

# Meets the requirements of the energy sector

Tufvassons has a wide range of transformers and over fifty years' experience of making them ourselves. We offer power supply for environments that set high requirements on isolation and safety, the energy sector for example. We help you to make the correct choice, and if you need a product that is not available, we ensure it is made.



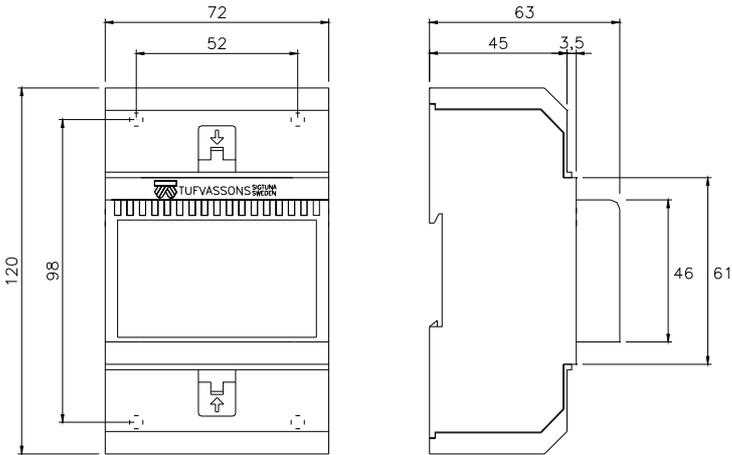
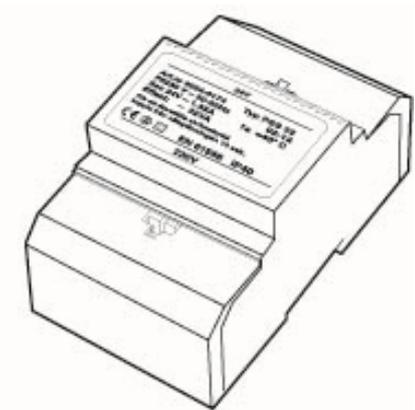
## When there are especially high requirements for isolation

The transformer is used when there are greater demands on isolation between mains voltage and safety extra-low voltage than normal. It fulfils isolation category III (>4kV), has protective separation between the primary and secondary windings and is adapted for supplying SELV- and PELV systems. The output voltage is stable and the transformer is ideal for distribution boards and standard enclosures with four modules. Naturally, the product also has short-circuit and overload protection, as well as complying with the insurance companies' requirement for self-extinguishing plastic in the housing.

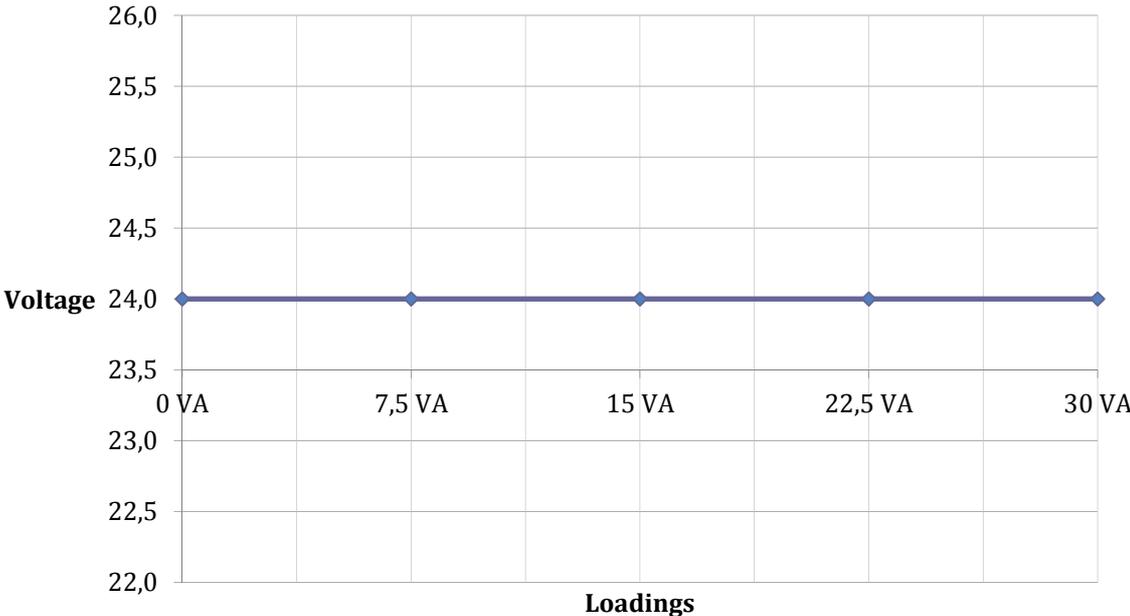
<b>Type:</b>	<b>PSLR 30</b>	
<b>Part. no.:</b>	<b>8924-0001</b>	<b>E-number: 52 142 54</b>
<b>Input voltage:</b>	180-264V, 47-63 Hz	N - L
<b>Output voltage:</b>	24 V dc	
<b>Rated power:</b>	30 VA (1,3A)	
<b>Standby:</b>	< 0.3 W	
<b>Linearity:</b>	< 0.1 % at $\pm 10\%$ input voltage variation	
<b>Ripple:</b>	200 mV <sub>tr</sub>	
<b>Efficiency:</b>	> 80 %	
<b>MTBP:</b>	50,000 h at 70 % load at 25°C	
<b>Weight:</b>	0.17 kg	
<b>Encapsulation class:</b>	IP40	
<b>Insulation class:</b>	4.2 kV	
<b>Ambient temperature:</b>	max. 40 °C	
<b>Design:</b>	<ul style="list-style-type: none"> <li>- Transformer potted in hard-setting plastic, with grey encapsulation made from impact resistant, self extinguishing thermoplastics.</li> <li>- Double insulated (earth connection not required).</li> <li>- Short circuit and overload protection.</li> <li>- Primary terminal 2-pole 2.5 mm<sup>2</sup> max. torque 0.25 Nm.</li> <li>- Secondary terminal 2-pole 2.5 mm<sup>2</sup> max. torque 0.25 Nm.</li> </ul>	
<b>Mounting:</b>	Snap fastening on 35 mm DIN-rail in cubicle or standard box, alternatively wall mounting with screw.	
<b>Manufacturing standard:</b>	Security:	EN 61558-1; EN 61558-2-16
	Emissions:	EN 61,000-6-3
	Immunity:	EN 61,000-6-2
<b>Other information:</b>	If required for the installation in question, the transformer must be connected by an all-pole switch in permanent installations.	



# Product illustration



# Loading diagram



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