



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 brand name	SIMATIC
Product family	ET 200iSP
Product category	Power supply module
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
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 / header	
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
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 terminals), max.	250 V

Potential separation	
primary/secondary	Yes
between supply voltage and electronics	Yes
Isolation	
tested with	
<ul style="list-style-type: none"> <li>between supply voltage and output voltage</li> </ul>	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"> <li>ATEX marking</li> <li>ATEX certificate</li> <li>IECEX</li> <li>CCC Ex</li> <li>EAC Ex</li> <li>FM marking</li> <li>Explosion protection category for gas</li> <li>Explosion protection category for dust</li> <li>associated equipment (Ex ia)</li> <li>associated equipment (Ex ib)</li> </ul>	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 ATEX gas explosion protection, Zone 1 ATEX dust explosion protection, Zone 21 always install in corresponding enclosure No Yes
Marine approval	
<ul style="list-style-type: none"> <li>Germanischer Lloyd (GL)</li> <li>American Bureau of Shipping (ABS)</li> <li>Bureau Veritas (BV)</li> <li>Det Norske Veritas (DNV)</li> </ul>	Yes Yes Yes Yes
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	-20 °C 70 °C
Dimensions	
Width	60 mm
Height	190 mm
Depth	136.5 mm
Weights	
Weight, approx.	2 700 g
last modified:	1/7/2025 