



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	
<ul style="list-style-type: none"> <li>FW update possible</li> </ul>	Yes
usable BaseUnits	BU type U0
Color code for module-specific color identification plate	CC20
Product function	
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
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
<ul style="list-style-type: none"> <li>PROFIBUS from GSD version/GSD revision</li> </ul>	GSD Revision 5
<ul style="list-style-type: none"> <li>PROFINET from GSD version/GSD revision</li> </ul>	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	
<ul style="list-style-type: none"> <li>Inputs</li> </ul>	16 byte
<ul style="list-style-type: none"> <li>Outputs</li> </ul>	16 byte
Interface types	
DALI	
<ul style="list-style-type: none"> <li>Integrated power supply</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— Supply current, min.</li> </ul>	160 mA
<ul style="list-style-type: none"> <li>— Supply current, max.</li> </ul>	250 mA
<ul style="list-style-type: none"> <li>— Can be switched off</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Cable length, max.</li> </ul>	300 m
Protocols	
DALI	
<ul style="list-style-type: none"> <li>Standard according to DALI</li> </ul>	DALI V2 Multi-Master
Supported operating devices	
<ul style="list-style-type: none"> <li>— Fluorescent lamps (device type 0)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— Emergency lighting with single battery (device type</li> </ul>	Yes

1)	
— 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>Standards, approvals, certificates</b>	
CE mark	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
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	3 000 m; Restrictions for installation altitudes > 2 000 m, see manual
<b>Decentralized operation</b>	
to SIMATIC S7-1200	Yes; FW V4.0 or higher
to SIMATIC S7-1500	Yes
<b>Dimensions</b>	
Width	20 mm
Height	73 mm
Depth	58 mm
<b>Weights</b>	
Weight, approx.	50 g

last modified:

8/16/2023 