

X20IF1091

Data sheet 2.30 (February 2025)



Publishing information

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Version history

B&R makes every effort to keep documents as current as possible. The most current versions are available for download on the B&R website (www.br-automation.com).

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1 General information

1.1 Other applicable documents

For additional and supplementary information, see the following documents.

Other applicable documents

Document name	Title	
MAX20	X20 System user's manual	

1.2 Order data

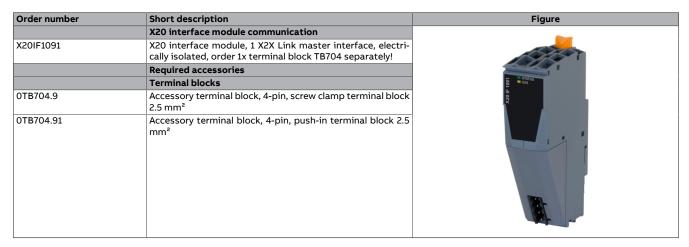


Table 1: X20IF1091 - Order data

1.3 Module description

The interface module is used for application-specific expansion of the X20 controllers. It is equipped with an X2X Link master interface.

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2 Technical description

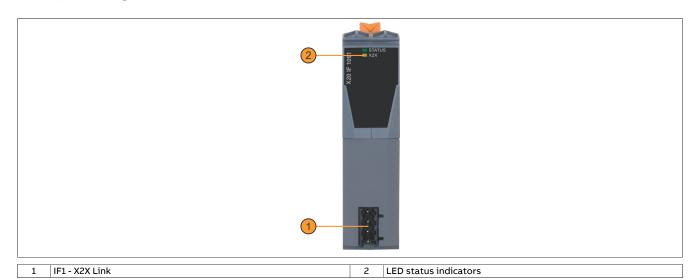
2.1 Technical data

Order number	X20IF1091
Short description	
Communication module	1x X2X Link master
General information	
B&R ID code	0x1F24
Status indicators	Module status, data transfer
Diagnostics	·
Module status	Yes, using LED status indicator
Data transfer	Yes, using LED status indicator
Power consumption	0.97 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
KC	Yes
Interfaces	
Interface IF1	
Fieldbus	X2X Link master
Variant	4-pin male multipoint connector
Number of stations	Max. 253
Internal bus power supply	No
Network topology	Line
Distance between 2 stations	Max. 100 m
Bus terminating resistor	Internal
Electrical properties	
Electrical isolation	PLC isolated from X2X Link (IF1)
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 TB704 separately.
Slot	In the X20 PLC

Table 2: X20IF1091 - Technical data

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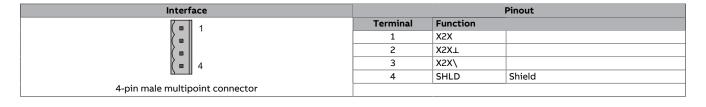
2.2 Operating and connection elements



2.2.1 LED status indicators

Figure	LED	Color	Status	Description
STATUS X2X	STATUS	Green	On	Interface module active
		Red	On	The controller is starting up.
	X2X	Yellow	On	Module sending data via the X2X Link interface

2.2.2 X2X Link interface (IF1)



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3 Commissioning

3.1 Firmware

The module comes with preinstalled firmware. The firmware is part of the Automation Studio project. The module is automatically brought up to this level.

A hardware upgrade must be performed to upgrade the firmware included in Automation Studio (see Help "Project management - Workspace - Upgrades" in Automation Help).

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