



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	V1.0.1
<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>Number of slaves, max.</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>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>last modified:</b>	4/21/2022 