

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

Model number	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	
KC	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 = 0 - max. 60°C FTZÚ 09 ATEX 0083X	
DNV GL	Temperature: B (0 - 55°C) Humidity: B (up to 100%) Vibration: B (4g) EMC: B (Bridge and open deck)	
LR	ENV1	
GOST-R	Yes	
I/O power 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	-	
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

5 Voltage routing

