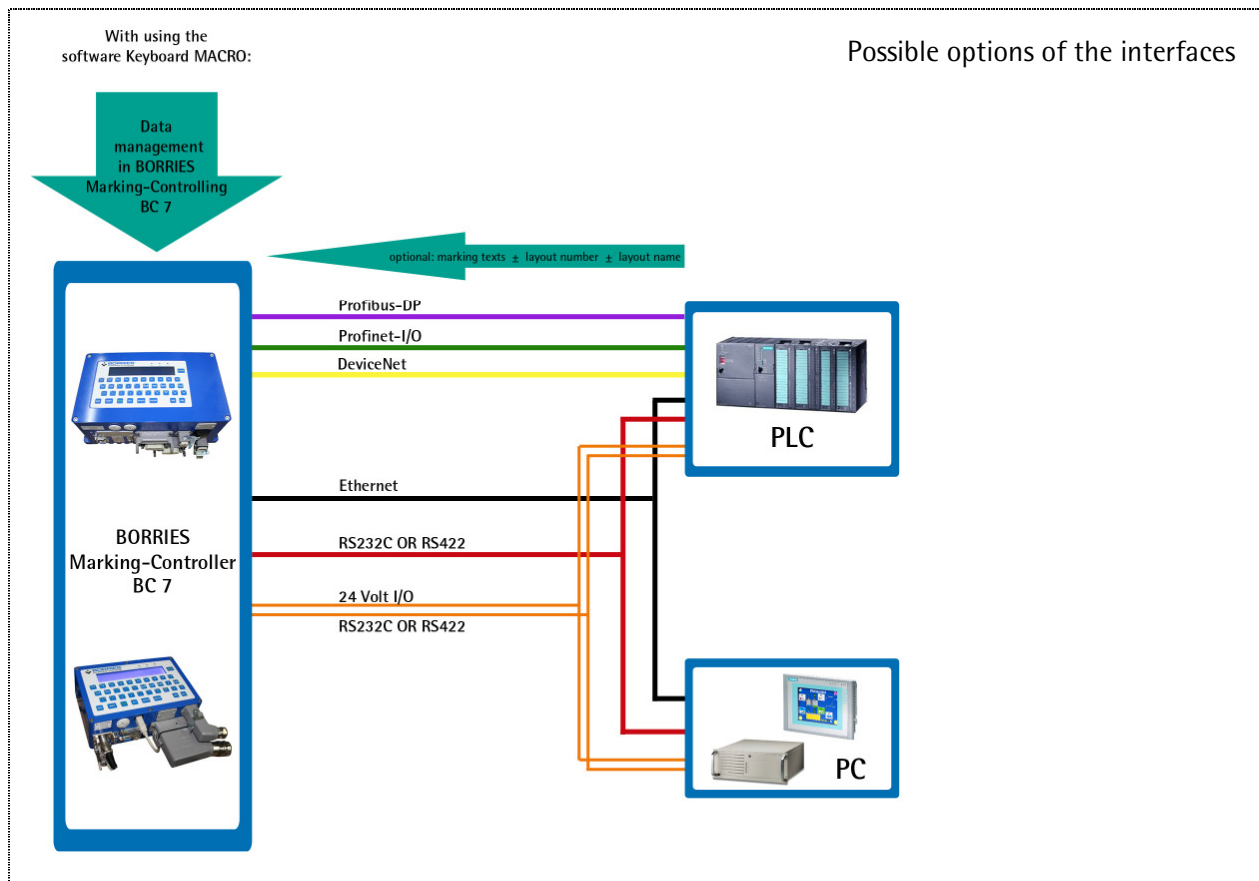


Marking software Keyboard MACRO

Technical data sheet

- The marking unit can work as a self-sustained working unit.
- Management of up to 40 marking layouts with max. 10 fields and up to 80 characters per field
- Internally managed fixed text, counter, date and time functions
- Receipt of external marking data: (1) only marking text, (2) layout number and marking text, (3) layout name and marking text
- No changing of summer-/ wintertime
- Indication of system status via the display with four lines and 40 columns
- Return information of marking data from the marking-controller possible
- Functions of the membrane keyboard: entry and management of the marking layouts, setup and function operation, control of the marking cycle
- The marking cycle can also 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



Functions of the marking controller

- Management of the marking layouts (marking positions, text parameters and marking text)
- Entry of the marking layouts with the membrane keyboard
- Storage of the fixed text, date, time, shift, calendar week and counters etc.
- Receipt of marking text over the interface possible
- 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
- Fixing of the workpiece and transport of the workpiece
- Optional: data transfer to the marking controller (only text, no text parameters)
- Optional: selection of a marking layout of the marking controller over the serial or digital interface

Options

- Connection of a barcode scanner
- Operation of the marking controller over an external control cabinet

Details are subject to change.