

X20BB27

1 General information

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

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

- Base for all X20 Compact CPUs
- RS232 connection
- CAN bus connection
- Integrated terminating resistor for CAN bus

2 Order data

Model number	Short description	Figure
X20BB27	<p>System modules for compact CPUs</p> <p>X20 compact CPU base, for compact CPU and compact CPU power supply module, base for integrated RS232 and CAN bus interface, X20 connection, X20 locking plates (left and right) X20AC0SL1/X20AC0SR1 included</p>	

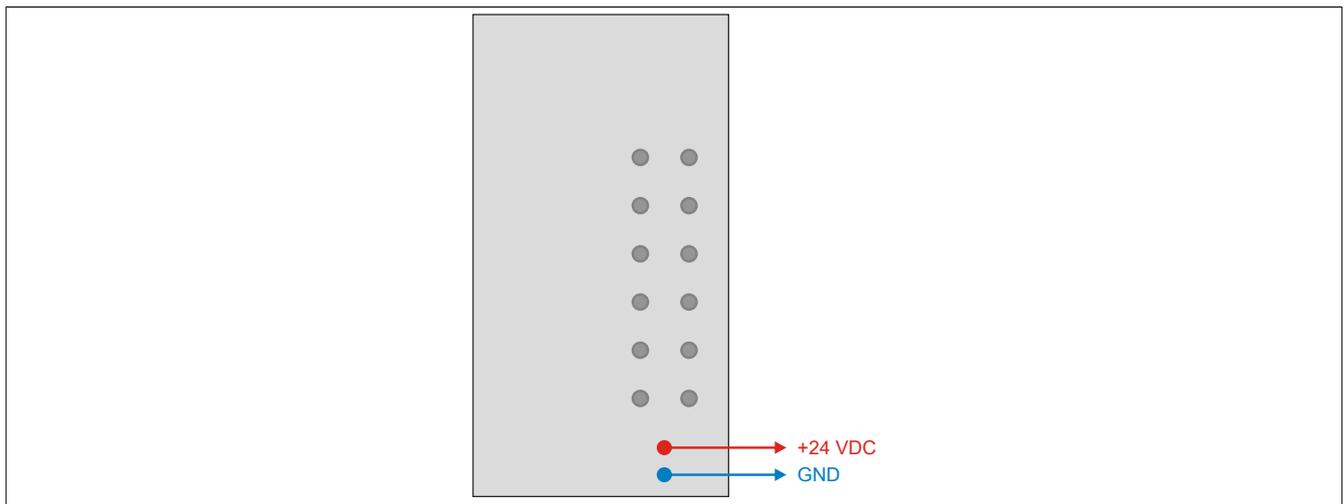
Table 1: X20BB27 - Order data

3 Technical data

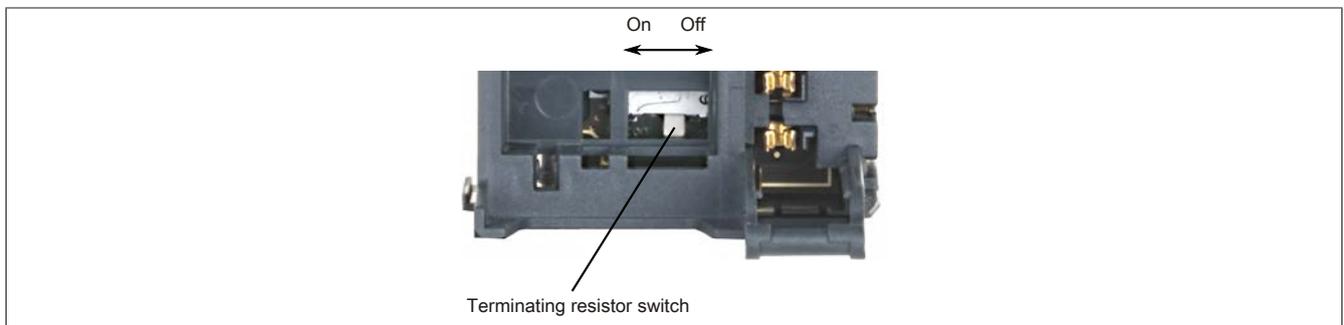
Model number	X20BB27
Short description	
Bus module	X20 compact CPU base - backplane for compact CPU and compact CPU supply module
Interfaces	1x RS232 connection, 1x CAN bus connection
General information	
Power consumption	
Bus	0.53 W
Internal I/O	-
Additional power dissipation caused by actuators (resistive) [W]	-
Certifications	
CE	Yes
KC	Yes
EAC	Yes
UL	cULus E115267 Industrial control equipment
HazLoc	cCSAus 244665 Process control equipment for hazardous locations Class I, Division 2, Groups ABCD, T5
ATEX	Zone 2, II 3G Ex nA nC IIA T5 Gc IP20, Ta (see X20 user's manual) FTZU 09 ATEX 0083X
DNV GL	Temperature: B (0 - 55°C) Humidity: B (up to 100%) Vibration: B (4 g) EMC: B (bridge and open deck)
LR	ENV1
KR	Yes
I/O power supply	
Nominal voltage	24 VDC
Permissible contact load	10 A
Electrical properties	
Electrical isolation	Bus, CAN bus and RS232 not isolated from each other
Operating conditions	
Mounting orientation	
Horizontal	Yes
Vertical	Yes
Installation elevation above sea level	
0 to 2000 m	No limitations
>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 locking plates included in delivery
Spacing	37.5 ^{+0.2} mm

Table 2: X20BB27 - Technical data

4 Voltage routing



5 Terminating resistor for CAN bus



The bus module has an integrated CAN bus terminating resistor. The terminating resistor is switched on or off using a switch. An enabled terminating resistor is indicated on the power supply module by LED "T".