

APTER POWER

COMPLETE PRODUCT INFORMATION

X20cDC2190

Coated Ultrasonic Path Measurement Module

B&R X20cDC2190 is a coated ultrasonic path measurement module for the documented X20 System installation.

PRODUCT SNAPSHOT

BRAND
B&R

FAMILY
X20 System

PART
X20cDC2190

ORIGIN / HS
Austria / 8537101190

APTER POWER

WHATSAPP / PHONE
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SHIP FROM
Xiamen, Fujian, China



PRODUCT OVERVIEW

B&R X20cDC2190 is a coated ultrasonic path measurement module for the documented X20 System installation.

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Provides ultrasonic path and speed measurement
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Uses exact B&R article identity X20cDC2190
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Matches path rods: 2
- 

Matches path recorders: 4

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximator Sensor	AISI 4140 target

ENGINEERING CONTEXT

The product performs ultrasonic path and speed measurement in the documented coated X20 I/O station. Installation and commissioning must preserve the exact identity, interfaces and approved configuration.

TECHNICAL DATA

PARAMETER	VALUE
Path rods	2
Path recorders	4
Speed measurement	Supported
Encoder supply	24 VDC, maximum 150 mA
Path resolution	0.01 mm

PARAMETER	VALUE
Path range	+/-5.2 m
Speed resolution	0.1 mm/s
Speed range	+/-3.2 m/s
Input/output level	RS422 differential

TECHNICAL NOTE

Confirm B&R X20cDC2190, coated X20 I/O station, two path-measurement rods and four path recorders, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

X20 System system maintenance

Restores ultrasonic path and speed measurement in the documented installation.

Controlled hardware replacement

Preserves the exact X20cDC2190 identity and approved configuration.

Interface verification

Confirms two path-measurement rods and four path recorders before energization.

Functional recommissioning

Reviews diagnostics and records the controlled system response.

PRODUCT PRECAUTIONS

1

Confirm the complete B&R X20cDC2190 marking and installed X20 System position before work.

2

Place the machine or process in the approved maintenance state and isolate every applicable energy

3

Record two path-measurement rods and four path recorders, terminal assignments, shielding and

4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

5

Verify path rods (2) against the installed project and connected hardware.

6

Verify path recorders (4) and restore only the approved configuration.

7

Energize in the prescribed sequence and review module, host and network diagnostics.

8

Complete a controlled ultrasonic path and speed measurement test and retain the acceptance result

ENGINEER FAQ

Q1 How is the exact X20cDC2190 execution identified?

Match the complete B&R X20cDC2190 marking and the controlled installed-position record.

Q2 What documented role does X20cDC2190 perform?

It performs ultrasonic path and speed measurement in the documented coated X20 I/O station.

Q3 Which host must be matched before fitting X20cDC2190?

Match the exact coated X20 I/O station and approved system position.

Q4 Which interfaces must be recorded for X20cDC2190?

Record two path-measurement rods and four path recorders, mounting, shielding, grounding and cable routing.

Q5 What isolation controls apply to X20cDC2190?

Place the machine or process in the approved maintenance state and isolate every applicable energy source.

Q6 What must be restored after installing X20cDC2190?

Verify path recorders (4) and restore only the approved configuration.

Q7 What proves X20cDC2190 is ready for service?

Retain diagnostics and a controlled ultrasonic path and speed measurement response test.

Q8 Which manufacturer record supports the X20cDC2190 page?

Data sheet X20(c)DC2190 and the official B&R product record for X20cDC2190.

RELATED APTER POWER PAGES

330180-X1-05-MOD-143416-02	330901-05-55-05-11-05	146054-14-10-02-00	330104-04-09-50-02-05
330104-00-10-05-12-05	330105-XX-XX-10-02-05-MOD-15	330105-XX-XX-10-02-05-MOD-15	330171-00-14-10-02-05

SOURCE B&R X20cDC2190 product data | Data sheet X20(c)DC2190

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