## **SIEMENS**

## Data sheet

6BK1700-0BA20-0AA0



LOGO! CMK2000 COMMUNICATION MODULE TO INTEGRATE THE LOGO! 8 IN THE BUILDING BUS KNX POWER SUPPLY DC 24V 0,04A 1 RJ45 PORT FOR ETHERNET CONECTION 50 COMMUNICATION OBJECTS TIME SYNCHRONISATION CONFIG./DIAG.PER WEB-INTERFACE

General information		
Firmware version		
<ul> <li>FW update possible</li> </ul>	Yes	
Installation type/mounting		
Mounting	on 35 mm DIN rail, 4 spacing units wide	
Supply voltage		
Rated value (DC)	24 V	
• 12 V DC	No	
• 24 V DC	Yes	
permissible range, lower limit (DC)	19.2 V	
permissible range, upper limit (DC)	28.8 V	
Rated value (AC)		
• 24 V AC	No	
Innuit ourrant		
Input current		
Current consumption, max.	0.04 A	
Power loss		
Power loss, max.	1.1 W	

Flash Yes  Time of day  Clock synchronization  • supported Yes  Number of industrial Ethernet Interfaces 1: Ethernet, 1 port, RJ45  Number of other interfaces 1; EIB/KNX  Transmission rate, max. 100 Mbit/s over Ethernet, 9 600 bit/s over KNX  Protocols  EIB/KNX Yes  Further protocols  • other bus systems Yes; EIB/KNX  Communication functions  S7 basic communication  • supported No  LOGO! communication  • supported Yes  Web server  • supported Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED Yes  EMC  EMC  EMC  Communication tereference acc. to EN 55 011  • Limit class B, for use in residential areas Yes; in accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark Yes  CSA approval Yes  CULus Yes  FM approval No  RCM (formerty C-TICK) No  RCA (formerty C-TICK) No  RCA (formerty C-TICK) Yes  according to VDE 0631  No	Memory	
Clock synchronization  • supported  Yes  Number of industrial Ethernet interfaces  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 9 600 bit/s over KNX  Protocols  Etirk Y  Further protocols  • other bus systems  • other bus systems  Communication functions  S7 basic communication  • supported  No  LOGO! communication  • supported  Ves  Web server  • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUNNSTOP LED  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  UL approval  Ves  FM approval  Ves  FM approval  Ves  FM approval  CK (approval  Pes  EAC (formerly C-TICK)  No  RCM (formerly C-TICK)  No  RCM (formerly C-TICK)  No  Yes  Yes  EAC (formerly Gost-R)	Flash	Yes
Clock synchronization  • supported  Yes  Number of industrial Ethernet interfaces  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 9 600 bit/s over KNX  Protocols  Etirk Y  Further protocols  • other bus systems  • other bus systems  Communication functions  S7 basic communication  • supported  No  LOGO! communication  • supported  Ves  Web server  • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUNNSTOP LED  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  UL approval  Ves  FM approval  Ves  FM approval  Ves  FM approval  CK (approval  Pes  EAC (formerly C-TICK)  No  RCM (formerly C-TICK)  No  RCM (formerly C-TICK)  No  Yes  Yes  EAC (formerly Gost-R)	Time of day	
Interfaces  Number of industrial Ethernet interfaces  Number of industrial Ethernet interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  Ethernet, 9 600 bit/s over KNX  Protocols  Ethernet, 9 600 bit/s over KNX  Protocols  Pethor interfaces  Pes, Ethernet, 9 600 bit/s over KNX  Pes, Ethernet, 9 600 bit/s over KNX  Protocols  Pes, Ethernet, 9 600 bit/s over KNX  Pes, Ethernet, 9 600 bit	·	
Interfaces  Number of industrial Ethernet interfaces  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 1 port, RJ45  Number of other interfaces  1; Ethernet, 9 600 bit/s over KNX  Protocols  EIB/KNX  Yes  Further protocols  • other bus systems  Yes; EIB/KNX  Communication functions  S7 basic communication  • supported  No  LOGOI communication  • supported  Yes  Web server  • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED  Yes  EMC  EMC  EMC  Degree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  UL approval  Ves  FM approval  No  RCM (formerly C-TICK)  No  RCM (formerly C-TICK)  No  RCM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)		Yes
Number of industrial Ethernet interfaces 1; Ethernet, 1 port, RJ45 Number of other interfaces 1; ElB/KNX Transmission rate, max. 100 Mbit/s over Ethernet, 9 600 bit/s over KNX  Protocols ElB/KNX Yes EUR/KNX Yes Further protocols • other bus systems Yes; ElB/KNX  Communication functions S7 basic communication • supported No LOGO! communication • supported Yes Web server • supported Yes Interrupts/diagnostics/status information Diagnostics indication LED • RUN/STOP LED  EMC EMC Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas Yes; in accordance with EN 61000-6-3  Degree of protection Degree of protection Degree of protection acc. to EN 60529 • IP20 Yes  Standards, approvals, certificates CE mark Yes UL approval Ves UL approval Ves FM approval No RCM (formerty C-TICK) No RCM (formerty C-TICK) No RCM (formerty Gost-R) Yes EAC (formerty Gost-R)		
Number of other interfaces Transmission rate, max.  100 Mbit/s over Ethernet, 9 600 bit/s over KNX  Protocols  EIB/KNX Yes  Further protocols • other bus systems  Yes; EIB/KNX  Communication functions S7 basic communication • supported No LOGO! communication • supported Ves Web server • supported Yes  Interrupts/diagnostics/status information Diagnostics indication LED • RUN/STOP LED  EMC  Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529 • IP20 Yes  Standards, approvals, certificates  CE mark Yes CSA approval Ves UL approval Ves FM approval Ves FM approval No RCM (formerly C-TICK) No RCM (formerly C-TICK) Yes EAC (formerly Gost-R) Yes EAC (formerly Gost-R)		4 EU 4 4 DUE
Transmission rate, max.  Protocols  EIB/KNX Yes  Further protocols  • other bus systems Yes; EIB/KNX  Communication functions  S7 basic communication • supported No LOGOI communication • supported Yes  Web server • supported Yes  Interrupts/diagnostics/status information Diagnostics indication LED • RUN/STOP LED  EMC  Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas  Pegree and class of protection Degree of protection acc. to EN 60529 • IP20  Yes  Standards, approvals, certificates CE mark CSA approval UL approval UL approval CULUS FM approval FM approva		
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Further protocols  • other bus systems  Yes; EIB/KNX  Communication functions  S7 basic communication  • supported  No  LOGO! communication  • supported  Yes  Web server  • supported  No  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED  Yes  EMC  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  CSA approval  UL approval  UL approval  CULUs  Yes  FM approval  ROM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)	Protocols	
other bus systems     Yes; EIB/KNX  Communication functions S7 basic communication     • supported     No LOGOI communication     • supported     Yes Web server     • supported     Yes  Interrupts/diagnostics/status information Diagnostics indication LED     • RUN/STOP LED     Yes  EMC  Emission of radio interference acc. to EN 55 011     • Limit class B, for use in residential areas  Degree and class of protection Degree of protection acc. to EN 60529     • IP20  Yes  Standards, approvals, certificates CE mark     Yes CSA approval UL approval CULus     Yes HM approval PK    Yes CSM    Yes CSM    Yes CSM    Yes CSM    Yes CULus Yes CM    Yes	EIB/KNX	Yes
Communication functions \$7\$ basic communication  • supported  LOGOI communication  • supported  Yes  Web server  • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED  Yes  EMC  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  UL approval  Ves  CULUs  Yes  FM approval  RCM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)  Yes  EAC (formerly Gost-R)	Further protocols	
S7 basic communication  • supported No  LOGO! communication  • supported Yes  Web server  • supported Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED Yes  EMC  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  • IP20 Yes  Standards, approvals, certificates  CE mark Yes  CSA approval Yes  UL approval Yes  CULus Yes  FM approval No  RCM (formerly C-TICK) No  RCM (formerly C-TICK) Yes  EAC (formerly Gost-R)  Yes  EAC (formerly Gost-R)	• other bus systems	Yes; EIB/KNX
S7 basic communication  • supported No  LOGO! communication  • supported Yes  Web server  • supported Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED Yes  EMC  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  • IP20 Yes  Standards, approvals, certificates  CE mark Yes  CSA approval Yes  UL approval Yes  CULus Yes  FM approval No  RCM (formerly C-TICK) No  RCM (formerly C-TICK) Yes  EAC (formerly Gost-R)  Yes  EAC (formerly Gost-R)	Communication functions	
LOGO! communication  • supported  Web server  • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED  EMC  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Ves  FM approval  No  RCM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)  Yes  Yes  Yes  Yes  EAC (formerly Gost-R)		
• supported  Web server • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED • RUN/STOP LED  Yes  EMC  Emission of radio interference acc. to EN 55 011 • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529 • IP20  Yes  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Yes  UL approval  Yes  FM approval  No  RCM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)  Yes  Yes  FM Supposition  Yes  EAC (formerly Gost-R)	• supported	No
Web server  • supported  Yes  Interrupts/diagnostics/status information  Diagnostics indication LED  • RUN/STOP LED  EMC  Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  • IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  Yes  UL approval  Ves  FM approval  RCM (formerly C-TICK)  No  RCG (formerly Gost-R)  Yes  EAC (formerly Gost-R)	LOGO! communication	
Interrupts/diagnostics/status information  Diagnostics indication LED  RUN/STOP LED  EMC  Emission of radio interference acc. to EN 55 011  Limit class B, for use in residential areas  Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  Yes  UL approval  Yes  FM approval  RCM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)  Yes	• supported	Yes
Interrupts/diagnostics/status information  Diagnostics indication LED  RUN/STOP LED  Yes  EMC  Emission of radio interference acc. to EN 55 011  Limit class B, for use in residential areas  Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  Yes  UL approval  Yes  CULus  Yes  FM approval  No  RCM (formerly C-TICK)  KC approval  Yes  EAC (formerly Gost-R)	Web server	
Diagnostics indication LED  RUN/STOP LED  Yes  EMC  Emission of radio interference acc. to EN 55 011  Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  IP20  Yes  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Yes  CULus  Yes  FM approval  RCM (formerly C-TICK)  KC approval  Yes  EAC (formerly Gost-R)  Yes  Yes  Yes  Yes  EAC (formerly Gost-R)  Yes	• supported	Yes
Diagnostics indication LED  RUN/STOP LED  Yes  EMC  Emission of radio interference acc. to EN 55 011  Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  IP20  Yes  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Yes  CULus  Yes  FM approval  RCM (formerly C-TICK)  KC approval  Yes  EAC (formerly Gost-R)  Yes  Yes  Yes  Yes  EAC (formerly Gost-R)  Yes	Interrunts/diagnostics/status information	
● RUN/STOP LED  EMC  Emission of radio interference acc. to EN 55 011  ● Limit class B, for use in residential areas  Yes; In accordance with EN 61000-6-3  Degree and class of protection  Degree of protection acc. to EN 60529  ● IP20  Yes  Standards, approvals, certificates  CE mark  Yes  CSA approval  Yes  UL approval  Yes  CULus  FM approval  RCM (formerly C-TICK)  No  KC approval  Yes  EAC (formerly Gost-R)  Yes		
Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  • IP20  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Ves  CULus  Yes  FM approval  RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  Yes; In accordance with EN 61000-6-3  Yes; In accordance with EN 61000-6-3  Yes; In accordance with EN 61000-6-3		Yes
Emission of radio interference acc. to EN 55 011  • Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529  • IP20  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Ves  CULus  Yes  FM approval  RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  Yes; In accordance with EN 61000-6-3  Yes; In accordance with EN 61000-6-3  Yes; In accordance with EN 61000-6-3		
◆ Limit class B, for use in residential areas  Pegree and class of protection  Degree of protection acc. to EN 60529     ◆ IP20  Standards, approvals, certificates  CE mark  CSA approval  UL approval  Ves  ULus  FM approval  RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  Yes; In accordance with EN 61000-6-3  Yes; In accordance with EN 61000-6-3  Yes; In accordance with EN 61000-6-3		
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Degree of protection acc. to EN 60529  ● IP20  Standards, approvals, certificates  CE mark  CSA approval  UL approval  CULus  FM approval  RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	Limit class B, for use in residential areas	Yes; In accordance with EN 61000-6-3
● IP20  Standards, approvals, certificates  CE mark  CSA approval  UL approval  CULus  FM approval  RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye	Degree and class of protection	
Standards, approvals, certificates  CE mark Yes  CSA approval Yes  UL approval Yes  cULus FM approval No  RCM (formerly C-TICK) KC approval Yes  EAC (formerly Gost-R)  Yes	Degree of protection acc. to EN 60529	
CE mark         Yes           CSA approval         Yes           UL approval         Yes           cULus         Yes           FM approval         No           RCM (formerly C-TICK)         No           KC approval         Yes           EAC (formerly Gost-R)         Yes	● IP20	Yes
CE mark         Yes           CSA approval         Yes           UL approval         Yes           cULus         Yes           FM approval         No           RCM (formerly C-TICK)         No           KC approval         Yes           EAC (formerly Gost-R)         Yes	Standards, approvals, certificates	
UL approval         Yes           cULus         Yes           FM approval         No           RCM (formerly C-TICK)         No           KC approval         Yes           EAC (formerly Gost-R)         Yes		Yes
cULus         Yes           FM approval         No           RCM (formerly C-TICK)         No           KC approval         Yes           EAC (formerly Gost-R)         Yes	CSA approval	Yes
FM approval  RCM (formerly C-TICK)  No  KC approval  EAC (formerly Gost-R)  Yes	UL approval	Yes
RCM (formerly C-TICK)  KC approval  EAC (formerly Gost-R)  No  Yes  Yes	cULus	Yes
KC approval Yes EAC (formerly Gost-R) Yes	FM approval	No
EAC (formerly Gost-R)  Yes	RCM (formerly C-TICK)	No
	KC approval	Yes
according to VDE 0631 No	EAC (formerly Gost-R)	Yes
	according to VDE 0631	No

Marine approval	No	
Ambient conditions		
Ambient temperature during operation		
• min.	0 °C	
• max.	55 °C	
Ambient temperature during storage/transportation		
• min.	-40 °C	
• max.	70 °C	
Relative humidity		
Operation, max.	95 %	
Connection method		
Design of plug-in connection	KNX terminal 0.6 mm <sup>2</sup> - 1.0 mm <sup>2</sup>	
Power supply	2 screw-type terminals: L+, M 0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> Screw-type	
	terminal: FE 0.5 mm <sup>2</sup> 6.0 mm <sup>2</sup>	
Dimensions		
Width	71.5 mm; 4 WU	
Height	90 mm	
Depth	58.5 mm	
Weights		
Weight, approx.	0.14 kg	
last modified:	06/22/2017	