

B-FORTIS **CC-PRIME**

INFORMATION **TECHNICAL DATA**

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B-Fortis CC-Prime	Specification			
	CC-Prime S01	CC-Prime S02	CC-Prime S03	CC-Prime S04
Order number	S-01020103-0100	S-01020103-0200	S-01020103-0300	S-01020103-0400
Dimensions WxHxD [mm]	212 x 105 x 46,5			
Weight	approx. 750 g			
Mounting	Rail mounting NS 35/7,5 EN 50022			
Certification	CE (EN 61131-2) / UL_{us} (UL 61010-2-201)			
Development environment	CODESYS V3 (IEC61131-3)			
CPU	800 MHz ARM® CPU with Cortex™-A9 Single Core			
RAM /Flash /Retain storage	256 MB RAM /256 MB Flash /100 KB Retain			
Communication interfaces	1x Ethernet, 10/100 Base with 3x RJ45 (integrated switch)			
	1x EtherCAT , RJ45			
	-	1x CAN Bus, RJ45 (opto-isolated)		
	-	-	-	1x Rs232/485 combo, RJ45
Protocols	Standard: EtherCAT Master, CANOpen Master, NTP, FTP Optional: Modbus RTU/TCP, SNMP, OPCuA, J1939, Ethernet/IP, PROFINET, BACnet, KNX, IoT			
Visualization	Target Visu (VNC Server), Optional: Web Visu (Web Server, HTML 5)			
Additional features	1x Host USB 2.0 / USB plug type A			
	-	-	1x MicroSD-Card Slot (SDHC standard up to 32 GB)	
Digital I/O`s	1x RTC, battery buffered			
	8x digital input	12x digital input	16x digital input	
Analogue I/O`s (-10 V..+10V, -20mA..+20mA, 6x PT100/PT1000)	8x digital output (0,5 A)	12x digital output (0,5 A)	16x digital output (0,5 A)	
	4x analog input Resolution: 24 Bit	4x analog input, Resolution: 24 Bit		8x analog input Resolution: 24 Bit
	2x analog input, Resolution: 12 Bit			4x analog input Resolution: 12 Bit

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B-FORTIS **CC-PRIME**

INFORMATION **TECHNICAL DATA**

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B-Fortis CC-Prime	Specification			
	CC-Prime S01	CC-Prime S02	CC-Prime S03	CC-Prime S04
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection			
Current consumption device	Typ. 0,3 A, max. 1,0 A at +24 VDC			
Current consumption dig. outputs	depending on output load, continuous 4x max. 2A			
Operating conditions	Ambient temperature: operational: 0 °C to 55 °C / transport -20 °C to +70 °C			
Transport / storage	Relative humidity: max. 85%, non-condensing			
EMC, protection type				
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			
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			

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B-Fortis CC-Prime	Specification			
	CC-Prime S05	CC-Prime S06	CC-Prime S07	CC-Prime S08
Order number	S-01020103-0500	S-01020103-0600	S-01020103-0700	S-01020103-0800
Order number Dualcore	S-01020103-2500	-	-	S-01020103-2800
Dimensions WxHxD [mm]	212 x 105 x 46,5			
Weight	approx. 750 g			
Mounting	Rail mounting NS 35/7,5 EN 50022			
Certification	CE (EN 61131-2) / _c UL _{us} (UL 61010-2-201)			
Development environment	CODESYS V3 (IEC61131-3)			
CPU	800 MHz ARM® CPU with Cortex™-A9 Single Core / Dualcore: 800 MHz ARM® CPU mit Cortex™-A9			
RAM /Flash /Retain storage	256 MB RAM / 256 MB Flash / 100 KB Retain			1 GB RAM 1GB Flash 100 KB Retain
Dualcore	512 MB RAM 256 MB Flash 100 KB Retain	-	-	1 GB RAM 1GB Flash 100 KB Retain
Communication interfaces	1x Ethernet, 10/100 Base mit 3x RJ45 (integrated switch)			
	1x EtherCAT , RJ45			
	1x CAN Bus, RJ45 (opto-isolated)			
	2x RS485, RJ45 (opto-isolated, 1x together with RS232)			2x RS485, RJ45 (opto-isolated, 1x together with RS232 without Bias resistance, with 5V on pin7)
Protocols	1x RS232, RJ45 (opto-isolated together with RS485)			
	Standard: EtherCAT Master, CANOpen Master, NTP, FTP Optional: Modbus RTU/TCP, SNMP, OPCuA, J1939, Ethernet/IP, PROFINET, BACnet, KNX, IoT			
Visualization	Target Visu (VNC Server), Optional: Web Visu (Web Server, HTML 5)			
Additional features	1x Host USB 2.0 / USB plug type A			
	1x MicroSD-Card slot (SDHC standard up to 32 GB)			
Digital I/O`s	1x RTC, battery buffered			
	16x digital Input			
	16x digital Output (0,5 A)			

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B-Fortis CC-Prime	Specification			
	Description	CC-Prime S05	CC-Prime S06	CC-Prime S07
Analogue I/O`s (-10 V..+10V, -20mA..+20mA, 6x PT100/PT1000)	12x analog Input Resolution: 24 Bit	-	4x analog Input Reso- lution: 24 Bit	12x analog Input Resolution: 24 Bit
	6x analog Output Resolution: 12 Bit	-	2x analog Output Resolution: 12 Bit	6x analog Output Resolution: 12 Bit
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection			
Current consumption device	Typ. 0,3 A, max. 1,0 A at +24 VDC			
Current consumption dig. outputs	depending on output load, continuous 4x max. 2A			
Operating conditions Transport / storage	Ambient temperature: operational: 0 °C to 55 °C / transport -20 °C to +70 °C			
	Ambient temperature: operational Dualcore: 0 °C to 50 °C / transport -20 °C to +70 °C			
	Relative humidity: max. 85%, non-condensing			
EMC, protection type				
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			
Vibration	Sinusodial (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			

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