



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"> FW update possible 	Yes
usable BaseUnits	BU type U0
Color code for module-specific color identification plate	CC20
Product function	
<ul style="list-style-type: none"> I&M data 	Yes; I&M0 to I&M3
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version 	STEP 7 V15.1 or higher
<ul style="list-style-type: none"> PROFIBUS from GSD version/GSD revision 	GSD Revision 5
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Inputs 	16 byte
<ul style="list-style-type: none"> Outputs 	16 byte
Interface types	
DALI	
<ul style="list-style-type: none"> Integrated power supply 	Yes
<ul style="list-style-type: none"> — Supply current, min. 	160 mA
<ul style="list-style-type: none"> — Supply current, max. 	250 mA
<ul style="list-style-type: none"> — Can be switched off 	Yes
<ul style="list-style-type: none"> Cable length, max. 	300 m
Protocols	
DALI	
<ul style="list-style-type: none"> Standard according to DALI 	DALI V2 Multi-Master
Supported operating devices	
<ul style="list-style-type: none"> — Fluorescent lamps (device type 0) 	Yes
<ul style="list-style-type: none"> — Emergency lighting with single battery (device type 	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		
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	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	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[KC](#)

For use in hazardous locations



[FM](#)

[CCC-Ex](#)



[Miscellaneous](#)

Marine / Shipping



[NK / Nippon Kaiji Kyokai](#)



Marine / Shipping

[CCS \(China Classification Society\)](#)



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