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Data sheet 6ES7137-6CA00-0BU0



SIMATIC ET 200SP, CM 1x DALI, DALI master module, integrated DALI bus power supply 160 mA, up to 64 DALI control gears, 63 control devices, color code CC20, suitable for BU type U0

General information	
Product type designation	CM 1xDALI
Firmware version	
● FW update possible	Yes
usable BaseUnits	BU type U0
Color code for module-specific color-coded label	CC20
Product function	
● I&M data	Yes; I&M0 to I&M3
● Isochronous mode	No
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	STEP 7 V15.1 or higher
● PROFIBUS from GSD version/GSD revision	GSD Revision 5
● PROFINET from GSD version/GSD revision	GSDML V2.34
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 (rated value)	163 mA
Current consumption, typ.	92 mA
Current consumption, max.	250 mA
Power loss	
Power loss, typ.	1.7 W
Address area	
Address space per module	
● Address space per module, max.	16 byte
● Inputs	16 byte
● Outputs	16 byte
Interface types	
DALI	
● Integrated power supply	Yes
— Supply current, min.	160 mA
— Supply current, max.	250 mA
— Can be switched off	Yes
● Cable length, max.	300 m
Protocols	
DALI	
● Standard according to DALI	DALI V2 Multi-Master

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Supported operating devices	
— Fluorescent lamps (device type 0)	Yes
— Emergency lighting with single battery (device type 1)	Yes
— Discharge lamps (device type 2)	Yes
— Low-voltage halogen lamps (device type 3)	Yes
— Incandescent lamps (device type 4)	Yes
— Direct voltage (device type 5)	Yes
— LED modules (device type 6)	Yes
— Switching function (device type 7)	Yes
— Color control (device type 8)	Yes
— Further operating devices	Yes; general device type
Supported input devices	
— Pushbuttons	Yes
— Absolute input devices	Yes
— Presence detector	Yes
— Light sensor	Yes
— Further input devices	Yes; general device type
Interrupts/diagnostics/status information	
Alarms	
● Diagnostic alarm	Yes
Diagnoses	
● Short-circuit	Yes; On DALI bus
Diagnostics indication LED	
● ERROR LED	Yes
● Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
● Receive RxD	Yes; green LED
● Transmit TxD	Yes; green LED
Potential separation	
between backplane bus and interface	Yes
Isolation	
Isolation tested with	3 000 V AC (type test)
Standards, approvals, certificates	
CE mark	Yes
RoHS conformity	Yes
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.	3 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Decentralized operation	
to SIMATIC S7-1200	Yes; FW V4.0 or higher
to SIMATIC S7-1500	Yes
Dimensions	
Width	20 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	50 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

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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

Manufacturer Declaration | Miscellaneous









General Product Approval | For use in hazardous locations





China RoHS







For use in hazardous locations

CCC-Ex | FM



Miscellaneous



Type Examination Certificate

For use in hazardous locations | Maritime application

CCC-Ex









NK / Nippon Kaiji Kyokai

Maritime application



CCS (China Classification Society) | KR (Korean Register of Shipping)

last modified: 4/21/2026

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