

Product type designation



LOGO! CMR200

LOGO! CMR200 COMMUNICATION MODULE FOR CONNECT.
 LOGO! 0BA8 TO GSM/GPRS NET; 1 RJ45 PORT FOR IND.
 ETHERNET-CONNECTION TO LOGO! 0BA8; 2XDI;2XDO;
 READ/WRITE-ACCESS TO LOGO!-VARIABLES; SMS
 SEND/RECEIVE; POSITION RECOGN. GPS; TIME SYN./FORWAR-
 DING WITH REAL TIME CLOCK; CONFIG./DIAG.PER WEB-
 INTERFACE; NOTE NATIONAL APPROVALS! MANUAL
 AVAILABLE AS DOWNLOAD.

Transmission rate

Transfer rate

• at the 1st interface	10 ... 100 Mbit/s
• for GPRS transmission	
— with downlink / maximum	80 kbit/s
— with uplink / maximum	40 kbit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet	1
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	1
• for external antenna(s)	2
• for power supply	1
Number of slots	
• for SIM cards	1
• for memory cards	1
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port

<ul style="list-style-type: none"> • for external antenna(s) • for power supply 	SMA socket (50 ohms) 3-pole terminal block
Type of antenna <ul style="list-style-type: none"> • at port 1 / connectable • at port 2 / connectable 	GPS Antenna Mobile radio antenna (GPRS/GSM)
Slot version <ul style="list-style-type: none"> • for SIM card • of the memory card 	Standard microSD
Storage capacity / of the memory card / maximum	8 Gbyte
Performance class of the memory card / minimum necessary	Class 6
Type of file system / Type of file system	FAT32

Signal-Inputs/outputs

Number of electrical connections / for digital input signals	2
Type of electrical connection / for digital input signals	3 pole terminal block
Digital input version	not potential seperated
Input voltage / at digital input <ul style="list-style-type: none"> • with signal <0> / at DC • for signal <1> / at DC 	0 ... 5 V 8.5 ... 24 V
Input current / at digital input / for signal <1> / maximum	5.5 mA
Number of electrical connections / for digital output signals	2
Type of electrical connection / for digital output signals	3 pole terminal block
Digital output version	transistor, not potential seperated
Output voltage / at digital output <ul style="list-style-type: none"> • for signal <1> ¹⁾ • for signal <0> 	12 ... 24 V 0 ... 5 V
Output current / at digital output / for signal <1> / maximum	0.3 A

Wireless technology

Type of mobile wireless service <ul style="list-style-type: none"> • is supported • Note 	SMS, GPRS GPRS (Multislot Class 10, Mobile Station Class B)
Type of mobile network / is supported	GSM
Operating frequency <ul style="list-style-type: none"> • for GSM transmission • with UMTS transmission • for LTE transmission 	850 MHz, 900 MHz, 1800 MHz, 1900 MHz

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage / external	12 ... 24 V
Supply voltage / external / at DC / Rated value	12 ... 24 V
Supply voltage / for GPS antenna / maximum	3.8 V; at 5 mA: 3,575 V / at 10 mA: 3,35 V / at 15 mA: 3,125 V
Relative positive tolerance / at DC / at 24 V	20 %
Relative negative tolerance / at DC / at 12 V	10 %
Consumed current	
<ul style="list-style-type: none"> • from external supply voltage / at DC / at 12 V / maximum 	0.25 A
<ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / maximum 	0.125 A
Output current / for GPS antenna / maximum	15 mA
Power loss [W]	3 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-20 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Module format	Compact module, for rail mounting
Width	71.5 mm
Height	90 mm
Depth	58.2 mm
Net weight	0.16 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes

Performance data

Number of possible connections / to the LOGO! logic module	1
Number of users/telephone numbers / definable / maximum	20
Number of user groups / definable / maximum	20
Number of signals / for monitoring or device control / definable / maximum	32
Number of events / for monitoring / definable / maximum	32
number of actions / definable / maximum	32

Performance data / telecontrol

Protocol / is supported • TCP/IP	No
Configuration software • required	WEB-Interface

Product functions / Diagnosis

Product function / Web-based diagnostics	Yes
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Product functions / Security

Product function • password protection for Web applications	Yes
• switch-off of non-required services	Yes
• log file for unauthorized access	Yes

Product functions / Time

Product function / pass on time synchronization	Yes
time synchronization • from NTP-server	Yes
• from GPS-signal	Yes
• from mobile network provider	Yes

Product functions / Position recognition

Product function / position detection with GPS	Yes
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Further Information / Internet Links

Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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¹⁾ Value of the actual supply voltage

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