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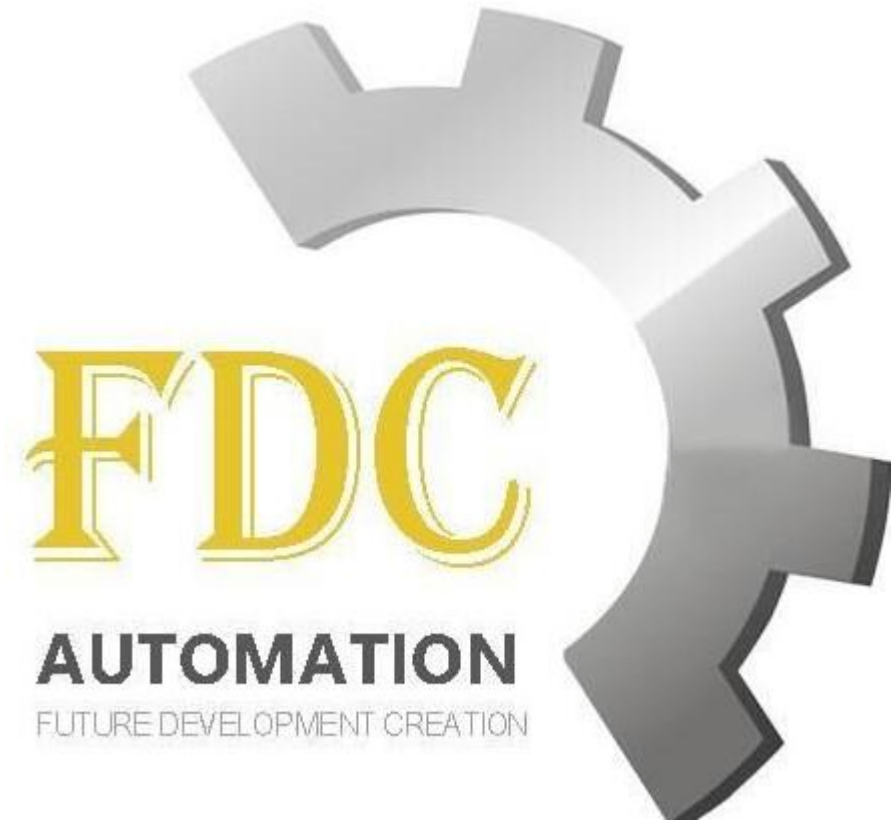

X20(c)BM01

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	
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
Short description		
Bus module	Power supply bus module, 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 the actuators (resistive) [W]	-	
Certification		
CE	Yes	
cULus	Yes	
cCSAus HazLoc Class 1 Division 2	Yes	-
ATEX Zone 2 [1)]	Yes	
KC	Yes	-
GL	Yes	
GOST-R	Yes	
I/O supply		
Nominal voltage	24 VDC	
Permitted contact load	10 A	
Operating conditions		
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	
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%, non-condensing	
Mechanical characteristics		
Spacing	12.5 $^{+0.1}$ mm	

Table 2: X20BM01, X20cBM01 - Technical data

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

5 Voltage routing