## SIEMENS

## Data sheet

## 6EP3330-6SB00-0AY0



LOGO!Power/1AC/24VDC/0.6A

LOGO!POWER 24 V / 0.6 A stabilized power supply input: 100-240 V AC output: 24 V DC/ 0.6 A

type of the power supply network1-phase AC or DCsupply voltage at AC100 V• minimum rated value240 V• minimum rated value240 V• initial value254 V• initial value264 V• full-scale value264 Voper values evended capability300 V AC for 1 s• under value of the output current in the event of power failure minimum300 V AC for 1 s• operating condition of the mains bufferingat Vin = 187 V• operating condition of the mains buffering40 ms• operating condition of the mains buffering500 Hz• at rated input voltage 120 V0.3 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.3 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.3 A• at rated input voltage 230 V0.3 A• at rated input voltage 230 V0.3 A• at rated input voltage 30 V0.3 A• at rated input voltage 30 V0.3 A </th <th>input</th> <th></th>	input	
• minimum rated value100 V• maximum rated value240 V• initial value85 V• full-scale value86 Vinput voltage at DC100300 Vwide range inputYesovervottage overload capability300 V AC for 1 sbuffering time for rated value of the output current in the event of power failure minimum40 msoperating condition of the mains bufferingat Vin = 187 Vine frequency5060 Hzine frequency5060 Hzine frequency5060 Hzine frequency5060 Hzine frequency0.3 A• at rated input voltage 120 V0.3 A• at rated input voltage 230 V20 Acurrent limitation of inrush ourrent at 25 °C maximum20 Afuse protection typeinternalfuse protection type in the feederNovoltage curve at outputControlled, isolated DC voltageoutput voltage at DC rated value24 Voutput voltage at DC rated value24 Voutput voltage adjustableNo• at output 1 at DC rated value0.1 %• on slow fluctuation of the uotput voltage0.1 %• on slow fluctuation of the uotput	type of the power supply network	1-phase AC or DC
• maximum rated value240 V• initial value85 V• initial value264 VInput voltage at DC110 300 Vwdie range inputYesovervoltage overload capability300 V AC for 1 sbuffering time for rated value of the output current in the event of power failure minimum40 msoperating condition of the mains bufferingat Vin = 187 Vline frequency50/60 Hzline frequency60/60 Hzing trequency0.3 A• at rated input voltage 230 V0.2 A• at rated input voltage 230 V0.2 Acurrent lindiation of inush current at 25 °C maximum20 A12t value maximum0.8 A* sfuse protection typeInternalvoltage at OC rated value24 Voutput voltage at OC rated value24 Voutput voltage at OC rated value24 Voutput voltage at Jos For Nova Rate24 Voutput voltage at Jos For Nova Rate0.1 %• at output 1 at DC rated value24 Voutput voltage at Jos For Nova Rate0.1 %• on slow fluctuation of nu loading0.1 %	supply voltage at AC	
• initial value85 V• full-scale value264 Vinput voltage at DC10 300 Vwide range input800 V AC for 1 sovervoltage overload capability300 V AC for 1 sbuffering time for rated value of the output current in the event of power failure minimum40 msoperating condition of the mains bufferingat Vin = 187 Vline frequency47 63 Hzine frequency74 63 Hzing true urrent-• at rated input voltage 230 V0.2 Acurrent limitation of inrush current at 25 °C maximum20 Afuse protection type in the feederRecommended miniature circuit breaker. from 6 A characteristic B or from 2 Avoltage curve at outputControlled, isolated DC voltageoutput voltage at DC rated value24 Voutput voltage at DC rated value24 Voutput voltage adjustableNorelative corrent liberace of the voltage0.1 %output voltage adjustable0.1 %e on slow fluctuation of input voltage0.1 %output voltage adjustable0.0 mVrelative corrent liberace of the voltage0.1 %voltage inplication of input voltage0.1 %voltage appendent200 mVvoltage appendent200 mVvoltage appendent300 mVvoltage peak300	minimum rated value	100 V
• full-scale value284 Vinput voltage at DC110 300 Vwide range inputYesovervoltage coverload capability300 VAC for 1 sbuffering time for rated value of the output current in the event of power failure minimum40 msoperating condition of the mains bufferingat Vin = 187 Vline frequency50/60 Hzinde frequency47 63 Hzinduct origination of the mains buffering0.3 A• at rated input voltage 120 V0.2 A• at rated input voltage 230 V0.2 Acurrent limitation of inrush current at 25 °C maximum80 A*sItse protection typeinternalfuse protection typeNofuse protection typeControlled, isolated DC voltageoutput voltage adjustable24 Voutput voltage adjustableNorelative overall tolerance of the voltage3%• at output 1 at DC rated value9%• on slow fluctuation of input voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of he output voltage0.1 %• on slow fluctuation of he loading0.0 mVvoltage peak200 mV• on slow fluctuation of he loading30 mVvoltage peak300 mV• naximum300 mV• voltage peak500 mV	<ul> <li>maximum rated value</li> </ul>	240 V
Input voltage at DC     110 300 V       wide range input     Yes       overvoltage overload capability     300 V AC for 1 s       buffering time for rated value of the output current in the event of power failure minimum     40 ms       operating condition of the mains buffering     at Vin = 187 V       line frequency     50/60 Hz       input voltage 120 V     0.3 A       • at rated input voltage 120 V     0.3 A       • at rated input voltage 230 V     0.2 A       Current limitation of inrush current at 25 °C maximum     20 A       121 value maximum     0.8 A² s       fuse protection type     internal       fuse protection type in the feeder     controlled, isolated DC voltage       output voltage at DC rated value     24 V       output voltage at DC rated value     24 V       output voltage adjustable     No       relative courcil to recision of the voltage     0.1 %       • at output 1 at DC rated value     24 V       output voltage adjustable     No       relative courcil or precision of the voltage     0.1 %       • on slow fluctuation of ninu voltage     0.1 %       • on slow fluctuation of niput voltage     0.1 %       • on slow fluctuation of niput voltage     0.1 %       • on slow fluctuation of niput voltage     0.1 %       • on slow fluctuation of nip	initial value	85 V
wide range input         Yes           overvoltage overload capability         300 V AC for 1 s           buffering time for rated value of the output current in the event of power failure minimum         40 ms           operating condition of the mains buffering         at Vin = 187 V           line frequency         50/60 Hz           line frequency         47 63 Hz           input current         -           • at rated input voltage 120 V         0.3 A           • at rated input voltage 230 V         0.2 A           current limitation of inrust current at 25 °C maximum         20 A           Izt value maximum         0.8 A*s           fuse protection type in the feeder         internal           fuse protection type in the feeder         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage at DC rated value         24 V           output voltage adjustable         No           relative control precision of the output voltage         3%           relative control precision of the output voltage         1.1%           output voltage adjustable         0.1 %           output voltage adjustable         0.1 %           output voltage adjustable         200 mV           output voltage adjustable	• full-scale value	264 V
overvolage overload capability         300 V AC for 1 s           buffering time for rated value of the output current in the event of power failure minimum         40 ms           operating condition of the mains buffering         at Vin = 187 V           line frequency         50/60 Hz           input current         50/60 Hz           e at rated input voltage 120 V         0.3 A           • at rated input voltage 230 V         0.2 A           current limitation of inrush current at 25 °C maximum         20 A           fuse protection type         internal           fuse protection type         internal           fuse protection type in the feeder         Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C           output voltage at DC rated value         24 V           output voltage at DC rated value         24 V           output voltage adjustable         No           relative coveral tolerance of the voltage         3 %           relative coveral for input voltage         0.1 %           on slow fluctuation of ninput voltage         0.1 %           output voltage peak         300 mV	input voltage at DC	110 300 V
buffering time for rated value of the output current in the event of power failure minimum         40 ms           operating condition of the mains buffering         at Vin = 187 V           line frequency         50/60 Hz           line frequency         47 63 Hz           input current	wide range input	Yes
power failure minimum         at Vin = 187 V           operating condition of the mains buffering         at Vin = 187 V           line frequency         50/60 Hz           line frequency         47 63 Hz           input current         -           • at rated input voltage 120 V         0.3 A           ourrent limitation of inrush current at 25 °C maximum         0.8 A² s           fuse protection type         internal           fuse protection type         internal           fuse protection type in the feeder         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage at DC rated value         24 V           output voltage adjustable         No           relative control precision of the voltage         3%           relative control precision of the voltage         0.1 %           relative control precision of the voltage         0.1 %           residual ripple         -           • on slow fluctuation of input voltage         0.1 %           residual ripple         -           • on slow fluctuation of input voltage         0.1 %           voltage adjustable         No           relative control precision of the voltage         0.1 %           • on slow fluctuation of	overvoltage overload capability	300 V AC for 1 s
Ine frequency50/60 Hzline frequency47 63 Hzinput current-• at rated input voltage 120 V0.3 A• at rated input voltage 230 V0.2 Acurrent limitation of inrush current at 25 °C maximum20 A121 value maximum0.8 A².sfuse protection typeinternalfuse protection typeinternalfuse protection typecommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic CoutputControlled, isolated DC voltageoutput voltage at DC rated value24 Voutput voltage at DC rated value24 Voutput voltage adjustableNorelative correl to levoltage3 %relative correl to levoltage3 %relative correl to provide the voltage0.1 %on slow fluctuation of ningut voltage0.1 %• on slow fluctuation of ohm loading0.1 %residual ripple-• maximum200 mVvoltage peak-• maximum300 mV• voltage peak-• inpical50 mV		40 ms
line frequency       47 63 Hz         input current          • at rated input voltage 120 V       0.3 A         • at rated input voltage 230 V       0.2 A         current limitation of inrush current at 25 °C maximum       20 A         12t value maximum       0.8 A*s         fuse protection type       internal         fuse protection type in the feeder       Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C         output       Output         voltage curve at output       Controlled, isolated DC voltage         output voltage at DC rated value       24 V         output voltage at DC rated value       0.1 %         relative overall tolerance of the output voltage       0.1 %         on slow fluctuation of input voltage       0.1 %         on slow fluctuation of ohm loading       0.1 %         on slow fluctuation of ohm loading       0.1 %         on slow fluctuation of ohm loading       0.1 %         onaximum	operating condition of the mains buffering	at Vin = 187 V
input current     0.3 A       • at rated input voltage 120 V     0.3 A       • at rated input voltage 230 V     0.2 A       current limitation of inrush current at 25 °C maximum     20 A       12t value maximum     0.8 A *s       fuse protection type     internal       fuse protection type in the feeder     Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C       output     Output       voltage curve at output     Controlled, isolated DC voltage       output voltage at DC rated value     24 V       output voltage adjustable     No       relative overall tolerance of the voltage     3%       relative control precision of the output voltage     0.1 %       on slow fluctuation of input voltage     0.1 %       • on slow fluctuation of ohn loading     0.1 %       voltage peak     300 mV       voltage peak     300 mV       • typical     300 mV	line frequency	50/60 Hz
• at rated input voltage 120 V0.3 A• at rated input voltage 230 V0.2 Acurrent limitation of inrush current at 25 °C maximum20 A12t value maximum0.8 A°-sfuse protection typeinternalfuse protection type in the feederRecommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic CoutputVoltage at DC rated valueoutput voltage at DC rated value24 Voutput voltage adjustableNorelative coveral tolerate of the voltage3 %relative coveral tolerate of the voltage0.1 %on slow fluctuation of input voltage0.1 %on slow fluctuation of ohm loading0.1 %overage peak200 mVvoltage peak30 mVvoltage peak300 mV	line frequency	47 63 Hz
• at rated input voltage 230 V0.2 Acurrent limitation of inrush current at 25 °C maximum20 A12t value maximum0.8 A²-sfuse protection typeinternalfuse protection type in the feederRecommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic CoutputOutputvoltage curve at outputControlled, isolated DC voltageoutput voltage at DC rated value24 Voutput voltage24 Voutput voltage adjustableNorelative overall tolerance of the voltage3 %relative control precision of the output voltage0.1 %o on slow fluctuation of input voltage0.1 %o on slow fluctuation of ohm loading0.1 %outgut voltage peak300 mVvoltage peak300 mV• maximum300 mV• typical50 mV	input current	
current limitation of inrush current at 25 °C maximum         20 A           12t value maximum         0.8 A².s           fuse protection type         internal           fuse protection type in the feeder         Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C           output         output           voltage curve at output         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage         24 V           output voltage adjustable         No           relative overall tolerance of the voltage         3 %           relative control precision of hn loading         0.1 %           o on slow fluctuation of ninut voltage         200 mV           e maximum         200 mV           voltage peak         300 mV	<ul> <li>at rated input voltage 120 V</li> </ul>	0.3 A
I2t value maximum       0.8 A².s         fuse protection type       internal         fuse protection type in the feeder       Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C         output       voltage curve at output       Controlled, isolated DC voltage         output voltage at DC rated value       24 V         output voltage       24 V         output voltage adjustable       No         relative overall tolerance of the voltage       3%         on slow fluctuation of input voltage       0.1 %         on slow fluctuation of ohm loading       0.1 %         residual ripple       300 mV         voltage peak       300 mV         voltage peak       300 mV	<ul> <li>at rated input voltage 230 V</li> </ul>	0.2 A
fuse protection type         internal           fuse protection type in the feeder         Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C           output         Voltage curve at output         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage         24 V           output voltage adjustable         24 V           output voltage adjustable         No           relative overall tolerance of the voltage         3%           relative control precision of the output voltage         0.1 %           on slow fluctuation of input voltage         0.1 %           e on slow fluctuation of ohm loading         0.1 %           residual ripple         200 mV           woltage peak         300 mV           voltage peak         50 mV	current limitation of inrush current at 25 °C maximum	20 A
fuse protection type in the feeder         Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C           output         Voltage curve at output         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage         24 V           output 1 at DC rated value         24 V           output voltage adjustable         No           relative overall tolerance of the voltage         3 %           output voltage         0.1 %           o on slow fluctuation of input voltage         0.1 %           output ripple         200 mV           in maximum         200 mV           ottpical         300 mV           voltage peak         50 mV	l2t value maximum	0.8 A <sup>2</sup> ·s
characteristic C           output           voltage curve at output         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage         -           • at output 1 at DC rated value         24 V           output voltage adjustable         No           relative overall tolerance of the voltage         3 %           • on slow fluctuation of input voltage         0.1 %           • on slow fluctuation of ohm loading         0.1 %           residual ripple         -           • maximum         200 mV           • typical         300 mV           voltage peak         -           • maximum         300 mV           • typical         50 mV	fuse protection type	internal
voltage curve at output         Controlled, isolated DC voltage           output voltage at DC rated value         24 V           output voltage         24 V           output voltage at output 1 at DC rated value         24 V           output voltage adjustable         No           relative overall tolerance of the voltage         3 %           relative control precision of the output voltage         0.1 %           on slow fluctuation of input voltage         0.1 %           e on slow fluctuation of ohm loading         0.1 %           residual ripple         200 mV           • typical         300 mV           voltage peak         300 mV           • typical         50 mV	fuse protection type in the feeder	
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output voltage• at output 1 at DC rated value24 Voutput voltage adjustableNorelative overall tolerance of the voltage3 %relative control precision of the output voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of ohm loading0.1 %residual ripple200 mV• typical300 mVvoltage peak300 mV• typical50 mV	voltage curve at output	Controlled, isolated DC voltage
• at output 1 at DC rated value24 Voutput voltage adjustableNorelative overall tolerance of the voltage3 %relative control precision of the output voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of ohm loading0.1 %residual ripple200 mV• maximum200 mV• typical30 mVvoltage peak300 mV• typical50 mV	output voltage at DC rated value	24 V
output voltage adjustableNorelative overall tolerance of the voltage3 %relative control precision of the output voltage0.1 %• on slow fluctuation of input voltage0.1 %• on slow fluctuation of ohm loading0.1 %residual ripple200 mV• maximum200 mV• typical30 mVvoltage peak300 mV• typical50 mV	output voltage	
relative overall tolerance of the voltage       3 %         relative control precision of the output voltage       0.1 %         • on slow fluctuation of input voltage       0.1 %         • on slow fluctuation of ohm loading       0.1 %         residual ripple       200 mV         • typical       30 mV         voltage peak       300 mV         • maximum       50 mV	<ul> <li>at output 1 at DC rated value</li> </ul>	24 V
relative control precision of the output voltage       0.1 %         • on slow fluctuation of input voltage       0.1 %         • on slow fluctuation of ohm loading       0.1 %         residual ripple       200 mV         • maximum       200 mV         • typical       30 mV         voltage peak       300 mV         • typical       50 mV	output voltage adjustable	No
• on slow fluctuation of input voltage0.1 %• on slow fluctuation of ohm loading0.1 %residual ripple• maximum200 mV• typical30 mVvoltage peak• maximum300 mV• typical50 mV	relative overall tolerance of the voltage	3 %
• on slow fluctuation of input voltage0.1 %• on slow fluctuation of ohm loading0.1 %residual ripple• maximum200 mV• typical30 mVvoltage peak• maximum300 mV• typical50 mV	relative control precision of the output voltage	
• on slow fluctuation of ohm loading0.1 %residual ripple-• maximum200 mV• typical30 mVvoltage peak-• maximum300 mV• typical50 mV		0.1 %
• maximum         200 mV           • typical         30 mV           voltage peak         300 mV           • maximum         300 mV           • typical         50 mV	<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.1 %
• typical     30 mV       voltage peak	residual ripple	
voltage peak     • maximum     • typical	● maximum	200 mV
• maximum 300 mV • typical 50 mV	● typical	30 mV
• typical 50 mV	voltage peak	
	● maximum	300 mV
	● typical	50 mV
		Green LED for output voltage OK

hohavier of the output voltage when switching on	No eversheet of Vout (coft start)
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	0.5 s
voltage increase time of the output voltage	
typical	100 ms
output current	
<ul> <li>rated value</li> </ul>	0.6 A
rated range	0 0.6 A; +55 +70 °C: Derating 2%/K
supplied active power typical	14.4 W
bridging of equipment	No
efficiency	
efficiency in percent	81 %
power loss [W]	
<ul> <li>at rated output voltage for rated value of the output</li> </ul>	3.4 W
current typical	
<ul> <li>during no-load operation maximum</li> </ul>	0.3 W
closed-loop control	
relative control precision of the output voltage with rapid	0.2 %
fluctuation of the input voltage by +/- 15% typical	
relative control precision of the output voltage at load step of	2 %
resistive load 10/90/10 % typical setting time	
	1 ms
load step 10 to 90% typical	
<ul> <li>load step 90 to 10% typical</li> </ul>	1 ms
protection and monitoring	
design of the overvoltage protection	Yes, according to EN 60950-1
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic
• typical	0.8 A
overcurrent overload capability	
when switching on	150% lout rated typ. 200 ms
in normal operation	overload capability 150% lout rated typ. 200 ms
enduring short circuit current RMS value	
maximum	0.8 A
measuring point for output current	No
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
operating resource protection class	Class II (without protective conductor)
protection class IP	IP20
EMC	
standard	
<ul> <li>for emitted interference</li> </ul>	EN 55022 Class B
<ul> <li>for mains harmonics limitation</li> </ul>	not applicable
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	
	Ves: cl.II. us_listed (III 508 CSA C22.2 No. 107.1) File E107250; cl.IRus_
	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310)
CSA approval	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2
CSA approval     EAC approval	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2
	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310)
• EAC approval	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes
EAC approval     NEC Class 2	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273
EAC approval     NEC Class 2     SEMI F47	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273
EAC approval     NEC Class 2     SEMI F47 type of certification	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes
<ul> <li>EAC approval</li> <li>NEC Class 2</li> <li>SEMI F47</li> <li>type of certification</li> <li>CB-certificate</li> <li>MTBF at 40 °C</li> </ul>	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes
<ul> <li>EAC approval</li> <li>NEC Class 2</li> <li>SEMI F47</li> <li>type of certification</li> <li>CB-certificate</li> <li>MTBF at 40 °C</li> <li>standards, specifications, approvals hazardous environments</li> </ul>	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes
<ul> <li>EAC approval</li> <li>NEC Class 2</li> <li>SEMI F47</li> <li>type of certification</li> <li>CB-certificate</li> <li>MTBF at 40 °C</li> </ul>	Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus- Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) Yes Yes; according to UL1310, File E151273 Yes

	N.
• ATEX	No
ULhazloc approval	No
<ul> <li>cCSAus, Class 1, Division 2</li> </ul>	No
FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
<ul> <li>French marine classification society (BV)</li> </ul>	Yes
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	Yes
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes
standards, specifications, approvals Environmental Product De	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
total	94.5 kg
<ul> <li>during manufacturing</li> </ul>	1.3 kg
<ul> <li>during operation</li> </ul>	93.1 kg
after end of life	0.05 kg
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: 1 screw terminal each for 0.5 2.5 mm2 single-core/finely stranded
<ul> <li>at output</li> </ul>	+, -: 1 screw terminal each for 0.5 2.5 mm²
<ul> <li>for auxiliary contacts</li> </ul>	
mechanical data	
width × height × depth of the enclosure	18 × 90 × 53 mm
installation width × mounting height	18 mm × 130 mm
required spacing	
• top	20 mm
bottom	20 mm
• left	0 mm
● right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions
DIN-rail mounting	Yes
S7 rail mounting	No
wall mounting	Yes
housing can be lined up	Yes
net weight	0.07 kg
further information internet links	
internet link	
• to website: Industry Mall	https://mall.industry.siemens.com
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://www.siemens.com/tstcloud
• to web page: power supplies	https://siemens.com/sitop
• to website: CAx-Download-Manager	https://siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected

to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Version

Classification

## 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	9	EC002540
			ETIM	8	EC002540
			ETIM	7	EC002540
			IDEA	4	4130
			UNSPSC	15	39-12-10-04
Approvals Certificates					
General Product Approva	al				
		6	Manufacturer Declara-	Declaration of Con-	
СВ	CB GB		tion	formity	UK CA
CB	CB	(SP)	tion	<u>formity</u>	ČÀ
	CB	(SP)	tion	formity Maritime application	ČÀ
CB	CB	ECM RCM	tion Miscellaneous	<u>formity</u>	
CB General Product Approva	CB	Environment	tion	formity Maritime application	BUREAU
CB General Product Approva C C EG-Konf.	CB	Environment Epperature	tion	formity Maritime application	BUREAU

last modified:

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