

### 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 APPROVEMENTS!

### Transmission rate

#### Transfer rate

- |   |                   |
|---|-------------------|
| • at the 1st interface                            | 10 ... 100 Mbit/s |
| • for GPRS transmission / with downlink / maximum | 80 kbit/s         |
| • for GPRS transmission / 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                     |
| Design of the electrical connection                  |                       |
| • at the 1st interface / acc. to Industrial Ethernet | RJ45 port             |
| • for power supply                                   | 3-pole terminal block |

<ul style="list-style-type: none"> <li>• for external antenna(s)</li> </ul>	SMA socket (50 ohms)
Slot version	
<ul style="list-style-type: none"> <li>• for SIM card</li> <li>• of the memory card</li> </ul>	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
Design of the electrical connection / for digital input signals	3 pole terminal block
Digital input version	not potential separated
Input voltage / at digital input	
<ul style="list-style-type: none"> <li>• with signal &lt;0&gt; / for DC</li> <li>• for signal &lt;1&gt; / for DC</li> </ul>	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
Design of the electrical connection / for digital output signals	3 pole terminal block
Digital output version	transistor, not potential separated
Output voltage / at digital output	
<ul style="list-style-type: none"> <li>• for signal &lt;1&gt;</li> <li>• for signal &lt;0&gt;</li> </ul>	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"> <li>• is supported</li> <li>• Note</li> </ul>	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"> <li>• for GSM transmission</li> <li>• with UMTS transmission</li> <li>• for LTE transmission</li> </ul>	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 / 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 / for DC / at 24 V	20 %
Relative negative tolerance / for DC / at 12 V	10 %

Consumed current	
<ul style="list-style-type: none"> <li>• from external supply voltage / for DC / at 12 V / maximum</li> </ul>	0.25 A
<ul style="list-style-type: none"> <li>• from external supply voltage / for DC / at 24 V / maximum</li> </ul>	0.125 A
Output current / for GPS antenna / maximum	15 mA
Active power loss	3 W

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-20 ... +70 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-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"> <li>• 35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes

#### Performance data

#### Product functions / management, configuration

Configuration software	
<ul style="list-style-type: none"> <li>• required</li> </ul>	WEB-Interface

#### Product functions / Diagnosis

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

Product function	
<ul style="list-style-type: none"> <li>• password protection for Web applications</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• switch-off of non-required services</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• log file for unauthorized access</li> </ul>	Yes

#### Product functions / Time

Product function / pass on time synchronization	Yes
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#### 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
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<http://support.automation.siemens.com>

## Security information

### Security information

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