



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	
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)	250 V

terminals), max.		
<b>Potential separation</b>		
primary/secondary	Yes	
between supply voltage and electronics	Yes	
<b>Isolation</b>		
tested with		
<ul style="list-style-type: none"> <li>between supply voltage and output voltage</li> </ul>	600 V DC	
<b>Degree and class of protection</b>		
IP degree of protection	IP30	
<b>Standards, approvals, certificates</b>		
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	
<b>Use in hazardous areas</b>		
<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>	<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>	
<b>Marine approval</b>		
<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>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	
<b>Ambient conditions</b>		
Ambient temperature during operation		
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	<p>-20 °C</p> <p>70 °C</p>	
<b>Dimensions</b>		
Width	60 mm	
Height	190 mm	
Depth	136.5 mm	
<b>Weights</b>		
Weight, approx.	2 700 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
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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[Miscellaneous](#)



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