## SIEMENS

## Data sheet

## 6GK7142-7BX00-0AX0



LOGO! CMR2020 communication module for connection LOGO! 8 to GSM/GPRS network; 1 RJ45 port for Ind. Ethernet connection to LOGO! 8; 2xDI; 2xDQ; Write/read access to LOGO! tags; Text message sending/ receipt; E-mail sending; Position detection GPS; Time synchronization/ forwarding with real-time clock; Configuration/diagnostics via web interface; Remote access via OpenVPN/HTTPs, DynDNS; Observe national approval! Manual available as a download

transfer rate <ul> <li>at the 1st interface</li> <li>for GPRS transmission</li> <li>with downlink / maximum</li> <li>80 kbit/s</li> </ul>	transfer rate	
<ul> <li>for GPRS transmission         <ul> <li>with downlink / maximum</li> <li>80 kblt/s</li> <li>40 kbit/s</li> </ul> </li> <li>mumber of interfaces / acc. to Industrial Ethernet         <ul> <li>number of leactrical connections</li> <li>at the 1st interface / acc. to Industrial Ethernet</li> <li>for external antenna(s)</li> <li>2</li> <li>for SIM cards</li> <li>for SIM cards</li> <li>for SIM cards</li> <li>at the 1st interface / acc. to Industrial Ethernet</li> <li>for some supply</li> </ul> </li> <li>number of electrical connection         <ul> <li>for SIM cards</li> <li>for SIM cards</li> <li>for some supply</li> <li>for power supply</li> <li>sthe 1st interface / acc. to Industrial Ethernet</li> <li>RU45 port</li> </ul> </li> <li>type of electrical connection         <ul> <li>of ro sower supply</li> <li>spole terminal block</li> <li>type of antenna</li> <li>at connection 1 / connectable</li> <li>GPS Antenna</li> <li>Mobile radio antenna (GPRS/GSM)</li> <li>wire length / of antenna wire / maximum</li> <li>for memory card</li> <li>microSD</li> </ul> </li> <li>storage capacity / of the memory card / maximum</li> <li>storage capacity / of the memory card / minimum</li> <li>necessary</li> <li>type of electrical connections / for digital input signals</li> <li>pole terminal block</li> </ul> <li>type of electrical connection / for digital input signals</li> <li>pole terminal block</li> <li>digital input version</li> <li>not galvanically isolated, not debounced</li> <li>with signal &lt;-0.7 hat DC</li> <li>0 5 V</li>	transfer rate	
with downlink / maximum     80 kbit/s       with uplink / maximum     40 kbit/s       Interfaces     1       number of interfaces / acc. to Industrial Ethernet     1       number of slots     1       • for power supply     1       number of slots     1       • for for power supply     1       number of slots     1       • for memory cards     1       type of electrical connection     1       • for memory cards     1       type of electrical connection     RJ45 port       • for power supply     3-pole terminal block       type of electrical connectable     GPS Antenna       • at connection 1 / connectable     GPS Antenna       • at connection 2 / connectable     GPS Antenna       • at connection 2 / connectable     GPS Antenna       • for memory card     standard       • of or SIM cardd     Standard       • of or SIM cardd     Standard       • of or SIM cardd     Class 6       recessary     FAT32       type of file system 1/ pof file system     FAT32       type of electrical connector / for digital input signals     3 pole terminal block       type of electrical connector / for digital input signals     2       type of electrical connector / for digital input signals     2 <td><ul> <li>at the 1st interface</li> </ul></td> <td>10 100 Mbit/s</td>	<ul> <li>at the 1st interface</li> </ul>	10 100 Mbit/s
with uplink / maximum     40 kbit/s       Interfaces       number of interfaces / acc. to Industrial Ethernet     1       number of electrical connections     1       • at the 1st interface / acc. to Industrial Ethernet     1       • for external antenna(s)     2       • for solver supply     1       number of slots     1       • for SIM cards     1       • for solver supply     1       • for nemory cards     1       type of electrical connection     1       • for power supply     3-pole terminal block       type of electrical connection     GPS Antenna       • at connection 1 / connectable     GPS Antenna       • at connection 2 / connectable     Mobile radio antenna (GPRS/GSM)       wire length / of antenna wire / maximum     15 m       slot version     standard       • of the memory card     microSD       storage capacity / of the memory card / maximum     32 Gibyte       signal inputs/outputs     PAT32       signal inputs/outputs     3 pole terminal block       type of electrical connection 1/ for digital input signals     2       type of file system     FAT32       signal inputs/outputs     a pole terminal block       type of file system     FAT32       signal input version     not galvanically i	<ul> <li>for GPRS transmission</li> </ul>	
Interfaces           number of interfaces / acc. to Industrial Ethernet         1           number of electrical connections         1           • at the 1st interface / acc. to Industrial Ethernet         1           • for power supply         1           number of slots         2           • for SIM cards         1           • for power supply         3-pole terminal block           • for SIM card         GPS Antenna           • at connection 1 / connectable         GPS Antenna           • for SIM card         Standard	— with downlink / maximum	80 kbit/s
number of interfaces / acc. to Industrial Ethernet       1         number of electrical connections       at the 1st interface / acc. to Industrial Ethernet       1         • for power supply       1         number of slots       1         • for power supply       1         number of slots       1         • for power supply       1         number of electrical connection       1         • at the 1st interface / acc. to Industrial Ethernet       RJ45 port         type of electrical connection       •         • for power supply       3-pole terminal block         type of electrical connectable       GPS Antenna         • at connection 1 / connectable       Mobile radio antenna (GPRS/GSM)         • wire length / of antenna       1         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         • of the memory card       15 m         slot version       15 m         • for SIM card       Standard         • of the memory card / maximum       32 clibyte         clears of the memory card / maximum       32 clibyte         slogenal input/sloutputs       Class 6         number of electrical connections / for digital input signals       2         type of file system / type of file system       FAT3	— with uplink / maximum	40 kbit/s
number of electrical connections       1         • at the 1st interface / acc. to Industrial Ethernet       1         • for external antenna(s)       2         • for external antenna(s)       1         number of slots       1         • for SIM cards       1         • for memory cards       1         type of electrical connection       1         • at the 1st interface / acc. to Industrial Ethernet       RJ45 port         type of electrical connection       •         • for external antenna(s)       SMA socket (50 ohms)         • for power supply       3-pole terminal block         type of antenna       •         • at connection 1 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       15 m         • for SIM card       Standard         • of the memory card / maximum       32 Gibyte         genal participation       FAT32         storage capacity / of the memory card / minimum       Class 6         necessary       runitinum         necessary       FAT32         signal input/solutputs       3 pole terminal block         not	interfaces	
• at the 1st interface / acc. to Industrial Ethernet       1         • for power supply       1         number of slots       1         • for memory cards       1         • for memory cards       1         • type of electrical connection       1         • of external antenna(s)       SMA socket (50 ohms)         • at the 1st interface / acc. to Industrial Ethernet       RJ45 port         type of electrical connection       SMA socket (50 ohms)         • for power supply       3-pole terminal block         type of antenna       GPS Antenna         • at connection 1 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       introSD         • for SIM card       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         nucessary       type of electrical connection / for digital input signals         type of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       input signals       3 p	number of interfaces / acc. to Industrial Ethernet	1
<ul> <li>for external antenna(s)</li> <li>for power supply</li> <li>number of slots</li> <li>for SIM cards</li> <li>for memory cards</li> <li>type of electrical connection</li> <li>at the 1st interface / acc. to Industrial Ethernet</li> <li>RJ45 port</li> <li>type of electrical connection</li> <li>for power supply</li> <li>of or power supply</li> <li>spole terminal block</li> <li>type of antenna</li> <li>at connection 1 / connectable</li> <li>at connection 2 / connectable</li> <li>Mobile radio antenna (GPRS/GSM)</li> <li>wire length / of antenna wire / maximum</li> <li>for SIM card</li> <li>of rhe memory card</li> <li>for SIM card</li> <li>of the memory card / maximum</li> <li>Storage capacity / of the memory card / minimum</li> <li>number of file system / type of file system</li> <li>FAT32</li> <li>signal inputs/outputs</li> <li>number of electrical connection / for digital input signals</li> <li>a pole terminal block</li> <li>type of electrical connection 2 / for digital input signals</li> <li>on to galvanically isolated, not debounced</li> <li>input voltage / at digital input</li> <li>with signal &lt;0&gt; / at DC</li> </ul>	number of electrical connections	
• for power supply       1         number of slots       1         • for SIM cards       1         • for memory cards       1         type of electrical connection       1         • at the 1st interface / acc. to Industrial Ethernet       RJ45 port         type of electrical connection       • for power supply         • for power supply       3-pole terminal block         type of antenna       • at connection 1 / connectable         • at connection 2 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       • for SIM card         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       type of file system       FAT32         signal inputs/outputs       3 pole terminal block         number of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       on talvanically isolated, not debounced	<ul> <li>at the 1st interface / acc. to Industrial Ethernet</li> </ul>	1
number of slots       1         • for SIM cards       1         • for memory cards       1         • type of electrical connection       8.145 port         • at the 1st interface / acc. to Industrial Ethernet       RJ45 port         type of electrical connection       SMA socket (50 ohms)         • for power supply       3-pole terminal block         type of antenna       GPS Antenna         • at connection 1 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       1 microSD         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       FAT32         signal inputs/outputs       3 pole terminal block         type of electrical connection / for digital input signals       2         type of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	<ul> <li>for external antenna(s)</li> </ul>	2
<ul> <li>for SIM cards</li> <li>for memory cards</li> <li>for memory cards</li> <li>type of electrical connection</li> <li>at the 1st interface / acc. to Industrial Ethernet</li> <li>RJ45 port</li> <li>RJ45 port</li> <li>type of electrical connection</li> <li>for external antenna(s)</li> <li>for power supply</li> <li>a-pole terminal block</li> <li>type of antenna</li> <li>at connection 1 / connectable</li> <li>GPS Antenna</li> <li>at connection 2 / connectable</li> <li>Mobile radio antenna (GPRS/GSM)</li> <li>wire length / of antenna wire / maximum</li> <li>slot version</li> <li>of the memory card</li> <li>storage capacity / of the memory card / maximum</li> <li>garant memory card / minimum</li> <li>class 6</li> <li>class 6</li> <li>type of electrical connections / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connections / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connections / for digital input signals</li> <li>type of electrical connections / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connections / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical connection / for digital input signals</li> <li>type of electrical conne</li></ul>	<ul> <li>for power supply</li> </ul>	1
• for memory cards         1           type of electrical connection         RJ45 port           type of electrical connection         SMA socket (50 ohms)           • for external antenna(s)         SMA socket (50 ohms)           • for power supply         3-pole terminal block           type of antenna         GPS Antenna           • at connection 1 / connectable         GPS Antenna           • at connection 2 / connectable         Mobile radio antenna (GPRS/GSM)           wire length / of antenna wire / maximum         15 m           slot version         standard           • for SIM card         Standard           • of the memory card / maximum         32 Gibyte           performance class of the memory card / minimum necessary         Class 6           type of file system / type of file system         FAT32           signal inputs/outputs         3 pole terminal block           number of electrical connections / for digital input signals         2 pole terminal block           digital input version         not galvanically isolated, not debounced           input vorlage / at digital input         0 5 V	number of slots	
type of electrical connection       RJ45 port         type of electrical connection       SMA socket (50 ohms)         • for external antenna(s)       SMA socket (50 ohms)         • for power supply       3-pole terminal block         type of antenna       GPS Antenna         • at connection 1 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       FAT32         stype of electrical connection / for digital input signals       2 pole terminal block         type of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       out, 5 V	for SIM cards	1
• at the 1st interface / acc. to Industrial Ethernet       RJ45 port         type of electrical connection      5 V         • for external antenna(s)       SMA socket (50 ohms)         • for power supply       3-pole terminal block         type of antenna      5 V         • at connection 1 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version	<ul> <li>for memory cards</li> </ul>	1
type of electrical connection       SMA socket (50 ohms)         • for power supply       3-pole terminal block         type of antenna       GPS Antenna         • at connection 1 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       • for SIM card         • of the memory card       Standard         microSD       32 Gibyte         performance class of the memory card / maximum       22 Gibyte         type of file system / type of file system       FAT32         storage connection / for digital input signals       2         type of electrical connections / for digital input signals       2         type of electrical connection / for digital input signals       2         itype of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	type of electrical connection	
<ul> <li>for external antenna(s)</li> <li>for power supply</li> <li>3-pole terminal block</li> <li>type of antenna         <ul> <li>at connection 1 / connectable</li> <li>at connection 2 / connectable</li> <li>Mobile radio antenna (GPRS/GSM)</li> </ul> </li> <li>wire length / of antenna wire / maximum</li> <li>for SIM card</li> <li>of the memory card</li> <li>storage capacity / of the memory card / maximum</li> <li>gelisyte</li> <li>gelisyte</li> <li>type of file system / type of file system</li> <li>fAT32</li> <li>storage connection / for digital input signals</li> <li>at pole terminal block</li> <li>at pole terminal block</li> <li>at connection 2 / connectable</li> <li>Mobile radio antenna (GPRS/GSM)</li> <li>type of electrical connections / for digital input signals</li> <li>at pole terminal block</li> <li>at pole terminal block</li> <li>at pole terminal block</li> <li>at connection 2 / connectable</li> <li>at connection 3 / connectable</li> <li>at connection 4 / connectable</li> <li>at connection 5 / for digital input signals</li> <li>at connection 7 / for digital input signals</li> <li>at pole terminal block</li> <li>at connection 7 / of digital input signals</li> <li>at connection 7 / at DC</li> <li>at connectable</li> </ul>	<ul> <li>at the 1st interface / acc. to Industrial Ethernet</li> </ul>	RJ45 port
● for power supply       3-pole terminal block         type of antenna       GPS Antenna         ● at connection 1 / connectable       GPS Antenna         ● at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       15 m         ● for SIM card       Standard         ● of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       FAT32         signal inputs/outputs       3 pole terminal block         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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V	type of electrical connection	
type of antenna       GPS Antenna         • at connection 1 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       15 m         • of the memory card       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       FAT32         signal inputs/outputs       reaction of digital input signals         number of electrical connection / for digital input signals       2         type of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	<ul> <li>for external antenna(s)</li> </ul>	SMA socket (50 ohms)
• at connection 1 / connectable       GPS Antenna         • at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       5 m         • for SIM card       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum necessary       Class 6         type of file system / type of file system       FAT32         signal inputs/outputs       2         number of electrical connections / for digital input signals       2         type of electrical connections / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	for power supply	3-pole terminal block
• at connection 2 / connectable       Mobile radio antenna (GPRS/GSM)         wire length / of antenna wire / maximum       15 m         slot version       5 m         • for SIM card       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum necessary       Class 6         type of file system / type of file system       FAT32         signal inputs/outputs       2         number of electrical connections / for digital input signals       2         type of electrical connections / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	type of antenna	
wire length / of antenna wire / maximum       15 m         slot version       Standard         • for SIM card       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V	<ul> <li>at connection 1 / connectable</li> </ul>	GPS Antenna
slot version       • for SIM card       Standard         • of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       FAT32         signal inputs/outputs       rumber of electrical connections / for digital input signals         2       type of electrical connection / for digital input signals         2       spole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	at connection 2 / connectable	Mobile radio antenna (GPRS/GSM)
• for SIM cardStandard• of the memory cardmicroSDstorage capacity / of the memory card / maximum32 Gibyteperformance class of the memory card / minimum necessaryClass 6type of file system / type of file systemFAT32signal inputs/outputs2number of electrical connections / for digital input signals2type of electrical connection / for digital input signals3 pole terminal blockdigital input versionnot galvanically isolated, not debouncedinput voltage / at digital input0 5 ∨	wire length / of antenna wire / maximum	15 m
• of the memory card       microSD         storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       FAT32         type of file system / type of file system       FAT32         signal inputs/outputs       2         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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V	slot version	
storage capacity / of the memory card / maximum       32 Gibyte         performance class of the memory card / minimum       Class 6         necessary       Class 6         type of file system / type of file system       FAT32         signal inputs/outputs       2         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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V	<ul> <li>for SIM card</li> </ul>	Standard
performance class of the memory card / minimum necessary       Class 6         type of file system / type of file system       FAT32         signal inputs/outputs       FAT32         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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V	<ul> <li>of the memory card</li> </ul>	microSD
necessary       FAT32         type of file system / type of file system       FAT32         signal inputs/outputs       Image: System / type of electrical connections / for digital input signals       2         number of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	storage capacity / of the memory card / maximum	32 Gibyte
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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V		Class 6
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 galvanically isolated, not debounced         input voltage / at digital input       0 5 V	type of file system / type of file system	FAT32
type of electrical connection / for digital input signals       3 pole terminal block         digital input version       not galvanically isolated, not debounced         input voltage / at digital input       • with signal <0> / at DC         0 5 V	signal inputs/outputs	
digital input version       not galvanically isolated, not debounced         input voltage / at digital input       0 5 V	number of electrical connections / for digital input signals	2
input voltage / at digital input <ul> <li>with signal &lt;0&gt; / at DC</li> <li>0 5 V</li> </ul>	type of electrical connection / for digital input signals	3 pole terminal block
• with signal <0> / at DC 0 5 V	digital input version	not galvanically isolated, not debounced
	input voltage / at digital input	
• for signal <1> / at DC 8.5 24 V	• with signal <0> / at DC	0 5 V
	• for signal <1> / at DC	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 connections / for digital output signals	2 3 pole terminal block
digital output version	transistor, not potential seperated
output voltage / at digital output	
• for signal <1> <sup>1)</sup>	12 24 V
	12 24 V 0 5 V
• for signal <0>	0.3 A
output current / at digital output / for signal <1> / maximum	0.5 A
wireless technology	
type of mobile wireless service	
<ul> <li>is supported / SMS</li> </ul>	Yes
• is supported / GPRS	Yes
• note	GPRS (Multislot Class 10, Mobile Station Class B)
type of wireless network / is supported	
• GSM	Yes
• UMTS	No
• LTE	No
operating frequency / for GSM 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	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> <li>from external supply voltage / at DC / at 12 V /</li> </ul>	0.25 A
maximum	
<ul> <li>from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.125 A
output current / for GPS antenna / maximum	15 mA
power loss [W]	3 W
ambient conditions	
ambient temperature	
	-20 +70 °C
during operation	40 195 00
during storage	-40 +85 °C
<ul><li>during storage</li><li>during transport</li></ul>	-40 +85 °C -40 +85 °C
during storage     during transport relative humidity	-40 +85 °C
<ul><li>during storage</li><li>during transport</li></ul>	
during storage     during transport relative humidity     at 25 °C / without condensation / during operation /	-40 +85 °C
• during storage     • during transport  relative humidity     • at 25 °C / without condensation / during operation /     maximum  protection class IP	-40 +85 °C 95 %
• during storage     • during transport  relative humidity     • at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights	-40 +85 °C 95 % IP20
• during storage     • during transport  relative humidity     • at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights module format	-40 +85 °C 95 % IP20 Compact module, for rail mounting
• during storage     • during transport  relative humidity     • at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm
• during storage     • during transport relative humidity     • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights module format width height	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm
• during storage     • during transport  relative humidity     • at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width height depth	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm
during storage     during transport  relative humidity     at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width height depth net weight	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm
during storage     during transport  relative humidity     at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width height depth net weight fastening method	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg
during storage     during transport relative humidity         • at 25 °C / without condensation / during operation /         maximum protection class IP  design, dimensions and weights module format width height depth net weight fastening method         • 35 mm top hat DIN rail mounting	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes
during storage     during transport  relative humidity     at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width height depth net weight fastening method     35 mm top hat DIN rail mounting     wall mounting	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes
during storage     during transport  relative humidity     at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width height depth net weight fastening method     35 mm top hat DIN rail mounting     wall mounting product features, product functions, product components	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes
during storage     during transport  relative humidity     at 25 °C / without condensation / during operation /     maximum  protection class IP  design, dimensions and weights  module format width height depth net weight fastening method     a 35 mm top hat DIN rail mounting     wall mounting  product features, product functions, product components product function	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes Yes / general
<ul> <li>during storage         <ul> <li>during transport</li> </ul> </li> <li>relative humidity             <ul> <li>at 25 °C / without condensation / during operation / maximum</li> <li>protection class IP</li> </ul> </li> <li>design, dimensions and weights</li></ul>	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes Yes Yes
<ul> <li>during storage</li> <li>during transport</li> <li>relative humidity</li> <li>at 25 °C / without condensation / during operation / maximum</li> <li>protection class IP</li> <li>design, dimensions and weights</li> <li>module format</li> <li>width</li> <li>height</li> <li>depth</li> <li>net weight</li> <li>fastening method</li> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>product features, product functions, product components</li> <li>product function</li> <li>DynDNS client</li> <li>no-ip.com client</li> </ul>	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes Yes / general
<ul> <li>during storage</li> <li>during transport</li> <li>relative humidity</li> <li>at 25 °C / without condensation / during operation / maximum</li> <li>protection class IP</li> <li>design, dimensions and weights</li> <li>module format</li> <li>width</li> <li>height</li> <li>depth</li> <li>net weight</li> <li>fastening method</li> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>product features, product functions, product components</li> <li>product function</li> <li>DynDNS client</li> <li>no-ip.com client</li> </ul>	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes Yes Yes Yes
<ul> <li>during storage</li> <li>during transport</li> <li>relative humidity         <ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul> </li> <li>protection class IP</li> <li>design, dimensions and weights         <ul> <li>module format</li> <li>width</li> <li>height</li> <li>depth</li> <li>net weight</li> <li>fastening method</li> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> </ul> </li> <li>product features, product functions, product components</li> <li>product function             <ul> <li>DynDNS client</li> <li>no-ip.com client</li> </ul> </li> <li>performance data         <ul> <li>number of possible connections / to the LOGO! logic module</li> </ul> </li> </ul>	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes Yes Yes Yes Yes Yes
<ul> <li>during storage</li> <li>during transport</li> <li>relative humidity</li> <li>at 25 °C / without condensation / during operation / maximum</li> <li>protection class IP</li> <li>design, dimensions and weights</li> <li>module format</li> <li>width</li> <li>height</li> <li>depth</li> <li>net weight</li> <li>fastening method</li> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>product features, product functions, product components</li> <li>product function</li> <li>DynDNS client</li> <li>no-ip.com client</li> <li>performance data</li> <li>number of possible connections / to the LOGO! logic</li> </ul>	-40 +85 °C 95 % IP20 Compact module, for rail mounting 71.5 mm 90 mm 58.2 mm 0.16 kg Yes Yes Yes Yes Yes

number of user groups / definable / maximum	10
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
number of assignments / definable / maximum	32
number of alias SMS commands / definable / maximum	20
number of constants / definable / maximum	10
performance data / IT functions	
number of possible connections	
<ul> <li>as server / by means of HTTP / maximum</li> </ul>	2
• as server / by means of HTTPS / maximum	2; http and https can be combined (max. number of 2 connections cannot be exceeded). Max. one connection via https is possible on the mobile wireless interface.
as email client / maximum	1
number of free texts / for emails and SMS / maximum	20
number of characters / per free text for emails or SMS / maximum	160
performance data / teleservice	
product function	
<ul> <li>remote firmware update</li> </ul>	Yes
remote configuration	Yes
product functions / management, configuration, engineeri	ng
configuration software	
required	Web interface
product functions / diagnostics	
product function / web-based diagnostics	Yes
product functions / security	
operating mode / Virtual Private Network (VPN)	Yes; Open VPN Server in PSK mode
product function / with VPN connection	OpenVPN PSK
type of encryption algorithms / with VPN connection	AES-128 CBC
type of authentication / with Virtual Private Network / PSK	Yes
type of hashing algorithms / with VPN connection	SHA-256
number of possible connections / with VPN connection	1
product function	
<ul> <li>password protection for Web applications</li> </ul>	Yes
<ul> <li>password protection for VPN</li> </ul>	Yes
<ul> <li>encrypted data transmission</li> </ul>	Yes
<ul> <li>switch-off of non-required services</li> </ul>	Yes
<ul> <li>log file for unauthorized access</li> </ul>	Yes
product functions / time	
product function / pass on time synchronization	Yes
accuracy / of the hardware real time clock / per day / maximum	7.5 s
time synchronization	
from NTP-server	Yes
<ul> <li>from GPS-signal</li> </ul>	Yes
from mobile network provider	Yes
• PC	Yes
manual setting	Yes
product functions / position detection	
product function	
position detection with GPS	Yes
pass on position data	Yes
further information / internet-Links	
Internet-Link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net

<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

a <sup>1</sup>) Value of the actual supply voltage

last modified:

1/24/2021 🖸