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Data sheet 6ES7193-7CA20-0AA0



Figure similar

SIMATIC, terminal module TM-EM/EM60S for ET200iSP, for two electronic modules, screw terminals in black, Ex eb [ia Ga/ib] IIC T4 Gb, Ex eb [ia IIIC Da] IIC T4 Gb, Ex eb [ia/ib] I Mb

General information	
Product type designation	TM-EM/EM60S
Installation type/mounting	
Rack mounting	No
Front mounting	Yes
Rail mounting	Yes
Wall mounting/direct mounting	No
Supply voltage	
Type of supply voltage	DC
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
At DC, max.	4 A
Output voltage	
Type of output voltage	DC
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Output current	
At DC, max.	4 A
Hardware configuration	
Slots	
● Number of slots	2
● Plug-in modules, analog I/O	Yes
● Plug-in modules, digital I/O	Yes
● Plug-in modules, function modules and technology modules	No
● Plug-in modules, communication modules	No
● Plug-in modules, CPUs	No
● Plug-in modules, others	Yes
Standards, approvals, certificates	
CE mark	CE 0344
Suitable for safety functions	Yes
reference designation according to IEC 81346-2 (2009)	XX
Use in hazardous areas	
● Explosion protection category for gas	No
● Explosion protection category for dust	No
● associated equipment (Ex ia)	No
● associated equipment (Ex ib)	No

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Marine approval	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
Dimensions	
Width	60 mm
Height	190 mm
Depth	52 mm
Weights	
Weight, approx.	235 g

Classifications

	Version	Classification
eClass	16	27-24-26-03
eClass	14	27-24-26-03
eClass	12	27-24-26-03
eClass	9.1	27-24-26-03
eClass	9	27-24-26-03
eClass	8	27-24-26-03
eClass	7.1	27-24-26-03
eClass	6	27-24-26-03
ETIM	10	EC001598
ETIM	9	EC001598
ETIM	8	EC001598
ETIM	7	EC001598
IDEA	4	3560
UNSPSC	15	32-15-17-04

Approvals / Certificates

General Product Approval

EG-Konf. | UKCA | Miscellaneous | RCM | China RoHS

General Product Approval	For use in hazardous locations				
Manufacturer Declaration	ATEX	IECEx	IECEx	Miscellaneous	CCC

For use in hazardous locations					Maritime application
CCC-Ex	INMETRO	Miscellaneous	IECEx	ATEX	ABS

Maritime application				Environment	
BUREAU VERITAS	DNV	LRS	PRS	EPD	EPD

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