

**Wiring diagrams**

● The wiring diagrams are assigned to the familiar function groups 00-91. The systems are listed alphabetically with an indication of the function group/ function subgroup in the "Search aid for all wiring diagram groups"  
OV00.01-P-1901FAA or A3 (paper version) to facilitate finding individual wiring diagrams.

● The wiring diagrams are filed in the respective function group arranged according to the PE number,  
e.g.: PE07.16-P-2101FAA  
PE07.16-P-2101FAB

To check the completeness of the volume the sequence of the wiring diagrams filed can be seen from the lists of contents of the respective function group. For supplements the wiring diagrams should be filed as per the supplement sheet.

e.g.: PE07.00-P-1100FAA Overview of wiring diagrams....

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● The versions identified with the abbreviated designation "U..." are listed in the legends. Explanations regarding identifications of versions with abbreviations such as ESP can be found in the section "Abbreviations for Workshop Literature".  
OV00.01-P-1001-27A \*(A4)  
The signal and circuit designations used are explained in "Abbreviations of signal and circuit designations for wiring diagrams"  
OV00.01-P-1001-28FAA \*(A5).

**Wiring diagram number**

- a Information type
- b Function group
- c Function subgroup
- d Producer ID
- e Sequence number
- f Information unit number
- g Validity letter (s)

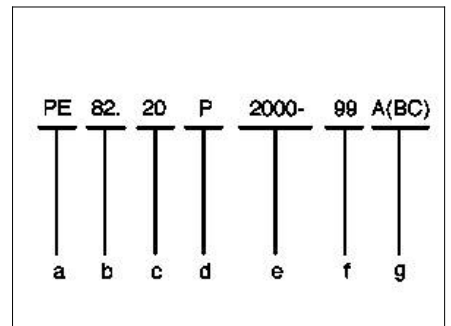
**Function diagram**

- a Data bus interface
- b Direct interface
- c Symbols (components, control units)
- d Reference to further wiring diagrams

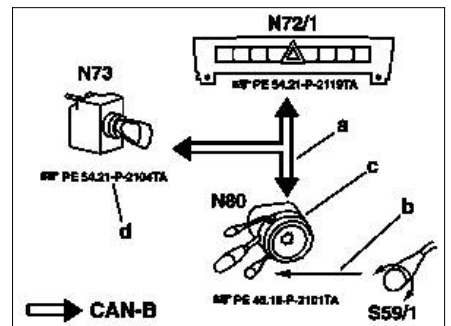
● The wiring diagrams are generated as function diagrams, control unit diagrams or detailed function diagrams and are structured as follows:  
-Function diagrams  
The control units and electrical components required for the function are shown as symbols. The functional connections are realized by direct lines or by the data bus.  
-Control unit diagrams  
Control units that only fulfill one function, e.g. Parktronic, are shown complete with all connected components.  
If control units fulfill several functions, e.g. ME-SFI [ME] control unit or SAM control unit, the control unit diagram includes a reference to a detailed function diagram. The abbreviations of the components are given in addition to this reference.  
The relay wiring is also shown on the detailed function diagrams.  
- Detailed function diagrams  
If components form an independent function as per the overview of the function groups (e.g. windshield wipers), the components are shown on a detailed function diagram.

The wiring diagrams also contain linkages of possible versions and functions. Linkages, recognizable as versions, are framed and provided with an abbreviated designation/ abbreviation. Versions are designated with 1 and 2 in the case of a phased-in modification.

● Wire cross-sections may differ from that shown in the wiring diagrams.



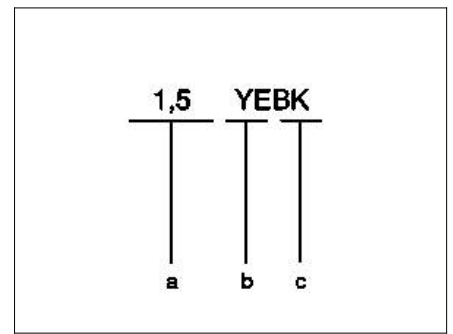
P00.19-0401-01



P00.19-3084-01

## Wire identification

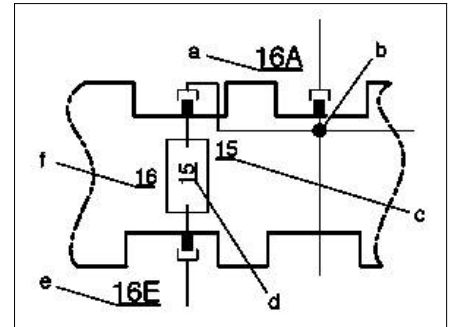
- a Conductor cross-section in mm<sup>2</sup>
- b Basic color
- c Identification color



P00.19-2306-01

## Fuse blocks

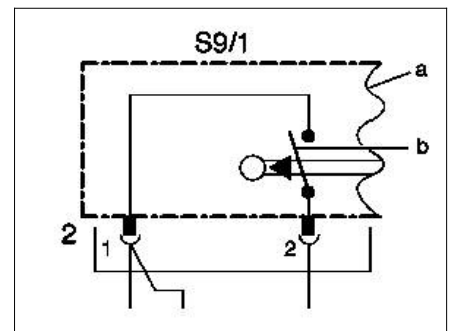
- a Receptacle numbering, output (A, B, C or D)
- b Line bridge
- c Terminal designation
- d Fuse rating in amp(s)
- e Receptacle numbering, input (E)
- f Fuse number



P00.19-0405-01

## Components and switches

- a Component which are not represented completely are shown dismantled.
- b Switching contacts are shown in the rest position.



P00.19-0406-01

## Wire colors:

BK = black	= black
BN = Brown	= brown
BU = blue	= blue
gn = green	= green
GY = gray	= gray
OG = orange	= orange
PK = pink	= pink
RD = red	= red
TR = transparent	= transparent
VT = violet	= violet
WH = white	= white
YE = yellow	= yellow

## ● Special features in WIS presentation

In contrast to the presentation on paper, it is possible in the WIS to select certain areas (framed in red) and thus to jump to other documents or wiring diagrams.

- Selection of connectors → Document: Location and assignment of connectors
- Selection of ground points → Document: Location and assignment of ground points
- Selection of Z connector sleeves → Document: Location and assignment of Z connector sleeves
- Selection of wiring diagram hands → Reference to further wiring diagrams
- Selection of Component designations → document: Abbreviations of signal and terminal designations

The symbol PE... refers to further wiring diagrams or function diagrams.

- The feed-in of the Z connector sleeves is indicated by an arrow to the left, the outputs by arrows to the right as follows:
 

←	<b>G2</b>	<b>Battery</b>
		+
→	N3/10 Control unit ME-SFI	F.5

- The assignment of the ground points is illustrated using an arrow pointing to the right as follows:
 

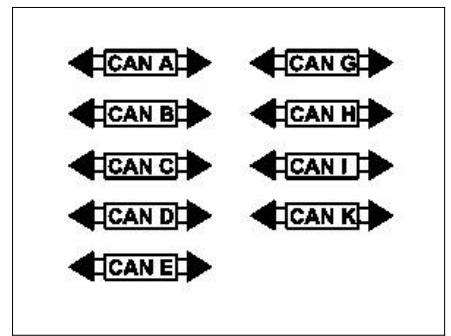
→	N3/10 ME-SFI [ME] control unit	F
		.
		2

- The assignment of connectors is shown as follows by the cable color at the pin and socket:
 

WHBK	— 1 —	WHBK
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### CAN bus presentation

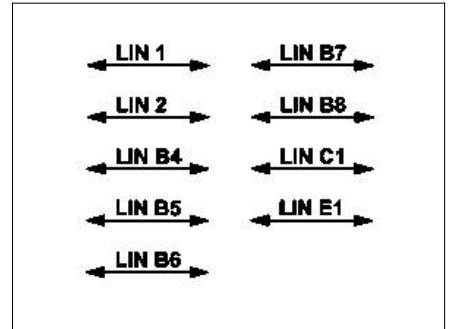
CAN A	Telematics CAN
CAN B	Interior CAN
CAN C	Drive train CAN
CAN-D	Diagnostic CAN
CAN E	Chassis CAN
CAN G	Front end CAN
CAN H	Vehicle dynamics CAN
CAN I	Drive train sensor CAN
CAN K	Multifunction CAN



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### LIN bus presentation

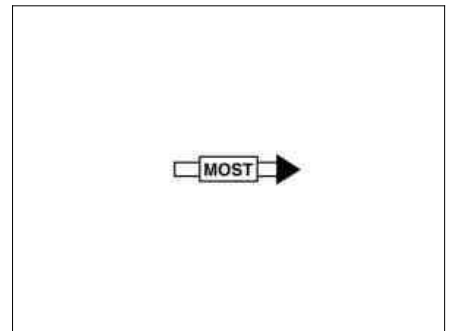
LIN 1	Instrument panel LIN
LIN 2	Wiper/inside rearview mirror LIN
LIN B4	Rear SAM LIN
LIN B5	Left door LIN
LIN B6	Right door LIN
LIN B7	On-board electrical system LIN
LIN B8	Climate control LIN
LIN C1	Drive train LIN
LIN E1	Steering LIN



P00.01-3440-01

### MOST bus presentation

MOST	Media Oriented System Transport (MOST)
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P00.01-3091-01