B-NIMIS **BC-PI PRIME**
INFORMATION **TECHNICAL DATA**

B-Nimis BC-Pi Prime	Specification		
Description	**BC-Pi Prime S01**	**BC-Pi Prime S02**	**BC-Pi Prime S03**
Order number	**S-01080102-0100**	**S-01080102-0200**	**S-01080102-0300**
Dimensions WxHxD [mm]	58 x 122 x 87		
Mounting	Rail mounting NS 35/7,5 EN 50022		
Certification	CE (EN 61131-2)		
Development environment	Raspberry OS		
	Compatible with Raspberry community		
CPU	BCM 2711, 1,5 GHz Quadcore		
RAM / Flash / Retain	1GB RAM / 8GB Flash / 200 KB Retain	2 GB RAM / 8 GB Flash / 200 KB Retain	4 GB RAM / 32 GB Flash / 200 KB Retain
Communication interfaces	1x Ethernet 10/100/1000 Base, RJ45		
	1x EtherCAT LVDS		
	-	WLAN / Bluetooth (optional)	
Protocols	EtherCAT Master and others available via third party suppliers		
Visualization	via display interface		
Additional features	2x Host USB 3.0 / USB plug type A		
	2x Host USB 2.0 / USB plug type A		
	1x digital display interface		
	1x 2 Pin JST for cooling fan (5V)		
	1x Real Time Clock, 72h Puffer		
	Extension: Heat sink (Option: H002)		
	Extension: Fan (Option: H003)		
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection		
Current consumption	Type 0.5A, max. 2A at +24 VDC		
Operating conditions Transport / storage	Ambient temperature: : Operational: -10 °C bis 45 °C (without additional cooling) / Transport -20 °C bis +70 °C Relative humidity: max. 85%, non-condensing		

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Description	**BC-Pi Prime S01**	**BC-Pi Prime S02**	**BC-Pi Prime S03**
Emitted interference	EN 61000-6-4, Industrial area		
Immunity to interference	EN 61000-6-2, Industrial area		
Protection class	III		
Insulation strength	SELV (Uw < 30 V) according EN 61131-2		
Protection type	IP20		

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