## X20(c)BM01

#### 1 General information

The bus module is the base for all supply modules.

- · Basis for all power supply modules
- · For creating voltage groups
- · The internal I/O supply is isolated to the left

#### 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
	Bus modules	
X20BM01	X20 power supply bus module, 24 VDC keyed, internal I/O supply interrupted to the left	7
X20cBM01	X20 power supply bus module, coated, 24 VDC keyed, internal I/O supply interrupted to the left	

Table 1: X20BM01, X20cBM01 - Order data

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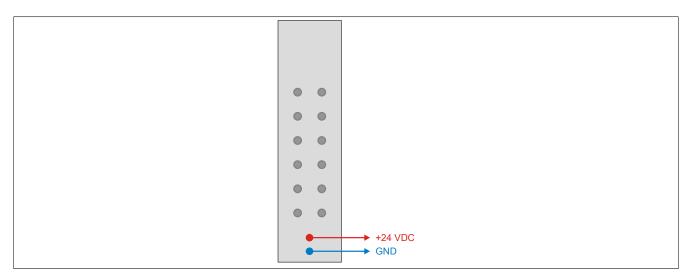
### 4 Technical data

Product ID	X20BM01	X20cBM01		
Short description				
Bus module	Power supply bus module, 24 VDC keyed	I, internal I/O supply interrupted to the left		
General information				
Power consumption				
Bus	0.13 W			
Internal I/O	-			
Additional power dissipation caused by the actua-				
tors (resistive) [W]				
Certification				
CE	Ye	es		
cULus	Ye	es		
cCSAus HazLoc Class 1 Division 2	Yes	-		
ATEX Zone 2 1)	Ye	es		
KC	Yes	-		
GL	Ye	es		
GOST-R	Ye	es		
I/O supply				
Nominal voltage	24 VDC			
Permitted contact load	10	Α		
Operating conditions				
Mounting orientation				
Horizontal	Yes			
Vertical	Yes			
Installation at elevations above sea level				
0 to 2000 m	No limi	tations		
>2000 m	Reduction of ambient temperature by 0.5°C per 100 m			
EN 60529 protection	IP20			
Environmental conditions				
Temperature				
Operation				
Horizontal installation	-25 to 60°C			
Vertical installation	-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%, nor	n-condensing		
Mechanical characteristics				
Spacing	12.5 +	<sup>0.2</sup> mm		

Table 2: X20BM01, X20cBM01 - Technical data

Ta min.: 0°C Ta max.: See environmental conditions

# 5 Voltage routing



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