# 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	DAD &
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]	<del>-</del>				

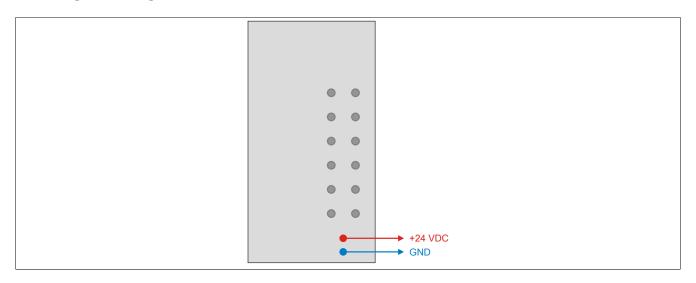
Table 2: X20BB52, X20cBB52 - Technical data

Data sheet V 1.20

Model number	X20BB52	X20cBB52	
Certifications			
CE	Yes		
UL	cULus E115267 Industrial control equipment	-	
DNV GL	Temperature: <b>B</b> (0 - 55°C) Humidity: <b>B</b> (up to 100%) Vibration: <b>B</b> (4 g) EMC: <b>B</b> (bridge and open deck)		
KR	Yes		
EAC	Yes	-	
I/O power supply			
Nominal voltage	24 VDC		
Permissible contact load	1	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



2 Data sheet V 1.20