

X20BC00E3

Dados Técnicos	Informações básicas	Acessórios	Downloads
Short description ▼			
Bus controller		PROFINET IO slave	
General information ▼			
B&R ID code		0xBB7D	
Status indicators		Module status, bus function	
Diagnostics			
Module status		Yes, using LED status indicator and software	
Bus function		Yes, using LED status indicator and software	
Power consumption			
Bus		2.5 W	
Additional power dissipation caused by actuators (resistive) [W]		-	
Certifications			

CE	Yes
UKCA	Yes
ATEX	Zone 2, II 3G Ex nA nC IIA T5 Gc IP20, Ta (see X20 user's manual) FTZÚ 09 ATEX 0083X
UL	cULus E115267 Industrial control equipment
HazLoc	cCSAus 244665 Process control equipment for hazardous locations Class I, Division 2, Groups ABCD, T5
EAC	Yes
Interfaces 	
Fieldbus	PROFINET IO slave
PROFINET attributes	
Conformance class	B

Performance class	RT
Variant	2x shielded RJ45 (switch)
Line length	Max. 100 m between 2 stations (segment length)
Transfer rate	100 Mbit/s
Transfer	
Physical layer	100BASE-TX
Half-duplex	Yes
Full-duplex	Yes
Autonegotiation	Yes
Auto-MDI/MDIX	Yes
Min. cycle time ⓘ	
Fieldbus	1 ms
X2X Link	250 µs
Synchronization between bus systems possible	Yes
Electrical properties	▼
Electrical isolation	PROFINET isolated from bus and I/O

Operating conditions



Mounting orientation

Horizontal	Yes
Vertical	Yes

Installation elevation above sea level

0 to 2000 m	No limitation
>2000 m	Reduction of ambient temperature by 0.5°C per 100 m
Degree of protection per EN 60529	IP20

Ambient conditions



Temperature

Operation	
Horizontal mounting orientation	-25 to 60°C
Vertical mounting orientation	-25 to 50°C
Derating	-
Storage	-40 to 85°C
Transport	-40 to 85°C

Relative humidity

Operation	5 to 95%, non-condensing
Storage	5 to 95%, non-condensing

Transport	5 to 95%, non- condensing
Mechanical properties	▼
Note	Order 1x terminal block X20TB12 separately. Order 1x power supply module X20PS9400 or X20PS9402 separately. Order 1x bus base X20BB80 separately.
Pitch ⓘ	37.5 ^{+0.2} mm