



MRX.pwr, 24V, 160W

Sales-ID: 2302-4201

Charging power supply for MRX.battery and power supply for cabin devices from MRX.CraneRadio

- x Universal AC input (80 .. 265VAC)
- x Wide operating range (-40 .. +80°C)
- x Fanless design
- x Highly efficient and economical
- x Low power consumption in idle mode
- x Robust aluminium housing design
- x IP66 protected



MRX.pwr is a powerful AC/DC converter with 24V output and guaranteed output power over the entire temperature range. The device serves as a supply and charging unit for MRX.battery and the cabin devices from MRX.KranFunk.

MRX.pwr is available in two versions, which differ in terms of maximum output power. With the high-power version MRX.pwr-high, the fast charging mode of MRX.battery can be used, which enables a much shorter charging time (3h vs 9h).

Electrical connections

MRX.batt charging socket "C" (25,2VDC)"

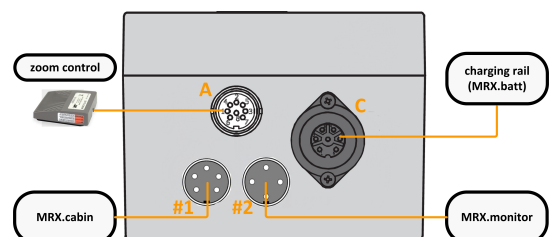
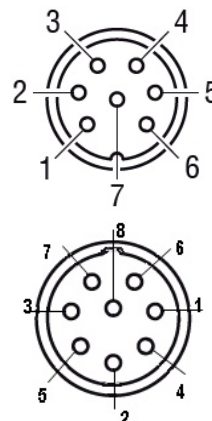
Pin 1	24 VDC, output max. 6.5A
Pin 2	0 VDC, output
Pin 3-7	unused

Supply and control connection "A"

Pin 1	24 VDC, output max. 2A
Pin 2	0 VDC, output
Pin 6,7	Control signals, zoom
Pin 3-5, 8	unused

The two type 'A' connections are identical and there is no priority.

The pinning is designed so that either MRX.oca or the Zoom pedal can be connected. Both devices (MRX.oca and pedal) have the same plug for type 'A'.



Power Supply

CEE 7/7, type E/F AC plug, 2.0 m cable

Technical specifications

Electrical properties

■ Input

- ↪ Voltage: 80 - 264VAC;
50Hz
- ↪ Max. current
3.0A@115VAC
1.1A@230VAC
- ↪ Int. fuse:
2x T6.3A, slow-blow
- ↪ Ext. fuse additionally:
6A@115VAC /
3A@230VAC
- ↪ Plug: CEE 7/7, type E/F,
angled
- ↪ Cable length 2.0m

■ Output socket 2

- ↪ 7-pin socket for battery
charging
- ↪ Voltage: 24V
- ↪ Max. power:
144W@115VAC
160W@230VAC
- ↪ Efficiency: 92%
- ↪ Power vs. temp.:
see derating graph
- ↪ Charging time MRX.batt:
max. 7h

■ Input/output socket

- 3a and 3b
- ↪ 2x 8-pin sockets for power
and control signals
- ↪ Identical behavior on both
sockets
- ↪ MRX.oca (TK)
- ↪ Voltage: 24V
- ↪ Max. power: 50W
- ↪ Zoom control:
2 lines (ZoomIn,
ZoomOut)

Mechanics

- ↪ 200x120x220mm (BxHxD)
- ↪ Weight: 2.5kg
- ↪ Protection: IP66

Environment

- ↪ Operation: -40 .. 80°C
- ↪ Storage: 0 .. +40 °C
- ↪ Rel. humidity:
20-90%, non cond.

Certifications

- ↪ CE, eMark regulations
- ↪ RoHS, REACH
- ↪ IEC62368-1:2014;
IEC61558-1:2005;
EN55032:2015;
EN55024:2010;
IEC/EN61000-4-x

