



ET 200SP, CM CAN Gateway to CAN or CANopen networks, CAN 2.0A/B, CANopen Manager to CiA301/302, CANopen Slave to CiA301/302, IP20

General information	
Product type designation	CM 1x CAN ST
Firmware version	V1.2.x
<ul style="list-style-type: none"> <li>FW update possible</li> </ul>	Yes
usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC00
Product function	
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
<ul style="list-style-type: none"> <li>Module swapping during operation (hot swapping)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Isochronous mode</li> </ul>	No
Engineering with	
<ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	STEP 7 V15.1 or higher
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Input current	
Current consumption, typ.	20 mA
Current consumption, max.	25 mA
Power loss	
Power loss, typ.	0.5 W
Address area	
Address space per module	
<ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul>	256 byte
1. Interface	
Interface type	CAN according to CiA 303-1
Isolated	Yes; 500 V AC or 707 V DC
Interface types	
<ul style="list-style-type: none"> <li>Number of ports</li> </ul>	1
<ul style="list-style-type: none"> <li>Design of the connection</li> </ul>	Push-in terminal
CAN	
<ul style="list-style-type: none"> <li>CAN operating modes</li> </ul>	CAN Standard CAN 2.0A/B; CANopen Manager / Slave acc. to CiA
<ul style="list-style-type: none"> <li>Specification acc. to CiA</li> </ul>	CiA 301 & CiA 302
<ul style="list-style-type: none"> <li>Transmission rate, min.</li> </ul>	10 kbit/s
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> </ul>	1 000 kbit/s
<ul style="list-style-type: none"> <li>max. number of devices</li> </ul>	60
<ul style="list-style-type: none"> <li>Number of SDOs in parallel</li> </ul>	16; Parallel
<ul style="list-style-type: none"> <li>Number of PDOs</li> </ul>	128; Send / receive
Services	

— Node/life-guarding	Yes	
— Heartbeat	Yes	
— SYNC	Yes	
<b>Interrupts/diagnostics/status information</b>		
Alarms	Yes	
Diagnostics function	Yes	
<b>Diagnostics indication LED</b>		
• RUN LED	Yes	
• ERROR LED	Yes	
• MAINT LED	No	
• Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED	
<b>Potential separation</b>		
between backplane bus and interface	Yes	
<b>Isolation</b>		
Isolation tested with	707 V DC (type test)	
<b>Standards, approvals, certificates</b>		
CE mark	Yes	
UL approval	Yes	
RCM (formerly C-TICK)	Yes	
KC approval	Yes; Reg. No.: R-R-S49-ET200SPCMCAN	
EAC (formerly Gost-R)	Yes	
RoHS conformity	Yes	
<b>Ecological footprint</b>		
• environmental product declaration	Yes	
<b>Global warming potential</b>		
— global warming potential, (total) [CO2 eq]	25.2 kg	
— global warming potential, (during production) [CO2 eq]	6.15 kg	
— global warming potential, (during operation) [CO2 eq]	19.4 kg	
— global warming potential, (after end of life cycle) [CO2 eq]	-0.289 kg	
<b>Ambient conditions</b>		
<b>Ambient temperature during operation</b>		
• horizontal installation, min.	-30 °C	
• horizontal installation, max.	60 °C	
• vertical installation, min.	-30 °C	
• vertical installation, max.	50 °C	
• ceiling installation, min.	-30 °C	
• ceiling installation, max.	50 °C	
• floor installation, min.	-30 °C	
• floor installation, max.	50 °C	
<b>Altitude during operation relating to sea level</b>		
• Installation altitude above sea level, max.	5 000 m	
<b>Decentralized operation</b>		
to SIMATIC S7-300	No	
to SIMATIC S7-400	No	
to SIMATIC S7-1200	Yes	
to SIMATIC S7-1500	Yes	
<b>Dimensions</b>		
Width	15 mm	
Height	73 mm	
Depth	58 mm	
<b>Weights</b>		
Weight, approx.	32 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08

eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	EMV
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[Manufacturer Declaration](#)



EG-Konf.

[Miscellaneous](#)



UL

[KC](#)



RCM

Maritime application	Environment
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last modified:

7/2/2025

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