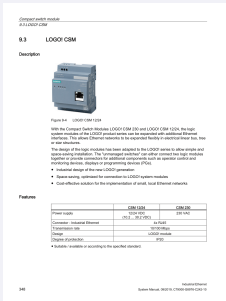


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6GK7177-1MA20-0AA0

LOGO! CSM 12/24 compact Ethernet switch



ETHERNET PORTS	DATA RATE	SUPPLY	OPERATION
4 x RJ45	10 / 100 Mbit/s	12/24 V DC	Unmanaged

Siemens 6GK7177-1MA20-0AA0 is the LOGO! CSM 12/24 compact switch module for small Industrial Ethernet networks. Four RJ45 ports connect a LOGO! controller and up to three additional Ethernet nodes at 10 or 100 Mbit/s.

01 VERIFIED PRODUCT PARAMETERS

Ethernet connections	4 RJ45 ports, including one front-facing diagnostic access port
Supported transfer rates	10 and 100 Mbit/s
DC supply range	10.2 to 30.2 V DC
Maximum current consumption	0.15 A
Rated power loss	1.5 W
Power connection	One 3-pole terminal block
Supply input protection	Fuse at power supply input
Permitted operating temperature	0 to 55 deg C
Maximum relative humidity	90% at 25 deg C, without condensation
Protection rating	IP20

Technical values were verified against Siemens Industrial Ethernet 09/2019; ST 70 2025, 2/29-2/30 and the Siemens Industry Mall record for the exact article number.

02 MECHANICAL AND LIFECYCLE DATA

Body dimensions (W x H x D)	71.5 x 90 x 58.2 mm
Net weight (official technical data)	Approx. 0.15 kg
Country of origin	Germany
Lifecycle	Active product in the Siemens catalog

03 SYSTEM ROLE AND APPLICATIONS

The unmanaged switch operates from a 12/24 V DC supply and supports line, tree or star arrangements. A front-facing Ethernet port provides accessible diagnostic connections inside the cabinet; it is one of the four ports, not an additional fifth port.

- Operator-panel networking: connect LOGO! logic and an operator control or monitoring device through a small local Ethernet network.
- Cabinet maintenance access: connect a programming or diagnostic device at the front port while other nodes remain cabled.
- Standalone equipment networking: link compatible Ethernet devices in a line, tree or star arrangement without requiring a LOGO! CPU.

04 OFFICIAL INSTALLATION FACTS

- Before work, verify the complete article number and identify the 12/24 V DC variant, not the CSM 230 version.
- Use the documented 35 mm DIN-rail or wall-mounting arrangement; S7-300 and S7-1500 rail mounting are not specified.
- Connect the identified 3-pole supply terminal within the 10.2 to 30.2 V DC range; verify polarity on the device marking.
- Allocate the four RJ45 ports to the intended 10/100 Mbit/s nodes and retain access to the front diagnostic connection.

05 OFFICIAL DOCUMENTATION

Siemens Industrial Ethernet 09/2019; ST 70 2025, 2/29-2/30

AMIKON PRODUCT SUPPORT

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