

# AIRTRONIC D4 Wiring Diagrams for EasyStart Timer & EasyStart Select



## Airtronic

## Order no.

Airtronic D2, 12 V  
Airtronic D2, 24 V

25 2069 05 00 00  
25 2070 05 00 00

## Complete Airtronic D2 package

12 V with EasyStart Select  
24 V with EasyStart Select

25 2675 05 00 00  
25 2676 05 00 00

## Airtronic M

## Order no.

Airtronic B3 Plus, 12 V  
Airtronic B4, 12 V  
Airtronic D3, 12 V  
Airtronic D4, 12 V  
Airtronic D4, 24 V

20 1944 05 00 00  
20 1812 05 00 00  
25 2317 05 00 00  
25 2113 05 00 00  
25 2114 05 00 00

Airtronic D4 Plus, 12 V  
Airtronic D4 Plus, 24 V

25 2484 05 00 00  
25 2498 05 00 00

**Air heater for diesel and petrol  
operating independently of the engine.**



**Eberspächer**

**A world of comfort**

## 5 Electrical system

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### Heater wiring

The electronic control box is integrated in the heater, which considerably simplifies the wiring required during installation.



#### Caution!

#### Safety instructions for wiring the heater!

The heater is to be connected up electrically according to the EMC directives.

EMC can be affected if the heater is not connected up correctly. For this reason, comply with the following instructions:

- Ensure that the insulation of electrical cables is not damaged. Avoid: chafing, kinking, jamming or exposure to heat.
- In waterproof connectors, seal any connector chambers not in use with filler plugs to ensure they are dirt-proof and water-proof.
- Electrical connections and ground connections must be free of corrosion and firmly connected.
- Lubricate connections and ground connections outside the heater interior with contact grease.

#### Please note!

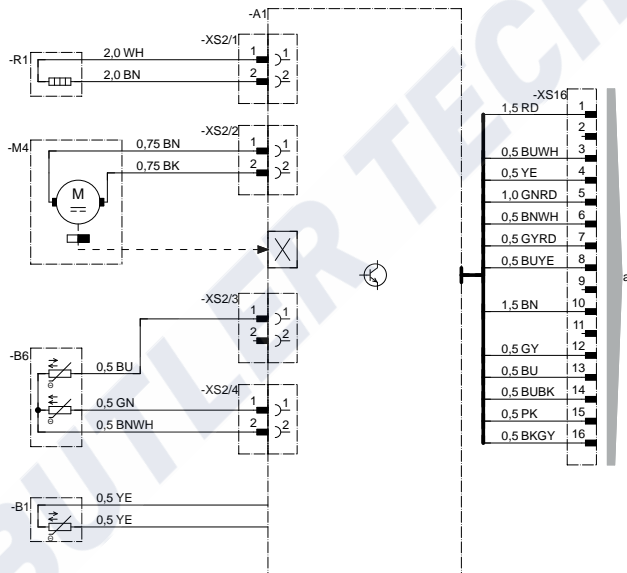
Comply with the following when wiring the heater and the control element:

- With the appropriate electrical wiring, the heater fulfils the ADR regulations; please refer to the circuit diagrams at the end of this document.
- Electrical leads, switchgear and controllers must be arranged in the vehicle so that they can function perfectly under normal operating conditions (e.g. heat exposure, moisture etc.).
- The following cable cross sections are to be used between the battery and heater. This ensures that the max. tolerable voltage loss in the cables does not exceed 0.5 V for 12 V or 1 V for 24 V rated voltage.  
Cable cross sections for a cable length of (plus cable + minus cable):
  - up to 5 m = cable cross section 4 mm<sup>2</sup>
  - from 5 to 8 m = cable cross section 6 mm<sup>2</sup>
- If the plus cable is to be connected to the fuse box (e.g. terminal 30), the vehicle cable from the battery to the fuse box must be included in rating the overall cable length and possibly re-dimensioned if necessary.
- Insulate unused cable ends.

## 5 Electrical system

### Airtronic / Airtronic M

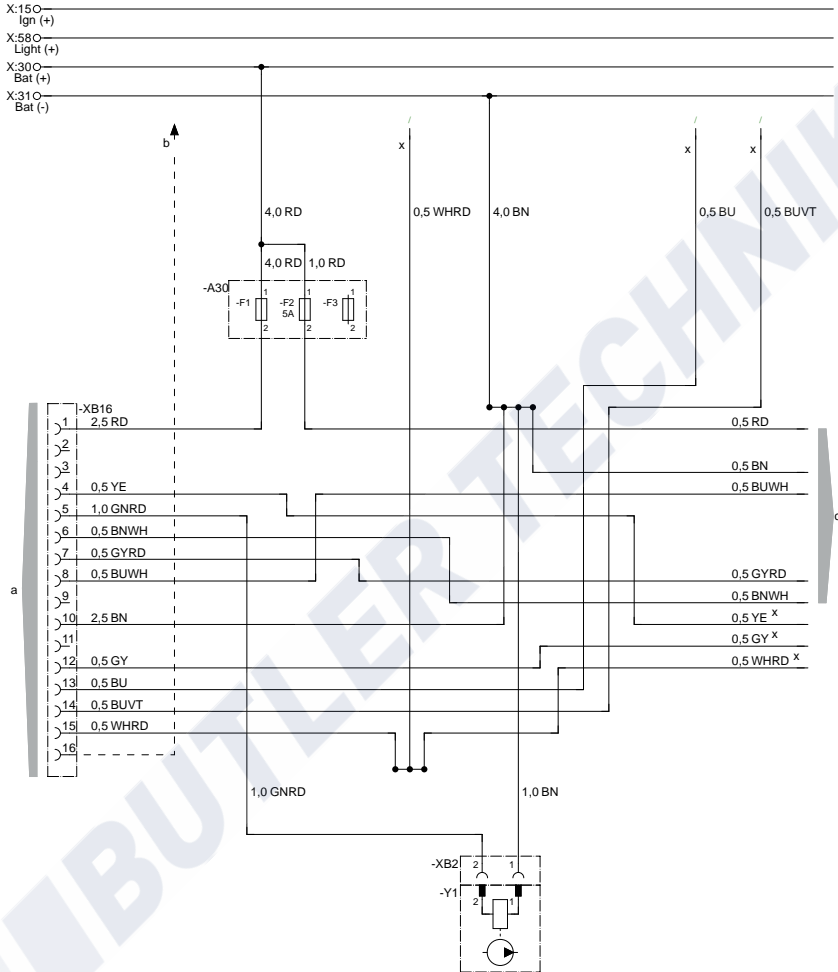
X:15	Ign (+)
X:58	Light (+)
X:30	Bat (+)
X:31	Bat (-)





5 Electrical system

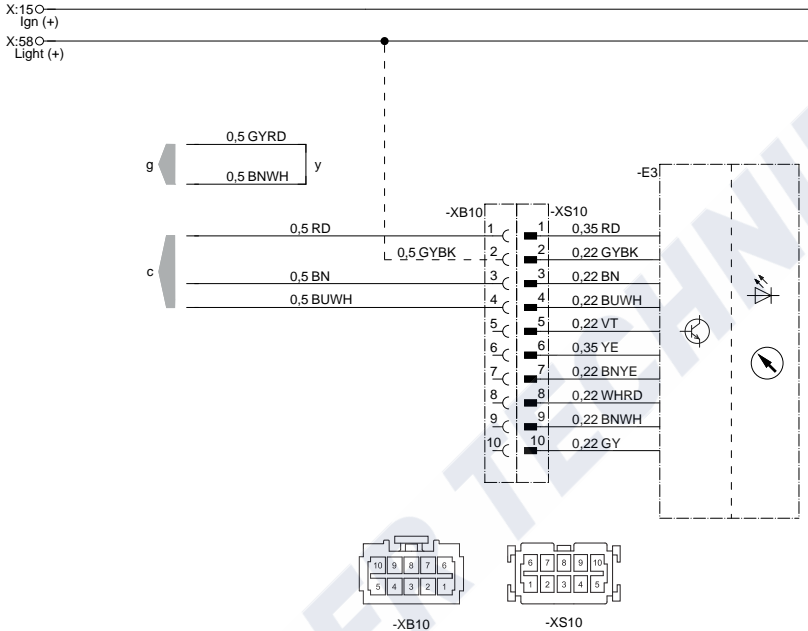
Airtronic / Airtronic M





**5 Electrical system**

**Circuit diagram EasyStart Timer**



22 1000 34 97 20

**Cable colours**

E3 EasyStart Timer Timer  
 c to the heater  
 g to the heater  
 y Connect cables and insulate

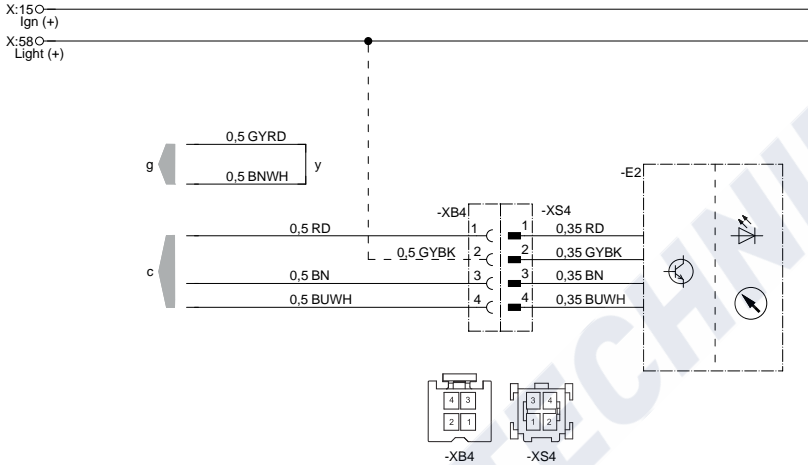
RD = red  
 BU = blue  
 WH = white  
 GY = grey  
 YE = yellow  
 VT = violet  
 BK = black  
 GN = green  
 BN = brown





**5 Electrical system**

**Circuit diagram EasyStart Select**



25 2361 00 97 05 B

**Cable colours**

E2 EasyStart Select  
 c to the heater  
 g to the heater  
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RD = red  
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**Please note!**

- For heater circuit diagrams see page 34 and 35.
- Further circuit diagrams for the EasyStart Select are printed in the Installation Instructions Plus, these are available to view and download from the Service Portal.