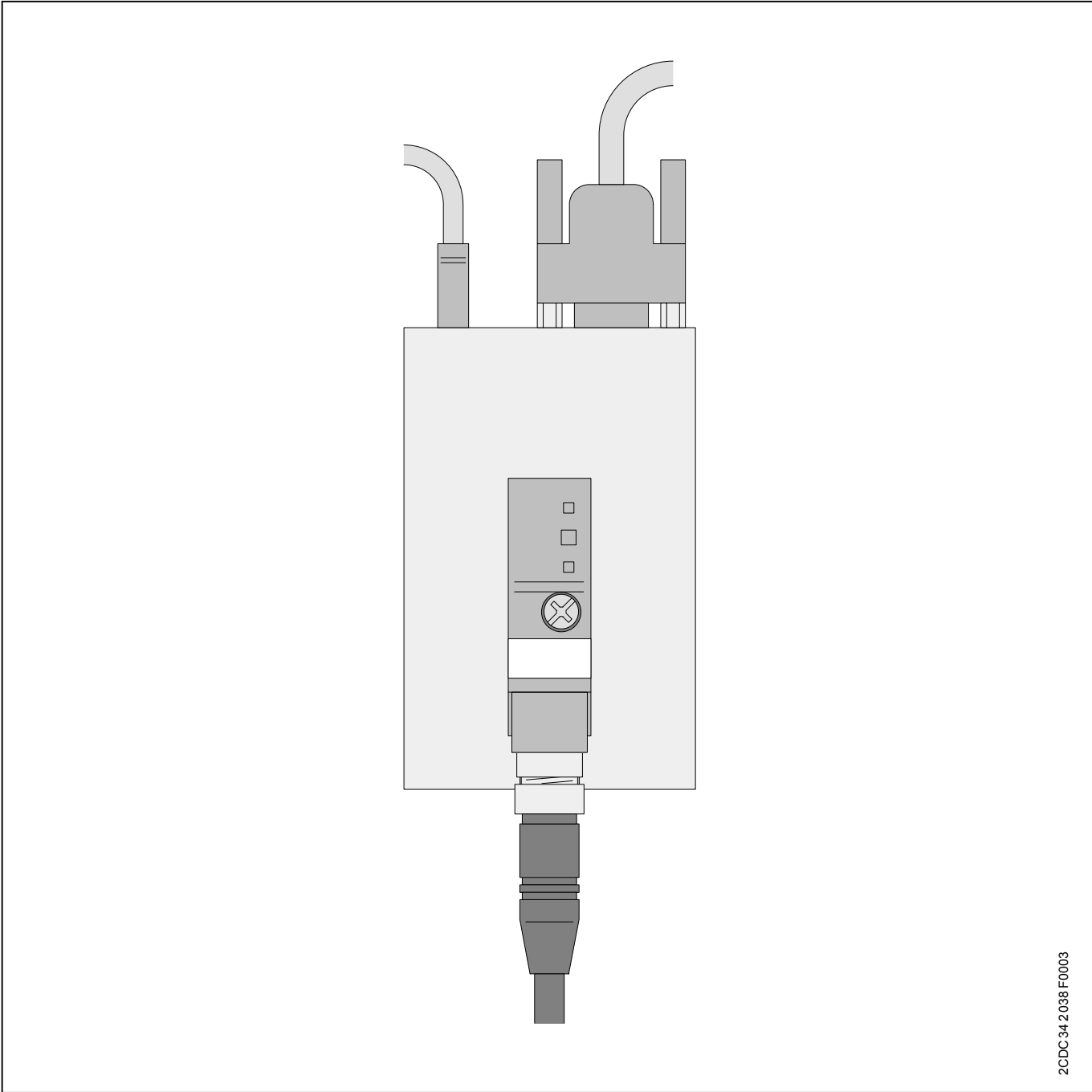




V6

Addressing Set  
CAS21-FBP



2CDC342038F0003





**Addressing Set to set the slave address in the FieldBusPlug, suitable for all types of FieldBusPlugs except the AS-Interface types, contains a software package, an interface device and an interface cable**

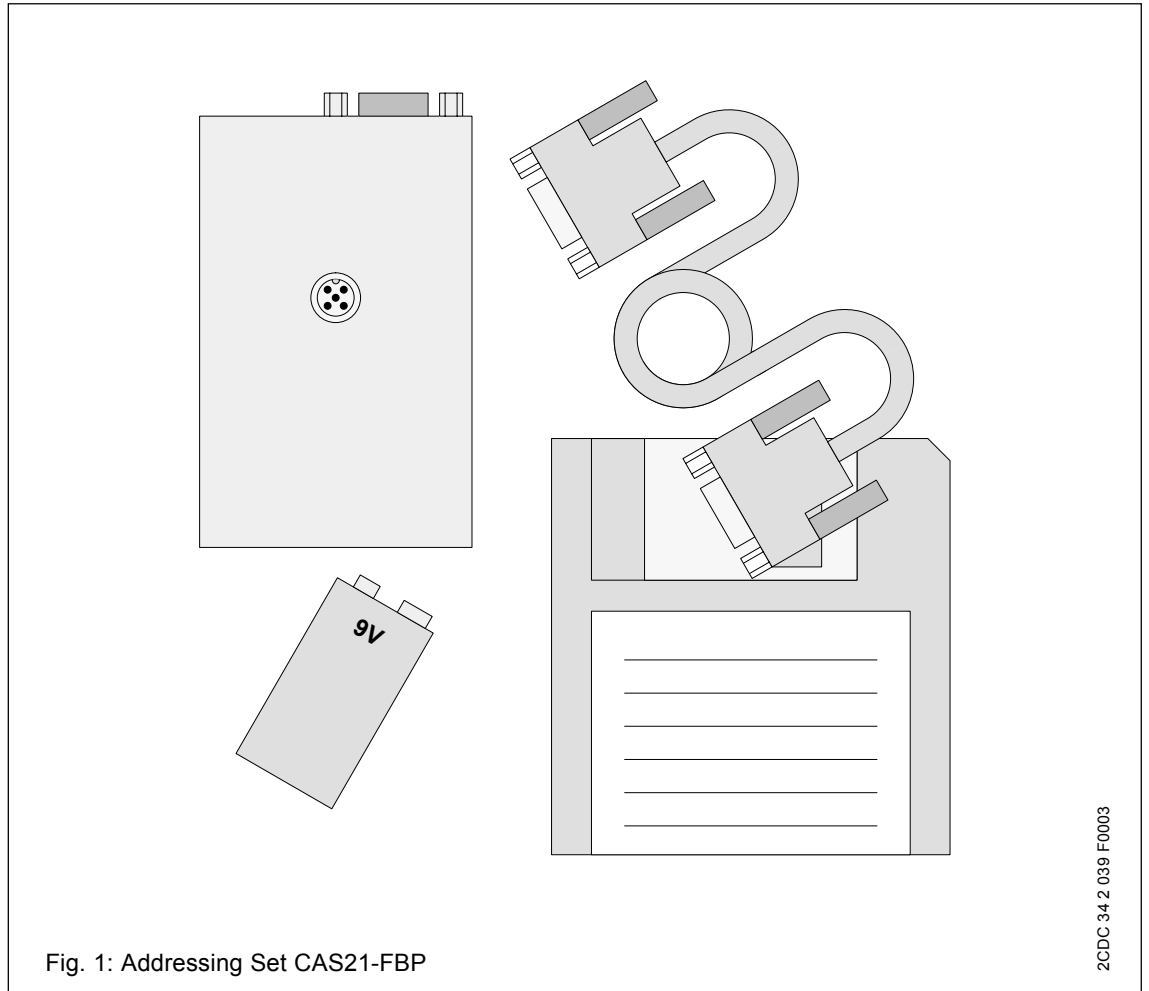


Fig. 1: Addressing Set CAS21-FBP

<b>Contents</b>	<b>page</b>
Short description and application .....	4
Software installation and connection .....	4
Programming .....	4
Battery replacement .....	5
Operation with commercially available 9 V plug-in power supply unit .....	5
Helpfile .....	5
Technical data .....	6



## Short description and application

The Addressing Set CAS21-FBP consists of a software package, an interface device (level converter) and an interface cable. It is used to set the slave address in the FieldBusPlug. It is suitable for all types of FieldBusPlugs except the AS-Interface types.

## Software installation and connection

To install the software, insert the provided disk into the PC and start SETUP. Then follow the installation instructions. You have the possibility to change the target directory and to create a desktop icon (see read\_me.txt).

After the software has been successfully installed, the interface device has to be connected to a free COM port of the PC – usually COM1 – with the interface cable. Then the FieldBusPlug has to be plugged into the interface of the interface device.

## Programming

The programming software can be started over the desktop icon <FBP\_address\_programmer> (or over the file <FBP\_address\_programmer.exe> in the directory you have chosen during the installation). The following programming window will appear.

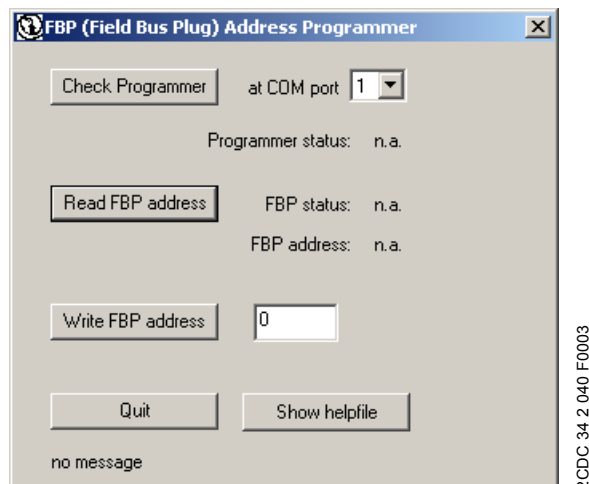


Fig. 2: Programming interface of CAS21-FBP

If necessary, you can change the COM port number in the selection window <at COM port> to that COM port used. Over the <Check Programmer> button the PC checks the connection to the interface device. If the check was successful, the message „Programmer found“ appears in the lower part of the programming window. When the message „COM Port failed“ appears, you have to check, if the selected COM port number agrees with the used COM port of the PC.

After a successful connection check, the present address of the FieldBusPlug can be read out by pressing the <Read FBP Address> button. The readout procedure is signalled by repeated flashing of the LEDs at the FieldBusPlug.

With the text window you can set a new address to the FieldBusPlug. By pressing the <Write FBP Address> button the new address will be transferred to the FieldBusPlug. The recording procedure is signalled by repeated flashing of the LEDs at the FieldBusPlug. The new plug address is shown at the bottom of the programming window.

---

# Addressing Set

## CAS21-FBP

### Technical Description

---



V 6

The permissible addressing range depends on the type of the FieldBusPlug. For

- DeviceNet it is 1..61,
- PROFIBUS DP it is 3...125.

A correct entry is indicated in the programming window by „new adress accepted“. An invalid address is assigned to the FieldBusPlug, when an unacceptable address is entered. The error message „ERROR: Address not accepted or battery down“ appears.

If a FieldBusPlug with the address:

- 62 for DeviceNet
- 126 for PROFIBUS DP

is connected to the fieldbus, the bus master can change this address into an other valid address.

When the programming procedure has been finished, the programming software can be left over the **<Quit>** button. To save the battery's energy, the programming software switches off the interface device after reading or writing an address.

### Battery replacement

A low energy state is indicated by the message „ERROR: Address not accepted or battery down“. Open the cover on the back side of the interface device by pushing it down and replace the battery by a new 9 V e-block of the 6LR61 type.

### Operation with a commercially available 9 V plug-in power supply unit

In addition to the battery supply, the operation with a commercially available 9 V plug-in power supply unit (with min. 100 mA) – not included in the scope of delivery – is possible. The 9 V plug-in power supply unit has to be connected to the interface device by a plug with a diameter of 6.5 mm. For the polarization of the plug it is important, that the negative pole is at the middle contact and the positive one at the external contact.

### Help file

To read the help file press the **<Show helpfile>** button.



# Addressing Set CAS21-FBP Technical Description

V 6

## Technical data

### General data

Accessories 9 V e-block type 6LR61 battery (included in the scope of delivery), as an alternative supply with a commercially available 9 V plug-in power supply unit with min. 100 mA loading capacity (not included in the scope of delivery)

### Application range

DeviceNet	DNP21-FBP.025	DNP21-FBP.050
	DNP21-FBP.100	DNP21-FBP.500
PROFIBUS DP	PDP21-FBP.025	PDP21-FBP.050
<b>Interface</b>	PDP21-FBP.100	PDP21-FBP.500

Types of interfaces 9 pole Sub-D socket, 5 pole M12 plug,  
Socket for plug-in power pack type: with 6.5 mm outer diameter  
polarization: negative pole inside, positive pole outside

Pin configuration	interface:	PC:
interface cable	RxD 2	2 TxD
	TxD 3	3 RxD
	power on/off 4	4 DTR
	GND 5	5 GND
	battery status 8	8 CTS

### Electrical data

Power supply battery supply or operation with 9 V plug-in power supply unit with min. 100 mA loading capacity

### Environmental operating conditions

Ambient temperature 0 ... 55°C  
Storage temperature -20 ... 55°C

### Mechanical data

Degree of protection IP20  
Dimensions (W x H x D) 60 x 30 x 95 mm  
Dimensions of the packing 125 x 105 x 75 mm  
Weight about 300 g

### Ordering details

Addressing Set CAS21-FBP.0 Order Code: 1SAJ 929 003 R0001  
Included in the scope of delivery software package, interface device, interface cable





---

**ABB STOTZ-KONTAKT GmbH**

Eppelheimer Straße 82 Postfach 101680  
69123 Heidelberg 69006 Heidelberg  
Germany Germany

Telephone +49 6221 701-0  
Telefax +49 6221 701-240  
E-Mail [desst.help@de.abb.com](mailto:desst.help@de.abb.com)  
Internet <http://www.abb.de/stotz-kontakt>