## **SIEMENS**

Product type designation

## Data sheet

## 6GK7142-7BX00-0AX0



## LOGO! CMR2020

LOGO! CMR2020 communication Module for connection LOGO! 8 to GSM/GPRS network; 1 RJ45 port for Ind. Ethernet connection to LOGO! 8; 2xDI; 2xDO; Write/read access to LOGO! tags; sending/ receiving of text messages; E-mail sending; position detection GPS; Time synchronization/ forwarding with real time clock; configuration/diagnostics via web interface; Remote Access via OpenVPN/HTTP, DYNDNS; Observe national approval! Manual available as a download

Transmission rate	
Transfer rate	
• at the 1st interface	10 100 Mbit/s
<ul> <li>for GPRS transmission</li> </ul>	
— 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
<ul> <li>for external antenna(s)</li> </ul>	2
• for power supply	1
Number of slots	
• for SIM cards	1
<ul> <li>for memory cards</li> </ul>	1
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port

<ul> <li>for external antenna(s)</li> </ul>	SMA socket (50 ohms)
• for power supply	3-pole terminal block
Type of antenna	
at port 1 / connectable	GPS Antenna
at port 2 / connectable	Mobile radio antenna (GPRS/GSM)
Wire length / of antenna cable / maximum	15 m
Slot version	
for SIM card	Standard
	microSD
of the memory card	
Storage capacity / of the memory card / maximum Performance class of the memory card / minimum	32 Gibyte Class 6
necessary	
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 galvanically isolated, not debounced
Input voltage / at digital input	
● 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 connection / for digital output signals	3 pole terminal block
Digital output version	transistor, not potential seperated
Output voltage / at digital output	
• for signal <1> 1)	12 24 V
● for signal <0>	0 5 V
Output current / at digital output / for signal <1> / maximum	0.3 A
Wireless technology	
Type of mobile wireless service	
• is supported / SMS	Yes
• is supported / GPRS	Yes
• Note	GPRS (Multislot Class 10, Mobile Station Class B)
Type of mobile network / is supported	
• GSM	Yes
• UMTS	No
• LTE	No
Operating frequency	

<ul> <li>for GSM transmission / 850 MHz</li> </ul>	Yes
<ul> <li>for GSM transmission / 900 MHz</li> </ul>	Yes
<ul> <li>for GSM transmission / 1800 MHz</li> </ul>	Yes
<ul> <li>for GSM transmission / 1900 MHz</li> </ul>	Yes
<ul> <li>with UMTS transmission / 850 MHz</li> </ul>	No
<ul> <li>with UMTS transmission / 900 MHz</li> </ul>	No
<ul> <li>with UMTS transmission / 2100 MHz</li> </ul>	No
<ul> <li>for LTE transmission / 800 MHz</li> </ul>	No
<ul> <li>for LTE transmission / 1800 MHz</li> </ul>	No
<ul> <li>for LTE transmission / 2600 MHz</li> </ul>	No

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 / maximum</li> </ul>	0.25 A
<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

Permitted ambient conditions	
Ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +70 °C
• during storage	-40 +85 °C
<ul> <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> <li>35 mm DIN rail mounting</li> </ul>	Yes
• wall mounting	Yes

Product properties, functions, components / genera		
Product function		
DynDNS-Client	Yes	
• no-ip.com client	Yes	
Performance data		
Number of possible connections / to the LOGO! logic	1	
module		
Number of users/telephone numbers/email	20	
addresses / definable / maximum		
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	32	
Performance data / IT functions		
Number of possible connections		
<ul> <li>as server / by means of HTTP / maximum</li> </ul>	2	
<ul> <li>as server / by means of HTTPS / maximum</li> </ul>	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.	
<ul> <li>as e-mail client / maximum</li> </ul>	1	
Number of free texts for e-mails / definable by user	20; maximum of 160 characters per user defined text	
Performance data / Teleservice		
Product function		
<ul> <li>Remote firmware update</li> </ul>	Yes	
<ul> <li>remote configuration</li> </ul>	Yes	
Configuration software		
• required	No, configuration by using the integrated webserver	
Product functions / Diagnosis	Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes	
Product functions / Security		
Suitability for operation / Virtual Private Network	Yes	
Operating mode Virtual Private Network / note	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	

Number of possible connections / with VPN       1         connection       1         Product function       Yes         e password protection for Web applications       Yes         e password protection for VPN       Yes         e norypted data transmission       Yes         e switch-off of non-required services       Yes         roduct functions / Time       Yes         Product function / pass on time synchronization       Yes         Accuracy / of the hardware real-time clock / per day /       7.5 s         maximum       7.5 s         itime synchronization       Yes         e from NTP-server       Yes         e from mobile network provider       Yes         e position detection with GPS       Yes         roduct function       Yes         e pass on position data       Yes         e position detection with GPS       Yes         e pass on position data       Yes         e pass on position data       Yes	Type of hashing algorithms / with VPN connection	SHA-256
connection         Yes           Product function         Yes           password protection for VPN         Yes           encrypted data transmission         Yes           encrypted data transmission         Yes           is witch-off of non-required services         Yes           roduct function / pass on time synchronization         Yes           roduct function / pass on time synchronization         Yes           Accuracy / of the hardware real-time clock / per day /         Yes           Accuracy / of the hardware real-time clock / per day /         Yes           Accuracy / of the hardware real-time clock / per day /         Yes           from NTP-server         Yes           if from NTP-server         Yes           if from GPS-signal         Yes           if from detection with GPS         Yes           if position detection with GPS         Yes           pass on position data         Yes           coessories         Yes           uther Information / Internet Links         Integr/www.siemens.com/smst           if to website: Selector SIMATIC NET         http://www.siemens.com/smst           selection roduct function         Htp://www.siemens.com/smst           if to website: Industry Mall         http://www.siemens.com/smst		
• password protection for Web applicationsYes• password protection for VPNYes• encrypted data transmissionYes• switch-off of non-required servicesYes• log file for unauthorized accessYes• log file for unauthorized accessYesProduct function / pass on time synchronizationYesAccuracy / of the hardware real-time clock / per day / maximumYesProduct function / pass on time synchronizationYesAccuracy / of the hardware real-time clock / per day / maximumYes• from NTP-serverYes• from GPS-signalYes• from mobile network providerYes• from mobile network providerYes• per clock function / Position recognitionYes• position detection with GPSYes• pass on position dataYes• coessoriesYesccessoriesInternet-Link• to website: Selector SIMATIC NET SELECTION TOOLhttp://www.siemens.com/snst• to website: Industry dallhttp://www.siemens.com/snst• to website: Industry Mallhttp://www.siemens.com/snst• to website: Industry Mallhttp://www.siemens.com/dustry/infocenter• to website: Industry Mallhttp://www.siemens.com/dustry/infocenter• to website: Industry Mallhttp://www.siemens.com/acax• to website: Industry Online Supporthttp://www.siemens.com/acax• to website: Industry Online Supporthttp://www.siemens.com/acax	connection	
password protection for VPN       Yes         • password protection for VPN       Yes         • encrypted data transmission       Yes         • switch-off of non-required services       Yes         • log file for unauthorized access       Yes         Product function / Dass on time synchronization       Yes         Accuracy / of the hardware real-time clock / per day / maximum       Yes <ul> <li>Accuracy / of the hardware real-time clock / per day / maximum</li> <li>from NTP-server</li> <li>Yes</li> <li>from MTP-server</li> <li>Yes</li> <li>from mobile network provider</li> <li>Yes</li> <li>encomposition</li> <li>PC</li> <li>manual setting</li> <li>Yes</li> </ul> Yes           roduct functions         / Position recognition           Product function         / Yes           • pass on position data         Yes           • pass on position data         Yes           • pass on position data         Yes           • to website: Selector SIMATIC NET           SELECTION TOOL           • to website: Industrial communication         http://www.siemens.com/simatic-net           • to website: Industry Mall         http://www.siemens.com/industry.infocenter           • to website: Industry Mall         http://www.siemens.com/industry.infocente	Product function	
encrypted data transmission     encrypted data transmission     Yes     encrypted data transmission     Yes     switch-off of non-required services     Yes     log file for unauthorized access     Yes     Yes     Yes     roduct function / pass on time synchronization     Yes     Accuracy / of the hardware real-time clock / per day /     T.5 s     To the hardware real-time clock / per day /     T.5 s     To the hardware real-time clock / per day /     T.5 s     To maximum     Trom OPS-signal     Yes     Yes	<ul> <li>password protection for Web applications</li> </ul>	Yes
switch-off of non-required services Yes     iog file for unauthorized access Yes     Product function / pass on time synchronization Yes     Accuracy / of the hardware real-time clock / per day /     T.5 s     Accuracy / of the hardware real-time clock / per day /     T.5 s     Accuracy / of the hardware real-time clock / per day /     T.5 s     Accuracy / of the hardware real-time clock / per day /     T.5 s     Accuracy / of the hardware real-time clock / per day /     T.5 s     Accuracy / of the hardware real-time clock / per day /     T.5 s     Accuracy / of the hardware real-time clock / per day /     Tom XPI-server Yes     From GPS-signal Yes     From GPS-signal Yes     From mobile network provider Yes     FoC Yes     manual setting Yes     roduct functions / Position recognition     Product function     position detection with GPS Yes     pass on position data Yes     ccessories     ccessories     ccessories     turber Information / Internet Links     Internet-Link     to website: Selector SIMATIC NET     stelectTION TOOL     to website: Industrial communication     to website: Industrial communication     to website: Industry Mall     http://www.siemens.com/sinatio-net     to website: Industry Mall     http://www.siemens.com/industry/infocenter     http://www.sieme	<ul> <li>password protection for VPN</li> </ul>	Yes
• log file for unauthorized access       Yes         roduct function / pass on time synchronization       Yes         Accuracy / of the hardware real-time clock / per day / maximum       7.5 s         from NTP-server       Yes         • from OPS-signal       Yes         • from mobile network provider       Yes         • point function / pass on time synchronization       Yes         • from OPS-signal       Yes         • from mobile network provider       Yes         • point function / position recognition       Yes         Product function / position recognition       Yes         • position detection with GPS       Yes         • position detection with GPS       Yes         • position deta       Yes         • to website: Selector SIMATIC NET       http://www.siemens.com/sinst         SELECTION TOOL       http://www.siemens.com/sinst         • to website: Industrial communication       http://www.siemens.com/sinst         • to website: Industry Mall       http://www.siemens.com/sinst         • to website: Information and Download Center       http://www.siemens.com/industry/infocenter         • to website: Industry Mall       http://www.siemens.com/industry/infocenter         • to website: Industry Mall       http://www.siemens.com/industry/infocenter         •	<ul> <li>encrypted data transmission</li> </ul>	Yes
roduct functions / Time         Product function / pass on time synchronization       Yes         Accuracy / of the hardware real-time clock / per day / maximum       7.5 s         maximum       7.5 s         etam structure       Yes         of the hardware real-time clock / per day / maximum       7.5 s         etam structure       Yes         of the mobile network provider       Yes         etam oblic network provider       Yes         roduct function       Yes         roduct function       Yes         etam oblic network of the GPS       Yes         etam oblic network of the GPS       Yes         etam oblic network of the GPS       Yes         cccessories       Internet-Link         Internet-Link       http://www.siemens.com/simatic-net         it to website: Industrial communication       http://www.siemens.com/simatic-net         it to website: Industry Mall       http://www.siemens.com/industry/infocenter         it to website: Industry Mall       http://www.si	<ul> <li>switch-off of non-required services</li> </ul>	Yes
Product function / pass on time synchronization       Yes         Accuracy / of the hardware real-time clock / per day /       7.5 s         Accuracy / of the hardware real-time clock / per day /       7.5 s         Maximum       7.5 s         time synchronization       *         • from NTP-server       Yes         • from opS-signal       Yes         • from mobile network provider       Yes         • PC       Yes         • manual setting       Yes         roduct functions / Position recognition       Yes         Product function       • position detection with GPS         • pass on position data       Yes         cccessories       Yes         uther Information / Internet Links       Internet-Link         • to website: Selector SIMATIC NET       http://www.siemens.com/smst         SELECTION TOOL       • to website: Industrial communication         • to website: Industrial communication       http://www.siemens.com/simatic-net         • to website: Information and Download Center       http://www.siemens.com/industry/infocenter         • to website: Information and Download Center       http://www.siemens.com/industry/infocenter         • to website: Information and Download Center       http://www.siemens.com/industry/infocenter         • to website: Industry O	<ul> <li>log file for unauthorized access</li> </ul>	Yes
Accuracy / of the hardware real-time clock / per day / maximum       7.5 s         itime synchronization       7.5 s            • from NTP-server       Yes            • from GPS-signal       Yes            • from mobile network provider       Yes            • PC       Yes            • manual setting       Yes            roduct functions / Position recognition       Yes            roduct function / Position recognition       Yes            roduct function / Position recognition       Yes            roduct function / Position data       Yes            roduct function / Internet Links       Yes            roter visual setting       Yes            roduct function / Internet Links           http://www.siemens.com/snst             roter visual setting // www.siemens.com/snst           selector SIMATIC NET             rote website: Industrial communication           http://www.siemens.com/simatic-net             rote website: Industry Mall           http://www.siemens.com/simatic-net             to website: Industry Mall           http://www.siemens.com/biddb             to website: Industry Online Support           http://www.siemens.com/biddb	Product functions / Time	
maximum       itime synchronization         if from NTP-server       Yes         if from GPS-signal       Yes         if from mobile network provider       Yes         roduct function       Yes         if position detection with GPS       Yes         if position data       Yes         cccessories       Internet-Link         Internet-Link       http://www.siemens.com/snst         is to website: Industrial communication       http://www.siemens.com/sinst         SELECTION TOOL       http://www.siemens.com/sinst         is to website: Industry Mall       http://www.siemens.com/sinst         is to website: Information and Download Center       http://www.siemens.com/sinst/infocenter         is to website: Information and Download Center       http://www.siemens.com/idustry.infocenter         is to website: Information and Download Center       http://www.siemens.com/idustry.infocenter         is to website: CAx Download Manager       http://www.siemens.com/cax<	Product function / pass on time synchronization	Yes
From NTP-serverYesfrom GPS-signalYesfrom mobile network providerYesPCYese manual settingYesroduct functions / Position recognitionYesProduct function s/ Position recognitionYesroduct function s/ Position recognitionYesroduct function s/ position dataYese position detection with GPSYese position dataYesccessoriesYesuther Information / Internet LinksInternet-Linkinternet-Linkhttp://www.siemens.com/snstSELECTION TOOLhttp://www.siemens.com/simatic-neti to website: Industrial communicationhttp://www.siemens.com/simatic-neti to website: Industrial communicationhttp://www.siemens.com/industry/infocenteri to website: Industry Mallhttp://www.siemens.com/industry/infocenteri to website: Industry Mallhttp://www.siemens.com/industry/infocenteri to website: Industry Online Supporthttp://www.siemens.com/industry.siemens.com/i to website: Industry Online Supporthttp://www.siemens.com/industry.siemens.com/	Accuracy / of the hardware real-time clock / per day / maximum	7.5 s
• Irom GPS-signal       Yes         • from mobile network provider       Yes         • PC       Yes         • manual setting       Yes         roduct functions / Position recognition       Yes         Product function       Yes         • position detection with GPS       Yes         • pass on position data       Yes <b>urther Information / Internet Links</b> Yes         Internet-Link       http://www.siemens.com/snst         SELECTION TOOL       http://www.siemens.com/simatic-net         • to website: Industrial communication       http://www.siemens.com/simatic-net         • to website: Industry Mall       http://www.siemens.com/industry/infocenter         • to website: Industry Online Support       http://www.siemens.com/industry.siemens.com	time synchronization	
enderson of enderson of the second	● from NTP-server	Yes
• PC       Yes         • manual setting       Yes         roduct functions / Position recognition       Yes         Product function       • position detection with GPS         • position detection with GPS       Yes         • pass on position data       Yes         cccessories       Yes         urther Information / Internet Links       Yes         Internet-Link       http://www.siemens.com/snst         • to website: Selector SIMATIC NET       http://www.siemens.com/sinatic-net         • to website: Industrial communication       http://www.siemens.com/sinatic-net         • to website: Industrial communication       http://www.siemens.com/sinatic-net         • to website: Industry Mall       http://www.siemens.com/industry/infocenter         • to website: Industry Online Support       http://www.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemens.com/industry.siemen	● from GPS-signal	Yes
• manual setting     Yes       roduct functions / Position recognition       Product function       • position detection with GPS       • pass on position data       Yes       • pass on position data       cccessories       urther Information / Internet Links       Internet-Link       • to website: Selector SIMATIC NET       SELECTION TOOL       • to website: Industrial communication       http://www.siemens.com/simatic-net       • to website: Industrial communication       http://www.siemens.com/simatic-net       • to website: Industry Mall       • to website: Industry Online Support       • to website: Industry Online Support	<ul> <li>from mobile network provider</li> </ul>	Yes
Interact county       Interact county         Product function       Product function            • position detection with GPS       Yes            • pass on position data       Yes            • cccessories       Yes         urther Information / Internet Links       Internet-Link            • to website: Selector SIMATIC NET       http://www.siemens.com/snst         SELECTION TOOL          • to website: Industrial communication            • to website: Industry Mall          http://mall.industry.siemens.com/            • to website: Information and Download Center          http://www.siemens.com/industry/infocenter            • to website: Induger database          http://www.siemens.com/industry/infocenter            • to website: CAx Download Manager          http://www.siemens.com/cax             • to website: Industry Online Support          http://support.industry.siemens.com	• PC	Yes
Product function       • position detection with GPS       Yes         • pass on position data       Yes         • ccessories       • to sebsite: Selector SIMATIC NET       http://www.siemens.com/snst         Internet-Link       • to website: Selector SIMATIC NET       http://www.siemens.com/snst         SELECTION TOOL       • to website: Industrial communication       http://www.siemens.com/simatic-net         • to website: Industry Mall       • http://www.siemens.com       • http://www.siemens.com         • to website: Information and Download Center       • http://www.siemens.com/industry/infocenter       • to website: Image database         • to website: CAx Download Manager       • http://www.siemens.com/cax       • http://www.siemens.com/cax         • to website: Industry Online Support       • http://support.industry.siemens.com	manual setting	Yes
• position detection with GPS       Yes         • pass on position data       Yes         • ccessories       Yes         urther Information / Internet Links         Internet-Link       • to website: Selector SIMATIC NET         • to website: Selector SIMATIC NET       http://www.siemens.com/snst         SELECTION TOOL       • http://www.siemens.com/simatic-net         • to website: Industrial communication       http://www.siemens.com/simatic-net         • to website: Industry Mall       http://www.siemens.com/industry/infocenter         • to website: Information and Download Center       http://www.siemens.com/industry/infocenter         • to website: Inage database       http://www.siemens.com/cax         • to website: CAx Download Manager       http://www.siemens.com/cax         • to website: Industry Online Support       https://support.industry.siemens.com	Product functions / Position recognition	
Internet-Link     http://www.siemens.com/snst       Internet-Link     http://www.siemens.com/snst       • to website: Selector SIMATIC NET     http://www.siemens.com/snst       SELECTION TOOL     http://www.siemens.com/simatic-net       • 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://www.siemens.com/bilddb       • to website: CAx Download Manager     http://www.siemens.com/cax       • to website: Industry Online Support     https://support.industry.siemens.com	<ul> <li>position detection with GPS</li> </ul>	
urther Information / Internet Links         Internet-Link         • to website: Selector SIMATIC NET         SELECTION TOOL         • to website: Industrial communication         • 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	<ul> <li>pass on position data</li> </ul>	Yes
Internet-Link       http://www.siemens.com/snst         • to website: Selector SIMATIC NET       http://www.siemens.com/snst         SELECTION TOOL       http://www.siemens.com/simatic-net         • 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	Accessories	
• to website: Selector SIMATIC NEThttp://www.siemens.com/snstSELECTION TOOLhttp://www.siemens.com/simatic-net• to website: Industrial communicationhttp://www.siemens.com/simatic-net• to website: Industry Mallhttp://mall.industry.siemens.com• to website: Information and Download Centerhttp://www.siemens.com/industry/infocenter• to website: Image databasehttp://automation.siemens.com/bilddb• to website: CAx Download Managerhttp://www.siemens.com/cax• to website: Industry Online Supporthttps://support.industry.siemens.com	Further Information / Internet Links	
SELECTION TOOLhttp://www.siemens.com/simatic-net• to website: Industrial communicationhttp://www.siemens.com/simatic-net• to website: Industry Mallhttps://mall.industry.siemens.com• to website: Information and Download Centerhttp://www.siemens.com/industry/infocenter• to website: Image databasehttp://automation.siemens.com/bilddb• to website: CAx Download Managerhttp://www.siemens.com/cax• to website: Industry Online Supporthttps://support.industry.siemens.com	Internet-Link	
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• 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       http://support.industry.siemens.com	<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
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• to website: CAx Download Manager     http://www.siemens.com/cax       • to website: Industry Online Support     https://support.industry.siemens.com	• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
to website: Industry Online Support <u>https://support.industry.siemens.com</u>	• to website: Image database	http://automation.siemens.com/bilddb
	• to website: CAx Download Manager	http://www.siemens.com/cax
ecurity information	• to website: Industry Online Support	https://support.industry.siemens.com

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

last modified:

08/30/2018