

PRKAB 600

Programming cable and accessories for SINEAX/EURAX V 604, VC 603 and SIRAX V 644

Application

The programming cable PRKAB 600 serves to connect the SINEAX/EURAX V 604/VC 603 and SIRAX V 644 transmitters to a PC on which the PC software VC 600 is installed for purposes of programming the transmitter. The cable also provides the electrical insulation between the PC and the transmitter. The data are transferred in a semi-duplex mode.

Both standard and Ex (explosion-proof "intrinsically safe" [EEx ia] IIC) versions of the SINEAX/EURAX V 604/VC 603 and SIRAX V 644 transmitters can be programmed using the PRKAB 600. The power supply for the transmitter must be switched on in order to program it.

The connections between PC ↔ PRKAB 600 ↔ SINEAX/EURAX V 604/VC 603 and SIRAX V 644 can be seen from Fig. 1.

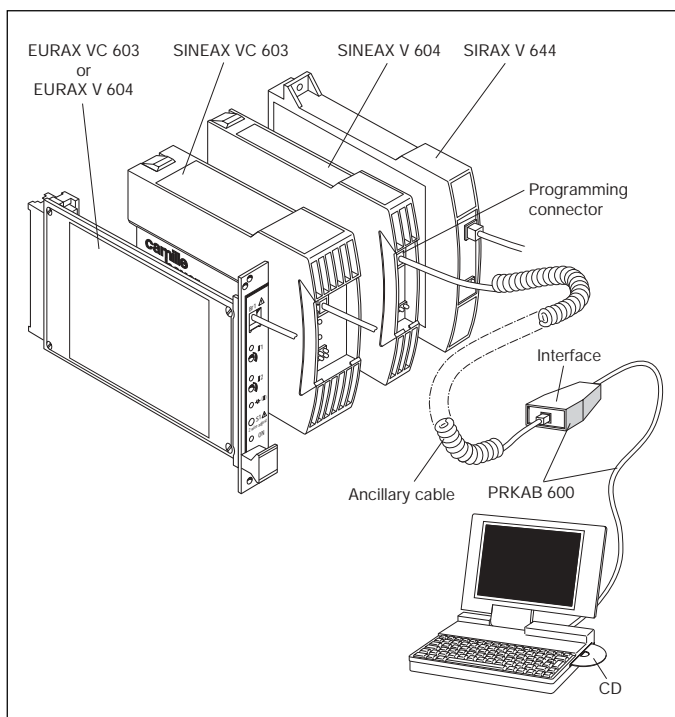


Fig. 1. Example for a connection for programming with a SINEAX V 604.

The electronic circuits convert the standard RS 232 C interface signals (± 10 V) to TTL signals of 0/5 V which can be read by SINEAX/EURAX V 604 / VC 603 and SIRAX V 644.

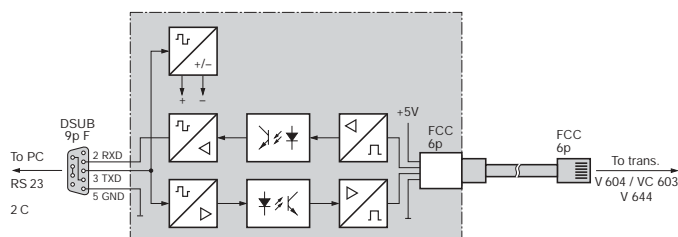


Fig. 2. Schematic diagram PRKAB 600.



Fig. 3. Programming cable PRKAB 600.



Fig. 4. Ancillary cable.



Fig. 5. Configuration software VC 600 on CD.

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Technical data

PC interface connector

Serial interface:	COM 1, 2, 3 or 4 (RS 232 C)
Sub-D connector:	9 pin
Data transfer ratio:	Between 1200...9600 Baud, depending on PC software
Send signal level:	- 5.6 V / + 5.6 V
Receive signal level:	- 12...3 V / + 3...12 V
Power consumption:	Approx. 80 mW

Transmitter programming connector

FCC-68 socket:	6/6 pin
Signal level:	TTL (0/5 V)
Power consumption:	Approx. 50 mW

Transmitter connecting cable

FCC-68 6/6 pin connectors at both ends uncrossed

Dimensional drawing

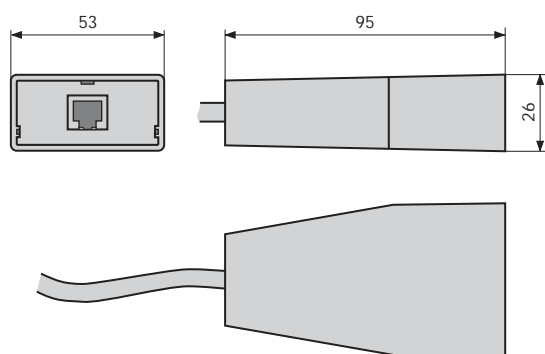


Fig. 6. Interface on the programming cable PRKAB 600.

Intrinsically safe

The PRKAB 600 programming cable is suitable for use with standard versions and explosion-proof "intrinsically safe" SINEAX/EURAX V 604/VC 603 and SIRAX V 644 transmitters [EEx ia] IIC.

Component certification: PTB 97 ATEX 2082 U

Electric isolation

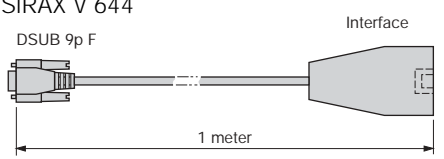
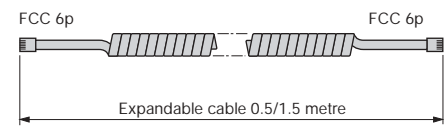
Between the serial interface on the PC and the transmitter

Test voltage: 4 kV, 50 Hz, 1 min.

Weight

Approx. 200 g

Accessories and spare parts

Description	Order No.
Configuration Software VC 600 for SINEAX/EURAX VC 603 / V 604 and SIRAX V 644 Windows 3.1 or higher on CD in German, English, French and Dutch (Download free of charge under http://www.gmc-instruments.com) In addition, the CD contains all configuration programmes presently available for Camille Bauer products.	146 557
Programming cable PRKAB 600 for SINEAX/EURAX VC 603 / V 604 and SIRAX V 644 	147 787
Ancillary cable for SINEAX/EURAX VC 603/ V604 and SIRAX V 644 	988 058
Operating Instructions PRKAB 600 Bd-f-e	991 259