SIEMENS

Data sheet 6ES7288-0CD10-0AA0

	SIMATIC PM207/1AC/24VDC/3A SIMATIC S7-200 smart Regulated power supply input: 100-240 V AC output: 24 V/3 A DC
Technical Product Detail Page	https://i.siemens.com/1P6ES7288-0CD10-0AA0
input	
type of the power supply network	1-phase AC
supply voltage at AC	
• minimum rated value	100 V
• maximum rated value	240 V
• initial value	85 V
• full-scale value	264 V
input voltage at DC	88 ... 370 V
wide range input	Yes
buffering time for rated value of the output current in the event of power failure minimum	20 ms
operating condition of the mains buffering	at Vin = 170 V
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
• at rated input voltage 120 V	1.65 A
• at rated input voltage 230 V	0.75 A
current limitation of inrush current at 25 °C maximum	30 A
I2t value maximum	1.5 A²·s
fuse protection type	internal
fuse protection type in the feeder	Recommended miniature circuit breaker: 10 A characteristic C
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	22.8 ... 26.4 V
relative overall tolerance of the voltage	0.5 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.1 %
• on slow fluctuation of ohm loading	0.5 %
voltage peak	
• maximum	50 mV
• typical	25 mV
display version for normal operation	Green LED for 24 V OK
behavior of the output voltage when switching on	Overshoot of Vout < 1 %
response delay maximum	0.5 s
voltage increase time of the output voltage	
• typical	50 ms
output current	
• rated value	3 A
• rated range	0 ... 3 A; +55 ... +70 °C: Derating 3.5%/K
supplied active power typical	72 W
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	89 %

power loss [W]	
• at rated output voltage for rated value of the output current typical	9 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.2 %
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %
setting time	
• load step 10 to 90% typical	1 ms
• load step 90 to 10% typical	1 ms
protection and monitoring	
design of the overvoltage protection	< 28.8 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic
response value current limitation	3.6 ... 4.4 A
• typical	4 A
enduring short circuit current RMS value	
• typical	4 A
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class	Class I
leakage current	
• maximum	3.5 mA
protection class IP	IP20
EMC	
standard	
• for emitted interference	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
• UKCA marking	No
• EAC approval	No
• Regulatory Compliance Mark (RCM)	No
• CCC approval	Yes
• NEC Class 2	No
type of certification	
• BIS	Yes; R-41184349
• CB-certificate	Yes
MTBF at 40 °C	500 000 h
MTBF at 25 °C	according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V AC
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEx	No
• ATEX	No
• ULhazloc approval	No
• FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• French marine classification society (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
ambient conditions	

ambient temperature	
● during operation	-25 ... +70 °C; With natural convection
● during transport	-40 ... +85 °C
● during storage	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection	screw terminal
● at input	L, N, PE: screw terminal for 0.5 ... 6 mm² single-core / 0.5 ... 4 mm² finely stranded
● at output	+1, +2, -1, -2: screw terminal for 0.5 ... 4 mm²
mechanical data	
width × height × depth of the enclosure	45 × 10 × 81 mm
installation width × mounting height	85 mm × 140 mm
required spacing	
● top	20 mm
● bottom	20 mm
● left	20 mm
● right	20 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
● DIN-rail mounting	Yes
● S7 rail mounting	No
● wall mounting	Yes
housing can be lined up	No
net weight	0.46 kg
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

Manufacturer Declaration

CE
EG-Konf.

last modified: 11/25/2025

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