

X20(c)BM11

1 General information

The bus module serves as the base for all 24 VDC X20 I/O modules. The internal I/O supply is interconnected.

- Bus module for 24 VDC I/O modules
- The internal I/O supply is interconnected

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	
X20BM11	X20 bus module, 24 VDC keyed, internal I/O supply continuous	
X20cBM11	X20 bus module, coated, 24 VDC keyed, internal I/O supply continuous	

Table 1: X20BM11, X20cBM11 - Order data

4 Technical data

Product ID	X20BM11	X20cBM11
Short description		
Bus module	Bus module, 24 VDC keyed, internal I/O supply continuous	
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 ^{+0.2} mm

Table 2: X20BM11, X20cBM11 - Technical data

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

5 Voltage routing

