



1 Safety

The present installation instructions support safe installation of the PowAirBox coupling for use after the intended application:

The PowAirBox coupling serves as a separable connection component between a stationary supply network and a PowAirBox. The PowAirBox is a plug-in system for feeding current and compressed air to emergency vehicles.

Observe the safety instructions:

DANGER! Electric shock due to short circuit: Before operating, make sure there are no open or damaged cables. Replace defective parts or damaged cables immediately.

WARNING! Risk of burns due to cable fire: Only use the device within the specified voltage limits. (250 V/16 A)

NOTE! Reverse polarity can damage the unit: Before operating, make sure that all cables are connected correctly.

2 Package contents

Component	No.
PowAirBox coupling, assembled and coded according to type and voltage	1 x

3 Coupling structure



Fig. 1: PowAirBox coupling

1	Combination cable	2	Coupling socket
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4 Installation

Notice

Device defect due to faulty ejection

A jammed or blocked coupling can lead to incomplete automatic ejection and, as a result, to the combination line being torn off when the vehicle is driven off and to damage to the coupling and the PowAirBox.

1. When plugging in, make sure that the combination line hangs loosely and is not taut.
2. Do not use cable winders or similar for the combination line.
3. Do not hang any objects or items of clothing on the coupling or combination line.
4. Make sure that there is always enough space to eject the coupling.

To install the coupling, proceed as follows:

NOTE! The auxiliary contacts the coupling are bridged at the factory in order to establish a start locking mechanism.

1. Connect the cables of the PowAirBox combination line to the power distribution of the vehicle depot (see Pin Assignment).
2. Connect the compressed air line of the PowAirBox combination line to the compressed air distribution of the vehicle depot.
⇒ The coupling is installed.

5 Pin assignment

Depending on the type of PowAirBox, the wires of the combination line are marked as follows:

Wire	Type A (with compressed air)	Type B (without compressed air)
L1 230 V (+12/+24 V)	Digit "1"	Brown
N 230 V (ground 12/24 V)	Digit "2"	Blue
PE	Yellow/green	Yellow/green