

X20BB53

1 Other applicable documents

For additional and supplementary information, see the following documents.

Other applicable documents

Document name	Title
MAX20	X20 system user's manual
MAEMV	Installation / EMC guide

2 General information

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

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

- Base for all X20 Compact-S CPUs
- RS485 connection
- Integrated terminating resistor

3 Order data


Order number	Short description	Figure
	System modules for Compact-S PLCs	
X20BB53	X20 Compact-S bus base, for Compact-S CPU and Compact-S CPU power supply module, base for integrated RS485 interface, X20 connection, X20 end cover plates (left and right) X20AC0SL1/X20AC0SR1 included	

Table 1: X20BB53 - Order data

4 Technical data

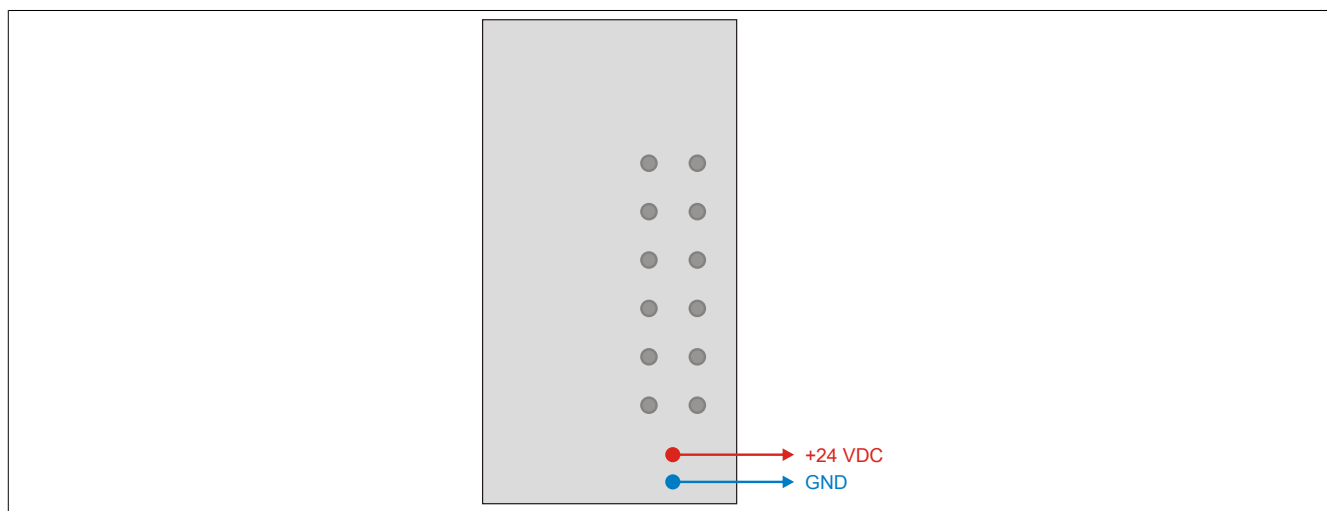
Order number	X20BB53	
Short description		
Bus module	X20 Compact-S CPU base - backplane for Compact-S CPU and Compact-S CPU power supply module	
Interfaces	1x RS485 connection	
General information		
B&R ID code	0xF4D1	
Power consumption		
Bus	0.55 W	
Internal I/O	-	
Additional power dissipation caused by actuators (resistive) [W]	-	
Certifications		
CE	Yes	
EAC	Yes	
I/O power supply		
Nominal voltage	24 VDC	
Permissible contact load	10 A	

Table 2: X20BB53 - Technical data

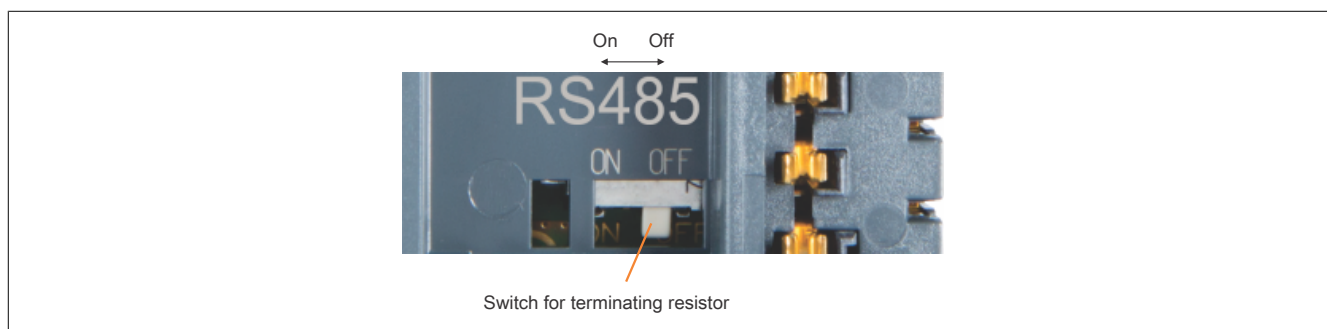
Order number	X20BB53
Electrical properties	
Electrical isolation	Bus not isolated from RS485
Operating conditions	
Mounting orientation	
Horizontal	Yes
Vertical	Yes
Installation elevation above sea level	
0 to 2000 m	No limitation
>2000 m	Reduction of ambient temperature by 0.5°C per 100 m
Degree of 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
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: X20BB53 - Technical data

5 Voltage routing



6 Terminating resistor for RS485 interface



A terminating resistor for the RS485 interface is already integrated on the bus base. The terminating resistor is switched on or off with a switch. An enabled terminating resistor is indicated on the power supply module by LED "T".

7 System requirements

The bus base is equipped with an RS485 interface. The following system requirements must be met to use this RS485 interface:

- Automation Studio 4.11 or higher
- Automation Runtime B4.92 or higher