



Figure similar

SIPLUS ET 200SP CM DALI based on 6ES7137-6CA00-0BU0 with conformal coating -40...+60 °C, DALI master module, integrated DALI bus power supply 160 mA up to 64 operating devices 63 contolgear units color code CC20, suitable for BU type U0

General information	
Product type designation	CM 1xDALI
Firmware version	
• FW update possible	Yes
based on	<a href="#">6ES7137-6CA00-0BU0</a>
usable BaseUnits	BU type U0
Color code for module-specific color identification plate	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	see entry ID: 109746275
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	
• 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
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
<b>Supported input devices</b>	
— Pushbuttons	Yes
— Absolute input devices	Yes
— Presence detector	Yes
— Light sensor	Yes
— Further input devices	Yes; general device type
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
• Diagnostic alarm	Yes
<b>Diagnoses</b>	
• Short-circuit	Yes; On DALI bus
<b>Diagnostics indication LED</b>	
• ERROR LED	Yes
• Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
• Receive RxD	Yes; green LED
• Transmit TxD	Yes; green LED
<b>Potential separation</b>	
between backplane bus and interface	Yes
<b>Isolation</b>	
Isolation tested with	3 000 V AC (type test)
<b>Ambient conditions</b>	
Ambient temperature during operation	
• horizontal installation, min.	-40 °C; = Tmin (incl. condensation/frost)
• horizontal installation, max.	60 °C; = Tmax; +70 °C with spacing modules (6AG1193-6BN00-7BA0) or configured slots to the left and right of the module
• vertical installation, min.	-40 °C; = Tmin
• vertical installation, max.	50 °C; = Tmax
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
Relative humidity	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation / frost (no commissioning in bedewed state), horizontal installation
<b>Resistance</b>	
Coolants and lubricants	
— Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity degree 3)
— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
— Against mechanical environmental conditions acc. to EN 60721-3-3	Yes; Class 3M8 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0//6AG1193-6AB00-0AA0)
Use on land craft, rail vehicles and special-purpose vehicles	
— Against mechanical environmental conditions acc. to EN 60721-3-5	Yes; Class 5M2 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0/6AG1193-6AB00-0AA0)
— against mechanical environmental conditions in agriculture acc. to ISO 15003	Yes; Level 1 (Location LE) using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0/6AG1193-6AB00-0AA0)
<b>Use on ships/at sea</b>	

— to biologically active substances according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
— to chemically active substances according to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity degree 3).
— to mechanically active substances according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
— Against mechanical environmental conditions acc. to EN 60721-3-6	Yes; class 6M4 using the SIPLUS Mounting Kit ET 200SP (6AG1193-6AA00-0AA0/6AG1193-6AB00-0AA0)

#### Usage in industrial process technology

— Against chemically active substances acc. to EN 60654-4	Yes; Class 3 (excluding trichlorethylene)
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)

#### Conformal coating

• Coatings for printed circuit board assemblies acc. to EN 61086	Yes; Class 2 for high reliability
• Protection against fouling acc. to EN 60664-3	Yes; Type 1 protection
• Military testing according to MIL-I-46058C, Amendment 7	Yes; Discoloration of coating possible during service life
• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, Class A

#### 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
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#### Classifications

	Version	Classification
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

#### Approvals / Certificates

##### General Product Approval

[Manufacturer Declaration](#)



[China RoHS](#)

last modified:

7/17/2025