



MRX.oca (TK)

Sales ID: 2101-9001

Connection set for MRX.CraneRadio on tower cranes

x Very easy installation and connection

x Pre-assembled cables

x All devices in the cabin can be directly connected and powered

x Reuse of existing installation

x Additional zoom control can be connected



MRX.oca (TK) acts as an adapter and connection set between an existing AC power box (power supply unit) and the MRX.CraneRadio components on a tower crane.

Very quick installation using the attached or supplied cables. Incorrect connection of the cables is prevented by different coding of the plugs, which contributes to safety during installation.

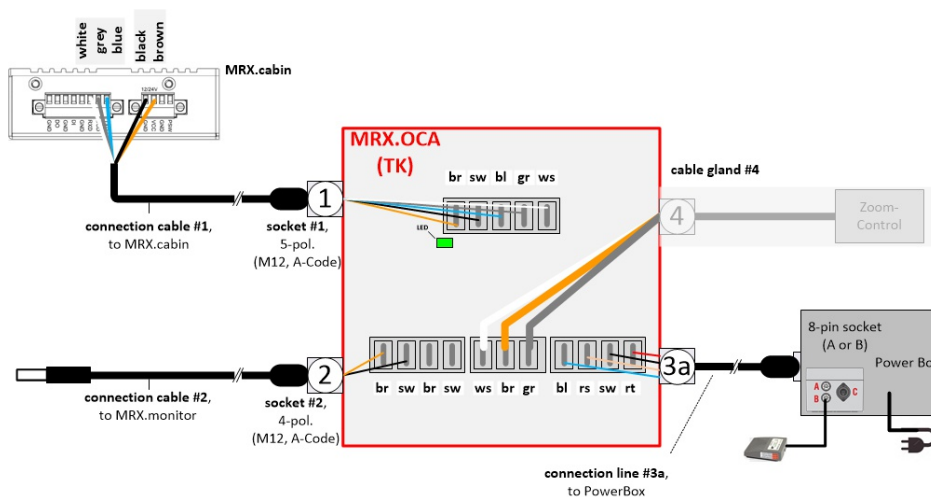
MRX.oca (TK) can be mounted using MRX.mountingPlate or directly in the cab.

Introduction

The connection is made to a power supply unit, e.g. Orloco's PowerBox, which generates the necessary DC voltage. The supply voltage is split accordingly for MRX.cabin and MRX.monitor.

If a zoom pedal is connected to the PowerBox, the commands are forwarded to MRX.cabin via MRX.oca (TK). Alternatively, a zoom controller can be connected directly to MRX.oca (TK), which must be connected to terminal strips.

Connections



Technical specifications

Overview

- Central connection unit for MRX.KranFunk in tower cranes

Interfaces

- 1x connection for MRX.cabin
 - ↪ 5-pin socket (M12/5, A-Code)
 - ↪ Connection cable included: 2.0m
 - ↪ Pin assignment "1"
- 1x PowerOut Monitor
 - ↪ Power supply MRX.monitor
 - ↪ 4-pin socket (M12/4, A-code)
 - ↪ Connection cable included: 5.0m
 - ↪ Pin assignment "2"

- 1x PowerIn with zoom control
 - ↪ Connection to Orlaco PowerBox (230 VAC zu 24 VDC)
 - ↪ 8-pin. plug
 - ↪ Cable length 5.0m
 - ↪ Pin assignment "3"
- Zoom pedal (Zoom-In, Zoom-Out, Common)
 - ↪ Optional connection for zoom control
 - ↪ 3-pin connection
 - ↪ Pin assignment "4"

Physics

- Fanless
- Weight: 0.3kg
- Dim: 115x55x85mm (BxHxD)
- Housing: Plastic
- Mounting:
 - ↪ Wall mounted

Power

- Power Supply:
 - ↪ DC: 12-24VDC
- Power Consumption
 - ↪ <0.5W

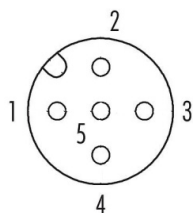
Environment

- Operation: -40 .. +85°C, ambient w/air
- Storage: -40 .. +85°C
- Rel.humidity: 5-95%, non-cond.

Certificates

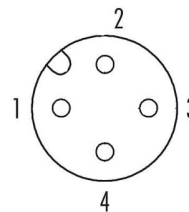
- CE, eMark regulations
- RoHS

Pin assignments



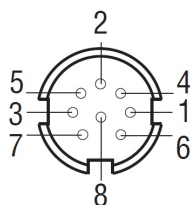
Socket #1:

- 1: DCout (=DCin)
- 2: Zoom (in)
- 3: Zoom (common)
- 4: GND (=0VDC)
- 5: Zoom (out)



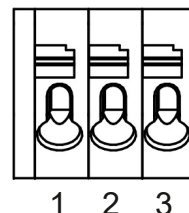
Socket #2:

- 1: DCout (=DCin)
- 2: -
- 3: -
- 4: GND (=0VDC)



Plug #3a:

- 1: DCout (=DCin)
- 2: GND (=0VDC)
- 3: -
- 4: -
- 5: -
- 6: Zoom (in)
- 7: Zoom (out)
- 8: -



Connector #4:

- 1: Zoom (common)
- 2: Zoom (out)
- 3: Zoom (in)

