

X20(c)BB52

1 General information

The bus module is the base for all X20 Compact-S CPUs.

The left and right end plates are included in the delivery.

- Base for all X20 Compact-S CPUs
- RS232 connection

2 Coated modules

Coated modules are X20 modules with a protective coating for the electronics component. This coating protects X20c modules from condensation and corrosive gases.

The modules' electronics are fully compatible with the corresponding X20 modules.

For simplification purposes, only images and module IDs of uncoated modules are used in this data sheet.

The coating has been certified according to the following standards:

- Condensation: BMW GS 95011-4, 2x 1 cycle
- Corrosive gas: EN 60068-2-60, method 4, exposure 21 days



3 Order data

Model number	Short description	Figure
	System modules for Compact-S CPUs	
X20BB52	X20 Compact-S bus base, for Compact-S CPU and Compact-S CPU power supply module, base for integrated RS232 interface, X20 connection, X20 end cover plates (left and right) X20AC0SL1/X20AC0SR1 included	
X20cBB52	X20c Compact-S bus base, coated, for Compact-S CPU and Compact-S CPU power supply module, base for integrated RS232 interface, X20 connection, X20 end cover plates (left and right) X20AC0SL1/X20AC0SR1 included	

Table 1: X20BB52, X20cBB52 - Order data

4 Technical data

Model number	X20BB52	X20cBB52
Short description		
Bus module	X20 Compact-S CPU base - backplane for Compact-S CPU and Compact-S CPU power supply module	
Interfaces	1x RS232 connection	
General information		
B&R ID code	0xEB0A	0xFC37
Power consumption		
Bus	0.55 W	
Internal I/O	-	
Additional power dissipation caused by actuators (resistive) [W]	-	

Table 2: X20BB52, X20cBB52 - Technical data

Model number	X20BB52	X20cBB52
Certifications		
CE		Yes
UL	cULus E115267 Industrial control equipment	-
DNV GL		Temperature: B (0 - 55°C) Humidity: B (up to 100%) Vibration: B (4 g) EMC: B (bridge and open deck)
KR		Yes
EAC	Yes	-
I/O power supply		
Nominal voltage		24 VDC
Permissible contact load		10 A
Electrical properties		
Electrical isolation		Bus not isolated from RS232
Operating conditions		
Mounting orientation		
Horizontal		Yes
Vertical		Yes
Installation elevation above sea level		
0 to 2000 m		No limitation
>2000 m		Reduction of ambient temperature by 0.5°C per 100 m
Degree of protection per EN 60529		IP20
Ambient conditions		
Temperature		
Operation		
Horizontal mounting orientation		-25 to 60°C
Vertical mounting orientation		-25 to 50°C
Derating		-
Storage		-40 to 85°C
Transport		-40 to 85°C
Relative humidity		
Operation	5 to 95%, non-condensing	Up to 100%, condensing
Storage		5 to 95%, non-condensing
Transport		5 to 95%, non-condensing
Mechanical properties		
Note		Left and right X20 end cover plates included in delivery
Pitch		37.5 ^{+0.2} mm

Table 2: X20BB52, X20cBB52 - Technical data

5 Voltage routing

