



PROFIBUS DP-V1 UFP11A Fieldbus Interface

Edition

02/2004



Manual

11254416 / EN



1 System Overview

The UFP11A PROFIBUS DP-V1 fieldbus interface is used for connecting inverters with the PROFIBUS DP-V1. Several inverters can be connected to the UFP11A PROFIBUS DP-V1 interface via the SBus. The UFP11A PROFIBUS interface establishes the connection between PROFIBUS DP-V1 and SBus.

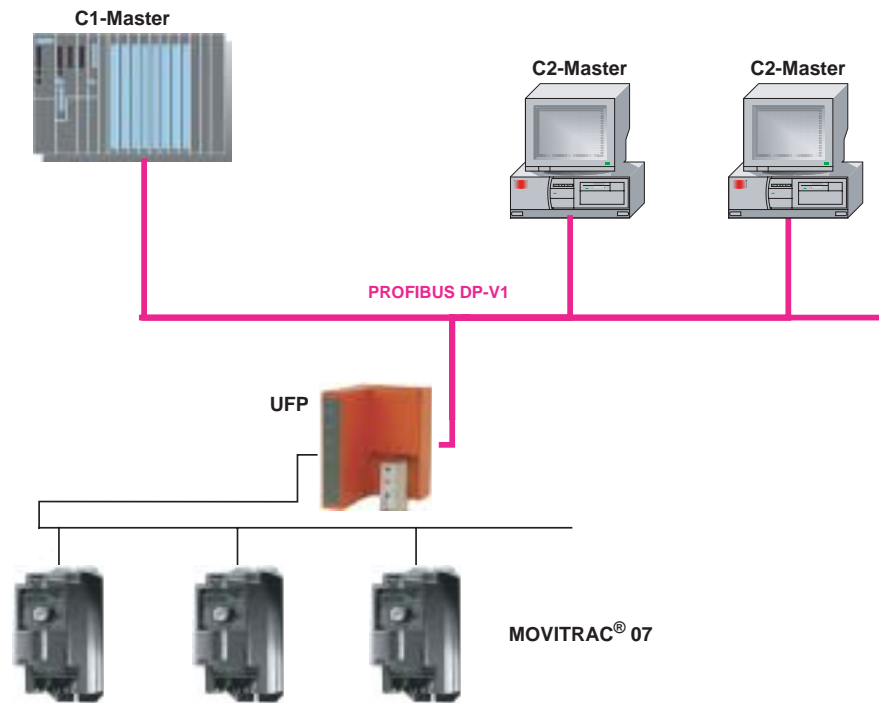


Figure 1: System overview DP-V1 master – UFP – inverter

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| Error code | Designation | Response | Cause | Action |
|------------|--------------|----------|---|---|
| 91 | System error | None | Please observe the red SYS-FAULT LED of the UFx. If this LED is on, one or several participants on the SBus could not be addressed within the timeout interval. If the red SYS-FAULT LED flashes, the UFx itself is in an error state. In this case, error 91 was reported to the controller only via fieldbus. | Check voltage supply and SBus cabling, check SBus terminating resistors. Check the project planning if the UFx was configured with the PC. Switch UFx off and on again. If the error is still present, query the error via diagnostic interface and perform the action described in this table. |

11.2 Technical data

| | |
|---|---|
| Part number: | 823 896 0 |
| Tools for startup: | MOVITOOLS V 2.70 or later |
| Voltage supply: | DC 18 ... 30 V, external supply |
| Current consumption at DC 24 V: | max. 200 mA |
| Parameter setting and diagnostic interface: | RS-485 |
| Parameter setting: | Autoconfiguration or via MOVITOOLS V 2.70 or later |
| Diagnostics: | LEDs on front of unit MOVITOOLS |
| Installation: | Screw-type or DIN rail installation |
| Ambient temperature: | - 10 °C ... + 50 °C |

| | | |
|-----------------------|--------------------------------|---|
| PROFIBUS DP-V1 | PROFIBUS protocol variants: | PROFIBUS DP-V1 to IEC 61158 |
| | Automatic baud rate detection: | 9.6 kbaud ... 12 Mbaud |
| | Connection technology: | 9-pole sub D connector Pin assignment to DIN 19245 T1 |
| | Bus termination: | Externally via connector |
| | Station address: | 0 ... 125, adjustable via DIP switches |
| | Name of GSD file: | SEW_6004.GSD (PROFIBUS DP) SEWA6004.GSD (PROFIBUS DP-V1) |
| | DP ident number: | 6004hex = 24580dec |

| | | |
|-------------|------------------------------|--------------------------------|
| SBus | Maximum transmission speed: | 1 Mbaud |
| | Transmission protocol: | MOVILINK |
| | Number of units on the SBus: | Max. 8 |
| | Process data words per unit: | Max. 3 PDs |
| | Connection technology: | Separable screw-type terminals |



11.3 Dimension sheet

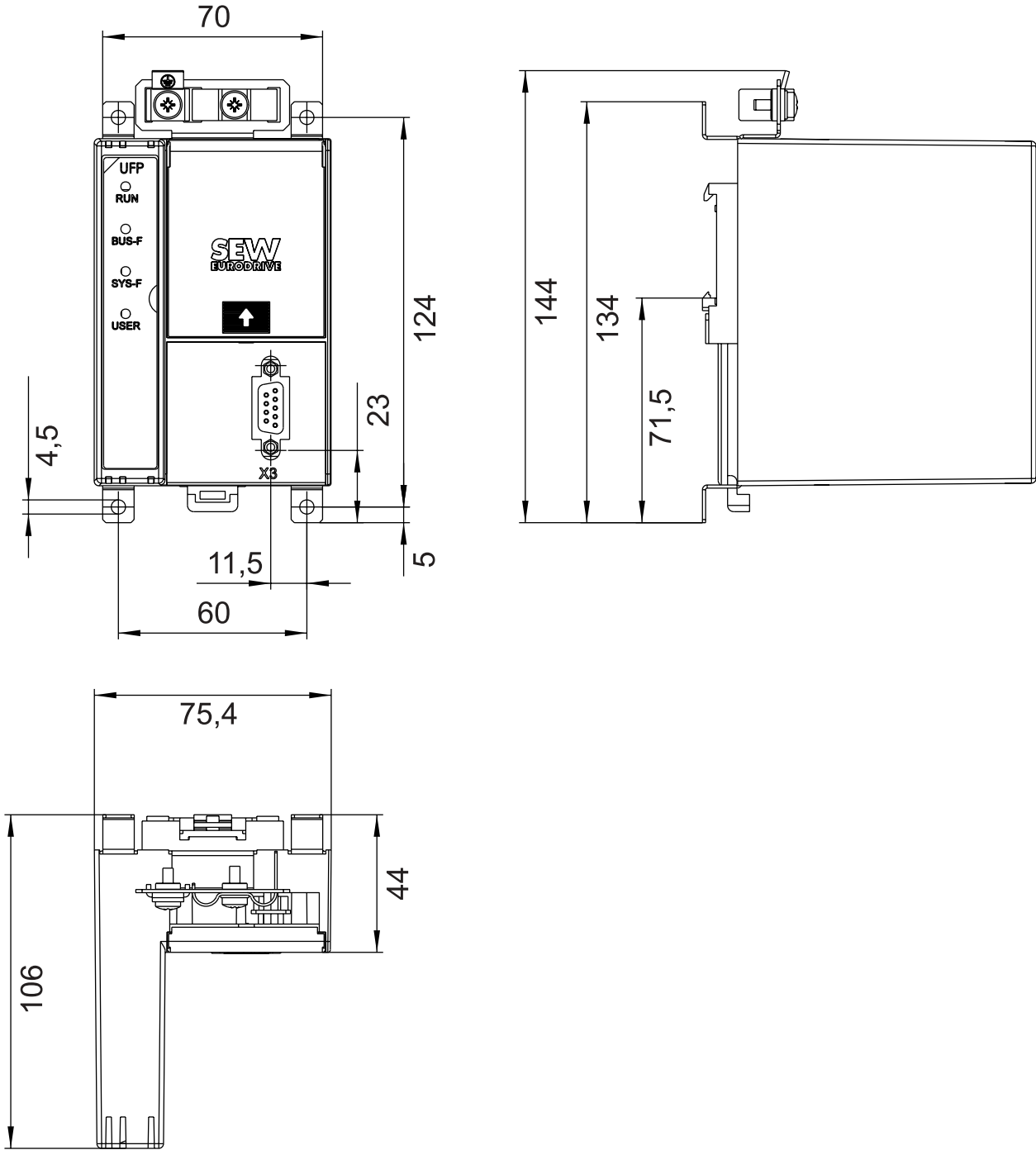


Figure 18: Dimension sheet

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