

# B-PRIMIS DC-RACK 7

## INFORMATION TECHNICAL DATA

| B-Primis DC-Rack 7                          | Specification  |                        |   |                        |
|---|--|------------------------|---|------------------------|
| Description                                 | DC-Rack 7 S01  | DC-Rack 7 S02          | DC-Rack 7 S04                               | DC-Rack 7 S05          |
| Order number                                | <b>S-01010106-0104</b>   | <b>S-01010106-0204</b> | <b>S-01010106-0404</b>                      | <b>S-01010106-0504</b> |
| Order number Dualcore                       | -  | -                      | <b>S-01010106-2404</b>                      | <b>S-01010106-2504</b> |
| Dimensions WxHxD [mm]                       | 202,76 x 128,9 x 43,1 (3 HE)   |                        |   |                        |
| Display diagonals/<br>Resolution            | 7" Display / 800 x 480 (WVGA)  |                        |   |                        |
| Touch operation                             | Resistive  |                        |   |                        |
| Colours                                     | TFT: 16,7 M (24 Bit/Pixels)  |                        |   |                        |
| Weight                                      | approx. 600 g  |                        |   |                        |
| Mounting                                    | Geschraubt   |                        |   |                        |
| Certification                               | CE (EN 61131-2) / $\checkmark$ UL <sub>us</sub> (UL 61010-2-201)   |                        |   |                        |
| CPU   | 800 MHz ARM® CPU with Cortex™-A9 Single Core / Dualcore: 800 MHz ARM® CPU with Cortex™-A9  |                        |   |                        |
| RAM / Flash / Retain                        | 256 MB RAM / 256 MB Flash / 100 kb Retain  |                        |   |                        |
| Dualcore                                    | -  | -                      | 512 MB RAM / 256 MB Flash/<br>100 kb Retain |                        |
| Communication<br>interfaces                 | 1x Ethernet, 10/100 Base, RJ45   |                        |   |                        |
|   | 1x EtherCAT, RJ45  |                        |   |                        |
|   | -  | -                      | 2x CAN Bus, RJ45                            |                        |
| Protocols                                   | -  |                        |   |                        |
|   | 1x RS232/485 Combo   |                        |   |                        |
| Protocols                                   | Standard: EtherCAT Master, CANOpen Master, NTP, FTP<br>Optional: Modbus RTU/TCP, SNMP, OPCuA, J1939, Ethernet/IP, PROFINET, BACnet, KNX, IoT   |                        |   |                        |
| Visualization                               | Target Visu (Display), Optional: Web Visu (Web Server, HTML5)  |                        |   |                        |
| Additional features                         | 1x Host USB 2.0 / USB plug type A  |                        |   |                        |
|   | 1x RTC, battery buffered   |                        |   |                        |
| Digital I/O's                               | -  |                        |   |                        |
| Analogue I/O's                              | 4x digital input, 4x digital output (0,5A)   |                        |   |                        |
| Supply voltage                              | - 4x analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit   |                        |   |                        |
| Current consumption device                  | +24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection  |                        |   |                        |
| Current consumption dig. outputs            | Max. 0.3 A at +24 VDC  |                        |   |                        |
| Operating conditions<br>Transport / storage | depending on output load, continuous max. 2.7 A  |                        |   |                        |
|   | Ambient temperature: operational: 0 °C to 55 °C / transport -20 °C to +70 °C<br>Ambient temperature: operational Dualcore: 0 °C to 50 °C / transport -20 °C to +70 °C<br>Relative humidity: max. 85%, non-condensing |                        |   |                        |

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www.berghof-automation.com | Subject to changes and errors



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| <b>EMC, protection type</b> |   |               |               |               |
| Emitted interference        | EN 61131-2; EN 61000-6-3, living area                                       |               |               |               |
| Immunity to interference    | EN 61131-2; EN 61000-6-2, industrial area                                   |               |               |               |
| Protection class            | III   |               |               |               |
| Insulation strength         | EN 61131-2  |               |               |               |
| Protection type             | IP20, Front IP54  |               |               |               |
| Vibration                   | Sinusoidal (EN 60068-2-6) test: Fc;10 ... 150 Hz, 1 G (operation mode)      |               |               |               |
| Schock resistance           | 15 G (approx. 150 m/s²), 10 ms duration, half-sine (EN 60068-2-27) test: Ea |               |               |               |

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