



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			
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			
- ATEX marking - ATEX certificate - IECEX - CCC Ex - EAC Ex - FM marking	II 2 G Ex db eb [ib] IIC T4 Gb I M2 Ex db eb [ib] I Mb KEMA 04 ATEX 2263 IECEX KEM 05.0004 2020322310002880 1Ex d e [ib] IIC T4 Gb PII Ex d e [ib Mb] I Mc 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		
- Explosion protection category for gas - Explosion protection category for dust	ATEX gas explosion protection, Zone 1 ATEX dust explosion protection, Zone 21 always install in corresponding enclosure		
- associated equipment (Ex ia) - associated equipment (Ex ib)	No Yes		
Marine approval			
- Germanischer Lloyd (GL) - American Bureau of Shipping (ABS) - Bureau Veritas (BV) - Det Norske Veritas (DNV)	Yes Yes Yes Yes		
Ambient conditions			
Ambient temperature during operation			
- min. - max.	-20 °C 70 °C		
Dimensions			
Width	60 mm		
Height	190 mm		
Depth	136.5 mm		
Weights			
Weight, approx.	2 700 g		
Classifications			
		Version	Classification
	eClass	16	27-24-26-11
	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	For use in hazard-ous locations
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EG-Konf.

[Type Examination Cer-tificate](#)

[Miscellaneous](#)



EG-Konf.

[China RoHS](#)



IECEX

For use in hazardous locations	Radio Equipment Type Approval Certi-ficate	Environment
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ATEX

[CCC-Ex](#)



UL

[Miscellaneous](#)



EPD

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