

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

Table 1: X20BM01, X20cBM01 - Order data

## 4 Technical data

Product ID	X20BM01	X20cBM01
<b>Short description</b>		
Bus module	Power supply bus module, 24 VDC keyed, internal I/O supply interrupted to the left	
<b>General information</b>		
Power consumption		
Bus		0.13 W
Internal I/O		-
Additional power dissipation caused by the actuators (resistive) [W]		-
Certification		
CE		Yes
cULus		Yes
cCSAus HazLoc Class 1 Division 2	Yes	
ATEX Zone 2 <sup>1)</sup>		Yes
KC	Yes	
GL		Yes
GOST-R		Yes
<b>I/O supply</b>		
Nominal voltage		24 VDC
Permitted contact load		10 A
<b>Operating conditions</b>		
Mounting orientation		
Horizontal		Yes
Vertical		Yes
Installation at elevations above sea level		
0 to 2000 m		No limitations
>2000 m		Reduction of ambient temperature by 0.5°C per 100 m
EN 60529 protection		IP20
<b>Environmental conditions</b>		
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%, non-condensing
<b>Mechanical characteristics</b>		
Spacing		12.5 <sup>+0.2</sup> mm

Table 2: X20BM01, X20cBM01 - Technical data

- 1) Ta min.: 0°C  
Ta max.: See environmental conditions

## 5 Voltage routing

