

Product type designation

LOGO! CMR2020

LOGO! CMR2020 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./FORWARDING 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"> • for external antenna(s) 	SMA socket (50 ohms)
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
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"> • with signal <0> / for DC • for signal <1> / for 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
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"> • for signal <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 / 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"> • from external supply voltage / for DC / at 12 V / maximum 	0.25 A
<ul style="list-style-type: none"> • from external supply voltage / for DC / at 24 V / maximum 	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"> • 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

Product functions / management, configuration

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