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Data sheet 6ES7193-7CA00-0AA0



SIMATIC, terminal module TM-EM/EM60S for ET200iSP, for two electronic modules, screw terminals, 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 brand name	SIMATIC
Product family	ET 200iSP
Product category	Terminal module
Product type designation	TM-EM/EM60S
Product version	Screw terminals
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 / header	
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
UKCA mark	DEKRA 21UKEX0032 Importer UK: Siemens plc Manchester M20 2UR
cULus	LISTED E334384
FM approval	CLASSIFIED 3025852
Suitable for safety functions	Yes

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INMETRO certificate	UL-BR 12.0077
reference designation according to IEC 81346-2 (2009)	XX
Use in hazardous areas	
● ATEX marking	II 2 G (1) G Ex eb [ia Ga/ib] IIC T4 Gb II 2 G (1) D Ex eb [ia IIIC Da] IIC T4 Gb I M2 Ex eb [ia/ib] I Mb
● ATEX certificate	KEMA 04 ATEX 2242
● IECEx	IECEx KEM 05.0003
● CCC Ex	2020322310002881
● Explosion protection category for gas	ATEX gas explosion protection, Zone 1
● Explosion protection category for dust	ATEX dust explosion protection, Zone 21 always install in corresponding enclosure
● associated equipment (Ex ia)	Yes
● associated equipment (Ex ib)	Yes
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.	275 g

Classifications

	Version	Classification
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





Miscellaneous China RoHS KC



For use in hazardous locations





FM



Miscellaneous



For use in hazardous locations

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CCC-Ex

UL

INMETRO

Miscellaneous

IECEx

ATEX

Maritime application	Environment

ABS

BUREAU VERITAS

DNV

LRS

PRS

EPD

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