

Product description:

The socket module MNZ01 was developed specially for rail vehicles. It is used to supply small electronic devices (laptops, tablets, mobile phones etc.) with 230 V AC or with 5 V DC from the USB port. The module is intended for installation in a vertical wall.

The base of the module MNZ01 is a front panel made of anodized aluminium sheet. Two 230 V AC SCHUKO type sockets are placed in this panel. The 5 V power source is fixed on the rear side of the panel. The USB outlets are parts of this power supply, they are accessible by slotted holes in the front panel. The USB outlets are individually protected by reversible fuses (the output goes off when overloaded). The functionality of the USB outlets is indicated by green LEDs that illuminate the insulation rim around the outlets.

Technical parameters:



Type	MNZ01/A
Working conditions	
Use of the product	rail vehicle, conditions according to ČSN EN 60077-1
Supplying voltage	230 V AC (± 10%) / 50 Hz
Ambient temperature - operation	-25 °C to +50 °C (T1 according to ČSN EN 50125-1)
Ambient temperature - storage	-40 °C to +70 °C
Shock and vibrations	category 1, class A (according to ČSN EN 61373)
Coverage (after installation)	IP20D (SCHUKO sockets), IP20 (USB outlets)
Electrical parameters - 230 V AC / 50Hz circuit	
Type of sockets	SCHUKO
Number of sockets	Acc. to the variant
Permissible current load of sockets	10 A (may be limited by previous protections)
Electrical connection	screw terminals of sockets (recommended cross section 1,5 mm ²)
Electrical parameters - USB 5 V DC circuit	
Type of the power supply	BUP01/A
Dielectric strength (input - output)	3000 V (according to ČSN EN 60950-1)
Type of sockets	USB A
Number of sockets	Acc. to the variant
Permissible current load of sockets	1,25 A
Overload protection	reversible fuse for each outlet
Signalisation	green LED for each outlet
Mechanical specifications	
Mounting position	installation in a vertical wall
Dimensions	Acc. to the variant
Weight	Acc. to the variant

The quality of the production is guaranteed by adherence to the produceres for quality management system according to DIN EN ISO 9001:2010. The produkt has been designed in accordance with the principles of functional safety.