

ABB MNS DIGITAL MOTOR-CONTROL SYSTEMS

Product Data Sheet

1TGE120021R0810

digital switchgear gateway

FUNCTION	FAMILY	ORIGIN	WEIGHT
digital switchgear gateway	ABB MNS Digital motor-control systems	Switzerland	2.45 kg

MNSiS Series 1TGE120021R0810 is a digital switchgear gateway for the ABB MNS Digital motor-control systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

DCS Protocol	Modbus
Fieldbus Interfaces	RS-485, RS-422, RS-232 and Ethernet
Ethernet Standard	IEEE 802.3 TCP/IP
Switchgear Bus	Four Modbus RTU ports
Connected Devices	Up to 128 M10x devices
Supply Voltage	24 V DC
Supply Range	19 to 31 V DC
Typical Current	800 mA
Maximum Current	1000 mA
Storage Temperature	-20 to +70 °C

ADDITIONAL PRODUCT DATA

Operating Temperature	0 to +55 °C
Protection Degree	IP51
MTBF	46 years at 40 °C
Network Connection	RJ45 LAN port
Redundancy	Primary and backup gateway operation

OFFICIAL APPLICATIONS

- Motor Control Centers and Plant Distribution Switchgear: Switchgear data integration
- Pump Stations and Compressor Auxiliary Switchgear: Motor system communications
- Treatment Plant Motor Control and Pump Panels: Utility drive integration

SYSTEM COMPATIBILITY

Match 1TGE120021R0810 to the installed ABB MNS Digital motor-control systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB official manufacturer documentation](#)

AMIKON PRODUCT SUPPORT

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