

B-PRIMIS DC-PRO 7“

INFORMATION TECHNICAL DATA

B-Primis DC-PRO 7“	Specification				
	Description	DC-PRO 7“ S01	DC-PRO 7“ S02	DC-PRO 7“ S03	DC-PRO 7“ S04
Order number	S-01010103-0104	S-01010103-0204	S-01010103-0304	S-01010103-0404	S-01010103-0504
Dimensions WxHxD [mm]	224 x 152 x 45				
Display diagonals/ resolution	7“ Display / 800 x 480 (WVGA)				
Touch operation	Resistive				
Colours	TFT: 16,7 M (24 Bit/Pixels)				
Weight	approx. 600 g				
Mounting	Integrated securing clips				
Certification	CE (EN 61131-2) / CB Scheme (IEC 61010-2-201) / $c_{UL_{us}}$ (UL 61010-2-201)				
CPU	800 MHz Arm® CPU with Cortex™-A9 Single Core				
RAM / Flash / Retain storage	256 MB RAM / 256 MB Flash / 100 kb FRAM				
Communication interfaces	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45
	1x EtherCAT, RJ45	1x EtherCAT, RJ45	1x EtherCAT, RJ45	1x EtherCAT, RJ45	1x EtherCAT, RJ45
	-	-	1x CAN Bus, RJ45	1x CAN Bus, RJ45	2x CAN Bus, RJ45
	-	-	-	1x RS232/485 Combo	1x RS232/485 Combo
Protocols	Standard: EtherCAT Master, CANopen Master Optional: Modbus RTU M/S, Modbus TCP M/S, SNMP, OPC UA, J1939, Ethernet/IP, PROFINET, BACnet				
Visualization	Target Visu (VNC Client), Web Visu (Web Client, HTML5)				
Additional features	1x host USB 2.0 / USB plug type A	1x host USB 2.0 / USB plug type A	1x host USB 2.0 / USB plug type A	1x host USB 2.0 / USB plug type A	1x host USB 2.0 / USB plug type A
	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered
	-	-	1x Micro SD-Card slot up to 32 GB	1x Micro SD-Card slot up to 32 GB	1x Micro SD-Card slot up to 32 GB
Digital I/O´s	4x digital input, 4x digital output (0,5A)				
Analogue I/O´s	-	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bi	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bi	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bi

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Description					
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection				
Current consumption modules	Typ. 0,3 A, max. 1,2 A at +24V				
Current consumption dig. outputs	depending on output load, in the long run max. 2A				
Operating conditions Transport / storage	Ambient temperature: operational: 0 °C to 55 °C / transport -20 °C to +70 °C Relative humidity: max. 85%, non-condensing				
EMC, protection type					
Emitted interference	EN 55011 class B group 1				
Immunity to interference	EN 61131-2				
Protection class	III				
Insulation strength	EN 61131-2				
Protection type	IP20, Front IP54 (IP65 only with twist locks catches tightened)				
Vibration	Sinusoidal (EN 60068-2-6) test: Fc;10 ... 150 Hz, 1 G (operation mode)				
Schock resistance	15 G (approx. 150 m/s ²), 10 ms duration, half-sine (EN 60068-2-27) test: Ea				