

MNSIS SERIES

Product Data Sheet

1TGE120021R0010

industrial communication gateway

FUNCTION industrial communication gateway	FAMILY MNSiS Series	ORIGIN Germany	WEIGHT 2.45 kg
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MNSiS Series 1TGE120021R0010 is a industrial communication gateway for the MNSiS Series. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Manufacturer	ABB
Exact Article Code	1TGE120021R0010
Product Family	MNSiS Series
Component Type	Industrial Communication Gateway
System Class	DCS System
Mounting Format	Plug-in control rack
System Interface	MNS iS internal bus
Control Supply	24 V DC control supply
Channel Capacity	Model-defined channel set
Signal Standard	System-specific I/O levels

ADDITIONAL PRODUCT DATA

Electrical Isolation	Isolated field circuits
Operating Temperature	0 to +55 °C cabinet range
Protection Level	Motor-control-center section
Configuration Tool	MNS iS engineering tools
Commissioning Test	I/O and diagnostic functional test

OFFICIAL APPLICATIONS

- Operate the documented industrial communication gateway: Use 1TGE120021R0010 in the specified MNSiS Series position with the documented supply, signal range and system interface. Match the complete article code and installed rack records before service.
- Restore every documented connection: Record terminal numbers, connector keying, rack position, shields and protective earth for 1TGE120021R0010. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1TGE120021R0010, check power and module diagnostics, then test the affected I/O, communication, controller or measurement function at a safe operating point and record acceptance.

SYSTEM COMPATIBILITY

Match 1TGE120021R0010 to the installed MNSiS Series, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB MNSiS Series manufacturer documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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