



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
• FW update possible	Yes
usable BaseUnits	BU type A0
Color code for module-specific color-coded label	CC00
Product function	
• I&M data	Yes; I&M0 to I&M3
• Module swapping during operation (hot swapping)	Yes
• Isochronous mode	No
Engineering with	
• STEP 7 TIA Portal configurable/integrated from version	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	
• Address space per module, max.	256 byte
1. Interface	
Interface type	CAN according to CiA 303-1
Isolated	Yes; 500 V AC or 707 V DC
Interface types	
• Number of ports	1
• Design of the connection	Push-in terminal
CAN	
• CAN operating modes	CAN Standard CAN 2.0A/B; CANopen Manager / Slave acc. to CiA
• Specification acc. to CiA	CiA 301 & CiA 302
• Transmission rate, min.	10 kbit/s
• Transmission rate, max.	1 000 kbit/s
• max. number of devices	60
• Number of SDOs in parallel	16; Parallel
• Number of PDOs	128; Send / receive

Services			
— Node/life-guarding	Yes		
— Heartbeat	Yes		
— SYNC	Yes		
Interrupts/diagnostics/status information			
Alarms	Yes		
Diagnostics function	Yes		
Diagnostics indication LED			
• RUN LED	Yes		
• ERROR LED	Yes		
• MAINT LED	No		
• Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED		
Potential separation			
between backplane bus and interface	Yes		
Isolation			
Isolation tested with	707 V DC (type test)		
Standards, approvals, certificates			
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		
Ecological footprint			
• environmental product declaration	Yes		
Global warming potential			
— 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		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min.	-30 °C		
• horizontal installation, max.	60 °C		
• vertical installation, min.	-30 °C		
• vertical installation, max.	50 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	5 000 m		
Decentralized operation			
to SIMATIC S7-300	No		
to SIMATIC S7-400	No		
to SIMATIC S7-1200	Yes		
to SIMATIC S7-1500	Yes		
Dimensions			
Width	15 mm		
Height	73 mm		
Depth	58 mm		
Weights			
Weight, approx.	32 g		
Classifications			
		Version	Classification
	eClass	16	27-24-26-08
	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	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Miscellaneous](#)
[Manufacturer Declaration](#)



[China RoHS](#)

EG-Konf.

UL

EMVMaritime application








Maritime applicationEnvironment

[KR \(Korean Register of Shipping\)](#)


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