



SIMATIC, power supply module 24 V DC for ET200iSP, Ex db eb [ib] IIC T4 Gb, Ex db eb [ib] I Mb

General information	
Product type designation	PS 24 V DC
Redundancy	
• Redundancy capability	Yes
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	30 V
Reverse polarity protection	Yes
external protection for power supply lines (recommendation)	protection with 6 A miniature circuit breaker and tripping characteristic C (per ET 200iSP station)
Mains buffering	
• bridging time for backplane bus, min.	0.25 ms
• buffering time for powerbus, min.	0.25 ms
• buffering time for IM 152 CPU, min.	15 ms
Input current	
from supply voltage L+, max.	4 A
Output voltage	
Type of output voltage	DC
Output current	
Current output, max.	5 A
horizontal installation	
• up to 70 °C, max.	5 A
vertical installation	
• up to 50 °C, max.	5 A
Power loss	
Power loss, typ.	20 W; for more information on power loss, see "Limitation of connectable electronic modules" section
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	No
Diagnoses	
• Diagnostic information readable	Yes; via IM 152
Diagnostics indication LED	
• Group error SF (red)	No
Ex(I) characteristics	
maximum values for connecting terminals for gas group IIC	
• Um (voltage at non-intrinsically safe connecting)	250 V; for more AC/DC information, see certificate IECEx KEM 05.0004

terminals), max.	
Potential separation	
primary/secondary	Yes
between supply voltage and electronics	Yes
Isolation	
tested with	
<ul style="list-style-type: none"> between supply voltage and output voltage 	600 V DC
Degree and class of protection	
IP degree of protection	IP30
Standards, approvals, certificates	
CE mark	CE 0344
UKCA mark	DEKRA 21UKEX0027 Importer UK: Siemens plc Manchester M20 2UR
cULus	LISTED E334384
FM approval	CLASSIFIED 3025852
BIS	Yes
Suitable for safety functions	Yes
INMETRO certificate	UL-BR 12.0051
reference designation according to IEC 81346-2 (2009)	K
Use in hazardous areas	
<ul style="list-style-type: none"> ATEX marking ATEX certificate IECEX CCC Ex EAC Ex FM marking Explosion protection category for gas Explosion protection category for dust associated equipment (Ex ia) associated equipment (Ex ib) 	<p>II 2 G Ex db eb [ib] IIC T4 Gb I M2 Ex db eb [ib] I Mb</p> <p>KEMA 04 ATEX 2263</p> <p>IECEX KEM 05.0004</p> <p>2020322310002880</p> <p>1Ex d e [ib] IIC T4 Gb PII Ex d e [ib Mb] I Mc</p> <p>Class I, Zone 1 AEx d e [ib] IIC T4 NI, Class I, DIV.2, GP. A,B,C,D T4 DIP, Class II, III, GP. E,F,G</p> <p>ATEX gas explosion protection, Zone 1</p> <p>ATEX dust explosion protection, Zone 21 always install in corresponding enclosure</p> <p>No</p> <p>Yes</p>
Marine approval	
<ul style="list-style-type: none"> Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> min. max. 	<p>-20 °C</p> <p>70 °C</p>
Dimensions	
Width	60 mm
Height	190 mm
Depth	136.5 mm
Weights	
Weight, approx.	2 700 g
Classifications	

	Version	Classification
eClass	14	27-24-26-11
eClass	12	27-24-26-11
eClass	9.1	27-24-26-11
eClass	9	27-24-26-11
eClass	8	27-24-26-11
eClass	7.1	27-24-26-11
eClass	6	27-24-26-11
ETIM	10	EC002583
ETIM	9	EC002583

ETIM	8	EC002583
ETIM	7	EC002583
IDEA	4	3575
UNSPSC	15	32-15-17-06

Approvals / Certificates

General Product Approval



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4/22/2026 