

DC/DC converter

DC 750V/24V or 28V

DCW120/150

DC/DC converter DC 750V/24V or 28V

Description:

The type DCW120 is a high voltage DC/DC converter. The DCW120 working with a nominal input voltages from DC 600V to DC 750V traction current system. It is normally used to supply control equipment with the necessary supply voltage (DC24V) or to charge lead accumulators (DC 28V).

The DCW120 was designed for low power applications with power consumption less than 120 Watt that correspond to a current of max. 5A (24V) or 4.3A (28V), the DCW150 was designed for a max. current of 6,2A (24V) or 5,3A (28V).

The DCW120/150 was designed as a switch controller with modern SMD technology. The control signals are transmitted via high voltage opto copplers. The internal transformer works efficient. On this way the galvanic separation between high and low voltage side is provided.

The DCW120/150 working area is about DC 420V to DC 1050V. If the voltage exceed 1050V or fall under 420V the DCW120/150 switched off automaticly. If the input voltage come back to the working area it restarts automaticly.

The input is saved by a 1,2kV / 500mA DC fuse. The output side is short circuit

protected.

To guarantee working after switch on the DCW120/150 the output is switched on by a time delayed (about 2s).

A green LED indicator shows working of DCW120. The LED should not puls or flicker. If do so switch off immediately! In this case the DCW120 doesn't work properly.

Inside of the DCW120/150 is installed an independent working overtemperature sensor.

Please see the complete range of brochures for further DC/DC converters.



Technical data

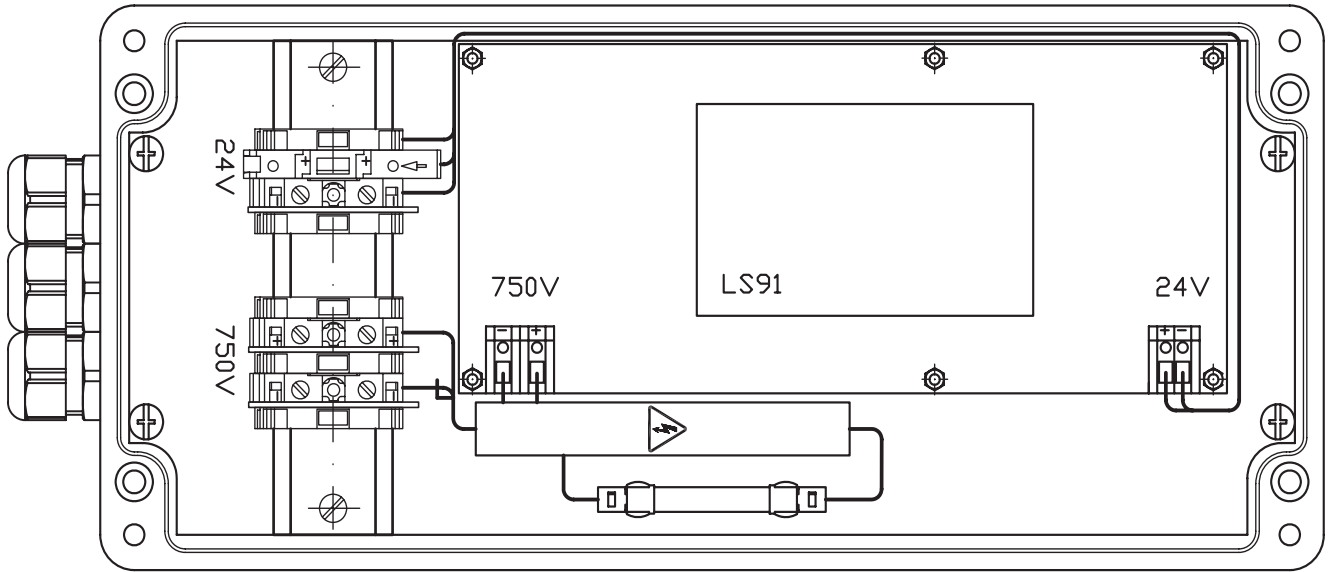
Dimensions	W/H/D 125/103/102 mm
Casing	Polycarbonate with GF, black
Mounting	screw mounting on mounting plate or pole mounting
Protective system	Casing: IP 65; terminals IP: 10
Ambient temp.	-20° C to + 50° C
Connections	3 glands M20 x 1.5 mm, screw terminals for input- and output voltage
Supply terminals	terminal +; terminal -
Output terminals	terminal +, terminal -
Input voltage	DC 750 V -30% to +20%; Umax: DC 1050V
Output voltage	DC 24V, max. 5A (120W), max. 6,2A (150W)
Overtemperature sensor	Output voltage is switched on time delayed (about 2s) switched off if temperature exceeds 85°C
Indicator	1 green LED for converter working
Test voltage	4 kV _{eff}

Ordering Information

Type	Part No.
DCW120-24V	770240
DCW150-24V	770210
DCW150-28V	770223

DCW120/150

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DC/DC converter for general control application

