## X20BB42

### 1 General information

The bus module is a base for all X20 Fieldbus CPUs. It is equipped with 2 slots for interface modules.

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

- · Base for all X20 Fieldbus CPUs
- · 2 slots for interface modules
- RS232 connection

#### Information:

The bus controller must be placed in the rightmost slot.

#### 2 Order data

Model number	Short description	Figure
	System modules for fieldbus CPUs	
X20BB42	X20 fieldbus CPU base, for fieldbus CPU and compact CPU power supply module, base for integrated RS232 interface, 2 slots for X20 interface modules, X20 connection, X20 locking plates (left and right) X20AC0SL1/X20AC0SR1 included	

Table 1: X20BB42 - Order data

#### 3 Technical data

Model number	X20BB42
Short description	
Bus module	X20 fieldbus CPU base, backplane for fieldbus CPU, field- bus CPU supply module and two interface modules
Interfaces	1x RS232 connection
General information	
Power consumption	
Bus	0.35 W
Internal I/O	-
Additional power dissipation caused by actuators (resistive) [W]	-

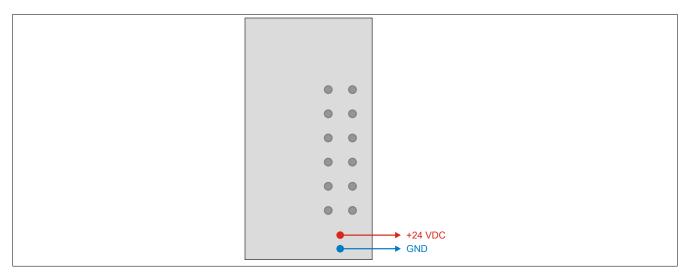
Table 2: X20BB42 - Technical data

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Model number	X20BB42
Certifications	
CE	Yes
KC	Yes
EAC	Yes
UL	cULus E115267
OL .	Industrial control equipment
HazLoc	cCSAus 244665
1.02200	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)
	FTZÚ 09 ATEX 0083X
DNV GL	Temperature: <b>B</b> (0 - 55°C)
	Humidity: <b>B</b> (up to 100%)
	Vibration: B (4 g)
1.0	EMC: <b>B</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 not isolated from RS232
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	11 20
Temperature	
Operation	
Horizontal mounting orientation	-25 to 60°C
9	
Vertical mounting orientation	-25 to 50°C
Derating	- -40 to 85°C
Storage	* ** ** *
Transport Political transition	-40 to 85°C
Relative humidity	- 1 A- 1
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	87.5 <sup>+0.2</sup> mm

Table 2: X20BB42 - Technical data

# 4 Voltage routing



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