BV 7043

CE

BV 7043: Data connecting cable

Direct connection of personal computer to the interface in
the H41q/H51q systems (also redundant)
without additional power supply
Standard lengths: 5 m, 15 m

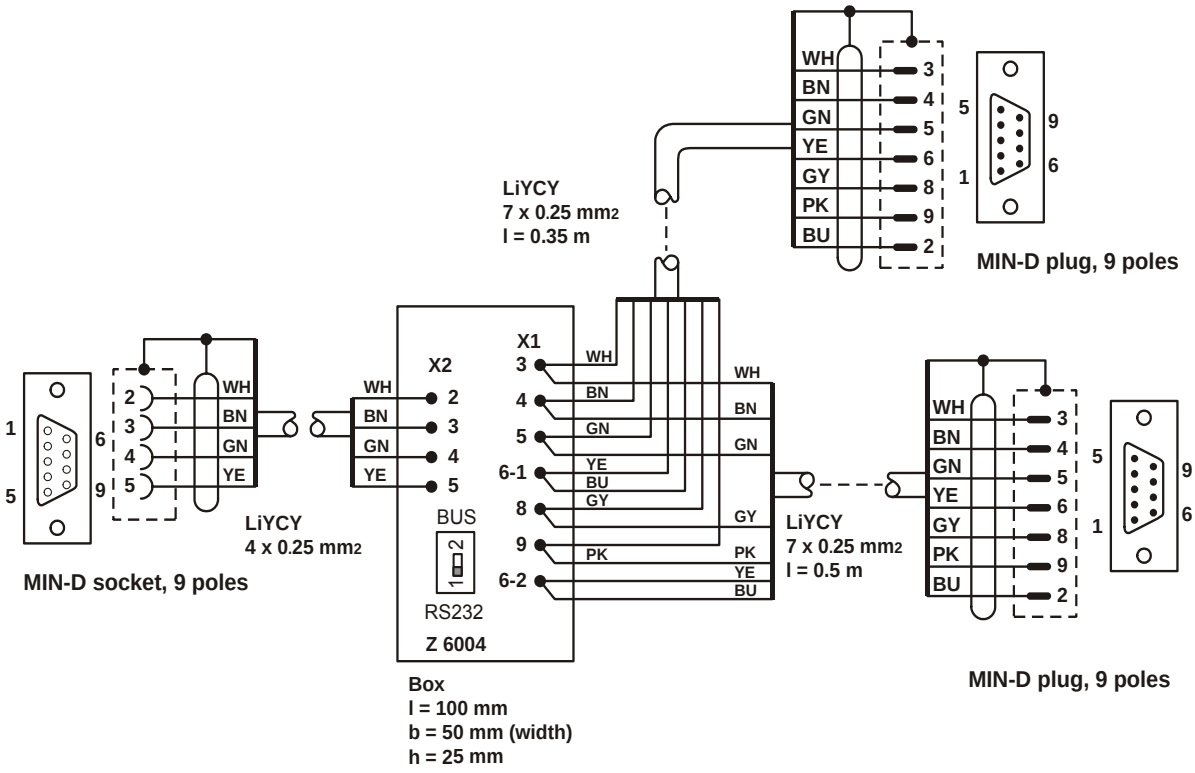

Figure 1: Wiring

Notes

- It is not possible to build up a serial connection of several cables BV 7043 for extension.
- Usable for service and set up, not for continuous operation (in this case use interface converter H 7505 and appertaining cables).
- Together with the MIN-D 9 pole adapter socket/socket (part no. 52 0009389) the BV 7043 is also usable as a branch to connect a PC with the system software HIMA communication analyzer HIKA.
- If the cable is used together with a system software which does not support the status line of an interface RS 232 C, the DIP switch on the board within the box Z 6004 has to be set from position 2 "Bus" to position 1 "RS 232":
  Position 1: Operation with ELOP II or Wizcon / ControlMaestro
  Position 2: Operation with ELOP or HIKA

Transmission rate	Maximum cable length
9 600 bps	15 m
57 600 bps	5 m

Table 1: Maximum cable length depending on transmission rate

Pin	RS 485	Signal	Meaning
1	-	-	not used
2	-	RP	5 V, decoupled by diodes
3	A/A’	RxD/TxD-A	Receive/Transmit Data A
4	-	CNTR-A	Control signal A
5	C/C’	DGND	Data Ground
6	-	VP	5 V, positive pole of power supply
7	-	-	not used
8	B/B’	RxD/TxD-B	Receive/Transmit Data B
9	-	CNTR-B	Control signal B

Table 2: Pin assignment of the interface RS 485, 9-pole

Pin	RS 232	Signal	Meaning
1	CF	DCD	Data could be received
2	BB	RxD	Receive data from interface to PC
3	BA	TxD	Send data from PC to interface
4	CD	DTR	PC ready to receive
5	AB	GND	Data Ground
6	CC	DSR	Interface ready to receive
7	A	RTS	PC indicates that PC would send
8	CF	CTS	Interface indicates that PC could send
9	CE	RI	Ring indicator

Table 3: Pin assignment of the interface RS 232, 9-pole