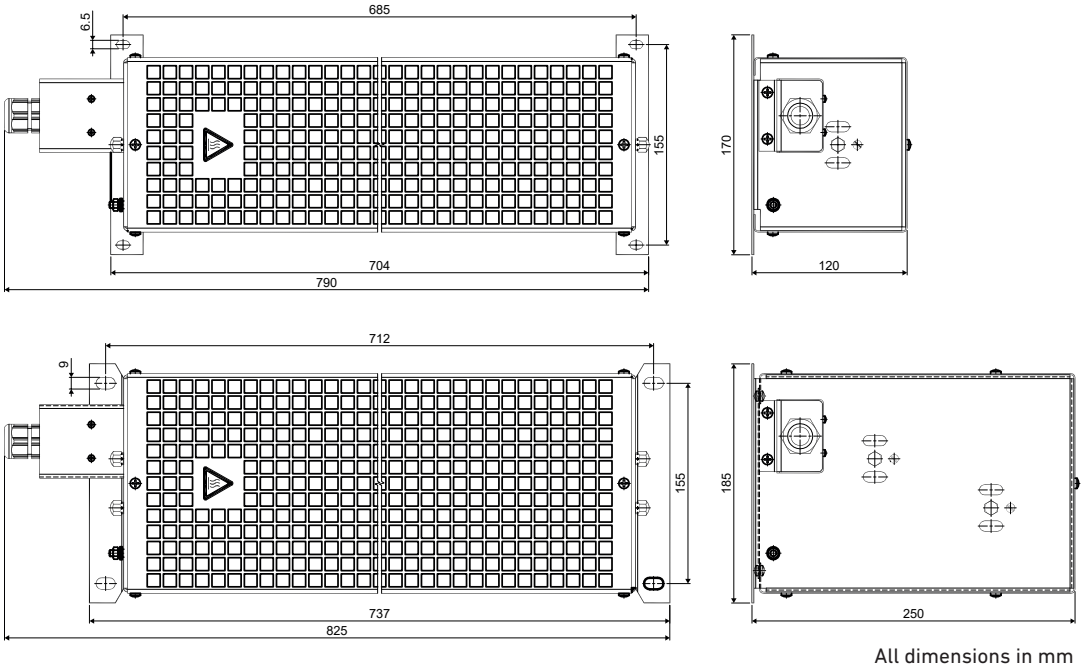
Temperature switch optionally available

POWER WIRE RESISTOR PWR-X

PWR-1TR 307S to 6TR 308S



PWR-1TR 320S to 3TR 320S



All dimensions in mm

Metallux cannot picture the customer's operating and application conditions and the customer's existing environmental influences.
We therefore recommend that you carry out your own investigations into the planned use of the products under the actual operating conditions.

We continuously improve our products and also update our data sheets regularly. In this respect, there may be changes in the specification.
These changes will apply to orders received by us from the time of the update, unless otherwise agreed.

Our products comply with Directive 2011/65/EU (RoHS) including Directive 2015/863/EU and Regulation (EC) No. 1907/2006 (REACH).