# SIEMENS

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 identification plate | CC20 |
| Product function | |
| ● I&M data | Yes; I&M0 to I&M3 |
| 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 | |
| ● 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 | Yes |

3/13/2024

| | |
|---|---|
| 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 |
| 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 |

| | |
|---|---|
| **last modified:** | 3/12/2024 ⧉ |