X20BM21

1 General information

The bus module serves as a basis for all double-width X20 I/O modules. The internal I/O supply is isolated to the left. This allows the bus module to be used to set up a separate voltage group if the X20BT9100 bus transmitter is used for the supply.

- For creating voltage groups
- The internal I/O supply is isolated to the left

2 Order data

Model number	Short description	Figure
	Bus modules	
X20BM21	X20 power supply bus module, for double-width modules, 24 VDC keyed, internal I/O supply interrupted to the left	

Table 1: X20BM21 - Order data

3 Technical data

Model number	X20BM21
Short description	
Bus module	Power supply bus module for double-width modules, 24 VDC keyed, internal I/O supply interrupted to the left
General information	
Power consumption	
Bus	0.13 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) FTZÚ 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

Table 2: X20BM21 - Technical data

Model number	X20BM21
Permissible contact load	10 A
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	
Spacing	$25^{+0.2}$ mm

Table 2: X20BM21 - Technical data

4 Voltage routing

+24 VDC

GND