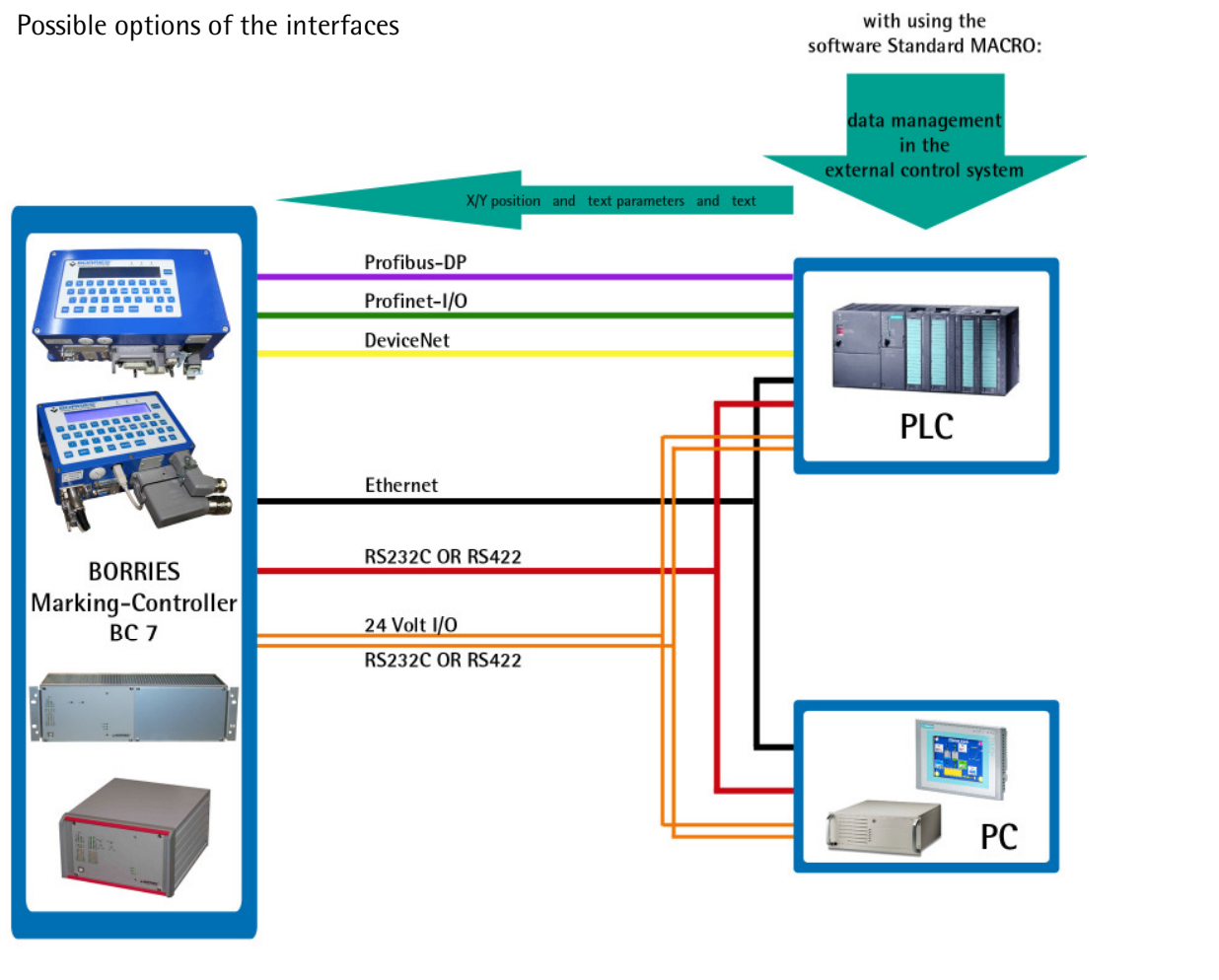


Marking software Standard MACRO

Technical data sheet

- The marking controller receives one marking layout from an external PLC and marks the layout.
- No storage of marking layouts in the marking-controller
- Flexible marking possibilities to be controlled by the external PLC
- Up to 40 fields can be sent to the marking-controller and marked in one cycle.
- Indication of system status via the display with four lines and 40 columns (only EK- and EG-Box)
- Functions of the membrane keyboard: setup and function operation (only EK- and EG-Box)
- Transfer of marking data: (1) X/Y position, (2) text parameters: height/ width/ angle, (3) marking text
- The marking cycle must be controlled by an external control system (PLC). In the basic controller version the marking cycle can be controlled via the built-in serial interface.
- Standard interface: RS232C/ RS422/ Ethernet switchable
- Optional interfaces: 24 Volt I/O, Profibus-DP, Profinet-I/O or DeviceNet

Possible options of the interfaces



Functions of the marking controller

- Operates like a printer
- With the interface the marking positions and text parameters are to be received
- No storage or management of marking layouts within the marking controller
- Display for failure messages
- Membrane keyboard for setup and function operation
- Data structure:

Standard: X,Y-Position, font height, angle of the font (0-365°), marking text
(informations in 1/10 mm or in degree)

Optional:

- Font width (to derogate or to widen the characters)
- Additional distance between the characters
- Proportional- and fixed font width
- Alignment (left-justified, center-justified, right-justified)
- Number of the font
- Grip size of the DataMatrix
- Radius of the arc

- Standard parameters:

- RS232C / RS422 / Ethernet:

STX/ETX

Bit Rate: 9600 Baud,

Parameter: 8 data bits / EVEN Parity / 1 Stop bit

- Profibus-DP (optional):

Automatic recognition of the bit rate: 9,6 Kbit – 12 Mbit/Sek.

Number of receiving bytes (from the perspective of the marking-controller): 128

Number of send bytes (from the perspective of the marking-controller): 32

Bus address: 3

- Profinet-IO (optional):

Bit rate: 100 Mbit/Sek.

Number of receiving bytes (from the perspective of the marking-controller): 128

Number of send bytes (from the perspective of the marking-controller): 32

IP-address: 192.168.2.1

Controller's name: Marker1.Borries

- DeviceNet (optional):

Bit rate: 500.000 kBit/Sek.

Number of receiving bytes (from the perspective of the marking-controller): 128

Number of send bytes (from the perspective of the marking-controller): 32

MAC-ID: 3



Functions of the external control system (not in scope of delivery)

- Control of conveyor belt
- Clamping of the workpiece and transport of workpiece
- Management of marking layouts
- Transfer of marking positions, text parameters and marking text to the marking controller

Details are subject to change.