

B-FORTIS CC-PRIME

INFORMATION TECHNICAL DATA

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B-Fortis CC-PRIME	Specification			
Description	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 FRAM			
Communication interfaces	1x Ethernet, 10/100 Base with 3x RJ45 (integrated switch)	1x Ethernet, 10/100 Base with 3x RJ45 (integrated switch)	1x Ethernet, 10/100 Base with 3x RJ45 (integrated switch)	1x Ethernet, 10/100 Base with 3x RJ45 (integrated switch)
	1x EtherCAT , RJ45	1x EtherCAT , RJ45	1x EtherCAT , RJ45	1x EtherCAT , RJ45
	-	1x CAN Bus, RJ45 (opto-isolated)	1x CAN Bus, RJ45 (opto-isolated)	1x CAN Bus, RJ45 (opto-isolated)
	-	-	-	2x RS485, RJ45 (opto-isolated, 1x together with RS232)
Protocols	Standard: EtherCat Master, CANopen Master Optional: Modbus RTU M/S, Modbus TCP M/S, SNMP, OPCuA, J1939, Ethernet/IP, PROFINET, BACnet			
Visualization	Target Visu (VNC Server), Web Visu (Web Server, HTML 5)			
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 MicroSD-Card Slot (SDHC standard up to 32 GB)	1x MicroSD-Card Slot (SDHC standard up to 32 GB)
	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered
Digital I/O`s	8x digital input	12x digital input	16x digital input	16x digital input
	8x digital output (0,5 A)	12x digital output (0,5 A)	16x digital output (0,5 A)	16x digital output (0,5 A)
Analogue I/O`s (-10 V..+10V, -20mA..+20mA, 6x PT100/Pt1000)	4x analog input Resolution: 24 Bit	4x analog input Resolution: 24 Bit	4x analog input Resolution: 24 Bit	8x analog input Resolution: 24 Bit
	2x analog input Resolution: 12 Bit	2x analog input Resolution: 12 Bit	2x analog input Resolution: 12 Bit	4x analog input Resolution: 12 Bit

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INFORMATION TECHNICAL DATA

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B-Fortis CC-PRIME	Specification			
Description	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 Module	Typ. 0,3 A, max. 1,0 A at +24 VDC			
Current consumption dig. Outputs	according to outputload, continuous 4x max. 2 A			
Operating conditions Transport / storage	Ambient temperature: operational: 0 °C bis 55 °C / transport -20 °C bis +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			
Vibration	Sinusodial (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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INFORMATION TECHNICAL DATA

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B-Fortis CC-PRIME	Specification			
Description	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
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 FRAM	256 MB RAM /256 MB Flash /100 KB FRAM	256 MB RAM /256 MB Flash /100 KB FRAM	1 GB RAM /1GB Flash /100 KB FRAM
Communication interfaces	1x Ethernet, 10/100 Base mit 3x RJ45 (integrated switch)	1x Ethernet, 10/100 Base mit 3x RJ45 (integrated switch)	1x Ethernet, 10/100 Base mit 3x RJ45 (integrated switch)	1x Ethernet, 10/100 Base mit 3x RJ45 (integrated switch)
	1x EtherCAT , RJ45	1x EtherCAT , RJ45	1x EtherCAT , RJ45	1x EtherCAT , RJ45
	1x CAN Bus, RJ45 (opto-isolated)	1x CAN Bus, RJ45 (opto-isolated)	1x CAN Bus, RJ45 (opto-isolated)	1x CAN Bus, RJ45 (opto-isolated)
	2x RS485, RJ45 (opto-isolated, 1x together with RS232)	2x RS485, RJ45 (opto-isolated, 1x together with RS232)	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)
	1x RS232, RJ45 (opto-isolated together with RS485)	1x RS232, RJ45 (opto-isolated together with RS485)	1x RS232, RJ45 (opto-isolated together with RS485)	1x RS232, RJ45 (opto-isolated together with RS485)
	Standard: EtherCat Master, CANopen Master Optional: Modbus RTU M/S, Modbus TCP M/S, SNMP, OPCuA, J1939, Ethernet/IP, PROFINET, BACnet			
Visualization	Target Visu (VNC Server), Web Visu (Web Server, HTML 5)			
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 MicroSD-Card slot (SDHC standard up to 32 GB)	1x MicroSD-Card slot (SDHC standard up to 32 GB)	1x MicroSD-Card slot (SDHC standard up to 32 GB)	1x MicroSD-Card slot (SDHC standard up to 32 GB)
	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered
Digital I/O`s	16x digital Input			
	16x digital Output (0,5 A)			

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B-Fortis CC-PRIME	Specification			
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Analogue I/O`s (-10 V..+10V, -20mA..+20mA, 6x PT100/Pt1000)	12x analog Input Resolution: 24 Bit	-	4x analog Input Resolution: 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 Module	Typ. 0,3 A, max. 1,0 A at +24 VDC			
Current consumption dig. Outputs	according to outputload, continuous 4x max. 2 A			
Operating conditions Transport / storage	Ambient temperature: operational: 0 °C bis 55 °C / transport -20 °C bis +70 °C			
	Relative humidity: max. 85%, non-condensing			
EMC, protection type				
Emitted interference	EN 55011 classe B group 1			
Immunity to interference	EN 61131-2			
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/s²), 10 ms duration, half-sine (EN 60068-2-27) test: Ea			