## **SIEMENS**

Data sheet 6EP1332-1SH71



SIMATIC PM1207/1AC/24VDC/2.5A

SIMATIC S7-1200 Power Module PM1207 Stabilized power supply input: 120/230 V AC, output: DC 24 V/2,5 A

Input		
Input	1-phase AC	
<ul><li>Note</li></ul>	Automatic range selection	
supply voltage		
<ul> <li>1 at AC rated value</li> </ul>	120 V	
<ul><li>2 at AC rated value</li></ul>	230 V	
input voltage		
• 1 at AC	85 132 V	
• 2 at AC	176 264 V	
Wide-range input	No	
Overvoltage resistance	2.3 × Vin rated, 1.3 ms	
Mains buffering	at Vin = 93/187 V	
Mains buffering at lout rated, min.	20 ms; at Vin = 93/187 V	
Rated line frequency 1	50 Hz	
Rated line frequency 2	60 Hz	
Rated line range	47 63 Hz	
input current		
<ul> <li>at rated input voltage 120 V</li> </ul>	1.2 A	
<ul> <li>at rated input voltage 230 V</li> </ul>	0.67 A	
Switch-on current limiting (+25 °C), max.	13 A	
duration of inrush current limiting at 25 °C		
• maximum	3 ms	
l²t, max.	0.5 A <sup>2</sup> ·s	
Built-in incoming fuse	T 3,15 A/250 V (not accessible)	
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: 16 A characteristic B or 10 A characteristic C	
Output		
Output	Controlled, isolated DC voltage	
Rated voltage Vout DC	24 V	
output voltage at output 1 at DC rated value	24 V	
Total tolerance, static ±	3 %	
Static mains compensation, approx.	0.1 %	
Static load balancing, approx.	0.2 %	
Residual ripple peak-peak, max.	150 mV	
Spikes peak-peak, max. (bandwidth: 20 MHz)	240 mV	
product function output voltage adjustable	No	
Output voltage setting	•	
Status display	Green LED for 24 V OK	
On/off behavior	No overshoot of Vout (soft start)	

Startup delay, max.  6 s; 2 s at 230 V, 6 s at 120 V Voltage rise, typ.  Rated current value lout rated  2.5 A  Current range  3 2.5 A  supplied active power typical  60 W  short-circuiting during the start-up typical  • on short-circuiting during the start-up typical  • at short-circuit during operation typical  duration of overloading capability for excess current  • on short-circuit during operation  • on short-circuit protection  • on short-circuit during operation  • on short-circuit protection  • on short-circuit prote
Rated current value lout rated  Current range  0 2.5 A  Supplied active power typical short-term overload current  • on short-circuiting during the start-up typical all at short-circuit during operation typical duration of overloading capability for excess current • on short-circuiting during the start-up all the short-circuit during operation 100 ms  100 ms  100 ms  Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Fifticiency  Efficiency  Efficiency  Efficiency  Efficiency  Tobus at Vout rated, lout rated, approx. 12 W  Clossed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 5 ms setting time maximum 5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ. 2,65 A property of the output short-circuit proof Short-circuit protection enduring short circuit current RMS value • typical  • typical  • typical  • typical  • protection class leakage current • maximum  Degree of protection (EN 60529)  Approvats  CE mark  UL/CU. (CSA) approval  ECEX EX RA A C IICT 14 G c, ATEX (EX) IIS GE x nA R C IICT 14 G c;  ECEX EX RA A C IICT 14 G c, ATEX (EX) IIS GE x nA R C IICT 14 G c;  ECEX EX RA A C IICT 14 G c, ATEX (EX) IIS GE x nA R C IICT 14 G c;  Explosion protection  IECEX EX RA A C IICT 14 G c, ATEX (EX) IIS GE x nA R C IICT 14 G c;
Current range
supplied active power typical short-term overload current o no short-circuiting during the start-up typical at short-circuiting during the start-up typical of at short-circuiting during the start-up on short-circuiting during operation  Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency Efficiency Efficiency  Efficiency at Vout rated, lout rated, approx. 12 W  Closed-loop control  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. 12 W  Load step setting time 50 to 100%, typ. 5 ms  Load step setting time 50 to 100%, typ. 5 ms  esting time maximum 5 ms  Protection and monitoring  Cutput overvoltage protection  Current limitation, typ. property of the output short-circuit proof Short-circuit protection enduring short circuit current RMS value • typical  • typical  • typical  • pylical • maximum  Degree of protection (EN 60529)  Approvals  CE mark  ULOUL (CSA) approval  ECEX EX RA AC ILOT 46 (2, FTEX (EXEX) ESSE)  ECEX EX RA AC ILOT 46 (2, FTEX (EXEX) ESSE)  ECEX EX RA AC ILOT 47 GC, FTEX (EXEX) ESSE; CATEX (EXEX) ESSE; CAT
short-term overload current  on short-circuit during the start-up typical all at short-circuit during operation typical duration of overloading capability for excess current on short-circuit during operation at a short-circuit during operation at a short-circuit during operation at a short-circuit during operation at short-circuit during operation at a short-circuit during operation but short-circuit during operation at short-circuit during operation but short-circuit during operation  Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  83 %  Power loss at Vout rated, lout rated, approx.  12 W  Closad-loop control  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Jount ± typ.  Load step setting time 50 to 100%, typ.  5 ms  setting time maximum 5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  Property of the output short-circuit proof  Yes  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/CUL (CSA) approval  ECE mark  Ves  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60895-01. 24 A C27. Ro. A C3 C17 4 Gc; ATEX (EX), IT REC (EX TEX (EX), IT REC (EX) TEX (EX), IT REC (EX)
• on short-circuiting during the start-up typical • at short-circuit during operation typical duration of overloading capability for excess current • on short-circuiting during the start-up • at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  setting time maximum  setting time maximum  protection and monitoring  Output overvoitage protection  Current limitation, typ.  property of the output short-circuit proof Short-circuit protection  enduring short circuit current RMS value  • typical  • typical  • washing scalation  Primany/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  3.5 mA  Degree of protection (EN 60529)  Approvals  CE mark  Yes  UL/CUL (CSA) approval  Ecxplosion protection  ICC A A A A C IIC T 4G c; ATEX (EX) II SC ATE AN AC IIC T 4G c;  Explosion protection  ICC A SA AN AC IIC T 4G c; ATEX (EX) IIS C ATEX (EX) IICC ATEX (EX) (EX) EX (EX) IICC ATEX (EX) (EX) EXC (EX) EX (EX) IIS C AN AN C IIC T 4G c;  Explosion protection
• at short-circuit during operation typical  duration of overloading capability for excess current • on short-circuiting during the start-up • at short-circuit during operation  Parallel switching for enhanced performance  Parallel switching for enhanced performance  Promarice  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated approx.  12 W  Closed-loop control  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  5 ms  Load step setting time 100 to 50%, typ.  5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  Protection and monitoring  Output overvoltage protection  Short-circuit protection  enduring short circuit current RMS value  • typical  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  Protection class  leakage current  • maximum  3.5 mA  Degree of protection (EN 60529)  Approvals  CE mark  Yes  UL/cUL (CSA) approval  ECE mark  Yes  CULus-Listed (UL 508, CSA C22.2 No. 60950-1) File E197259; cURus-Explosion protection  IECE Ex RA nA C II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc; ATEX (EX) II SA Ex RA nC II C 74 Gc;
duration of overloading capability for excess current  ● on short-circuiting during the start-up  ● at short-circuit during operation  Parallel switching for enhanced performance  Numbers of parallel switchable units for enhanced performance  Pefficiency  Efficiency  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  setting time maximum  5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof  Short-circuit protection  overload/short-circuit current RMS value  • typical  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  Protection class  class    leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection    CCE xx An CE   IC 74 Gc; ATEX (EX)   II 3G Ex NA C II C 74 Gc
• on short-circuiting during the start-up • at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Efficiency
• at short-circuit during operation Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Efficiency Efficiency Efficiency at Yout rated, lout rated, approx. Power loss at Yout rated, lout rated, approx.  12 W  Closed-loop control Dynamic mains compensation (Vin rated ±15 %), max. Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ. Load step setting time 50 to 100%, typ. 5 ms Load step setting time 50 to 100%, typ. 5 ms setting time maximum Protection and monitoring  Output overvoltage protection Current limitation, typ. Protection timitation, typ. Protection and monitoring  Output overvoltage protection Constant current characteristic enduring short circuit current RMS value • typical Overload/short-circuit indicator  Safety Primary/secondary isolation galvanic isolation Protection class leakage current • maximum  Degree of protection (EN 60529)  Approvals  CE mark Ves  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, File E151273) ECEX EX nA nC IIC T4 Gc; ATEX (EX) II 36 Ex nA nC IIC T4 Gc; ECEX EX nA nC IIC T4 Gc; ATEX (EX) II 36 Ex nA nC IIC T4 Gc;
Parallel switching for enhanced performance Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Dynamic nains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  Sms  Load step setting time 100 to 50%, typ.  Setting time maximum  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  Protection and short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Load Step setting time 40 to 50%, typ.  Explosion protection  Cluss I leck Yes  UL/cUL (CSA) approval  ECE mark  Yes  CULus-Listed (UL 508, CSA C22.2 No. 60950-1) File E151273;  Explosion protection  IECEX EX RA NO IIC T4 Gc; ATEX (EX) II 3G Ex NA C IIC T4 Gc;
Numbers of parallel switchable units for enhanced performance  Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  12 W  Closed-loop control  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  Load step setting time 50 to 100%, typ.  Load step setting time 100 to 50%, typ.  5 ms  setting time maximum  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  Property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Lipcol  UL/GUL (CSA) approval  Explosion protection  ECE mark  UL/GUL (CSA) approval  ECE x x x A n C IIC T4 Gc; ATEX (EX) II 36 Ex x A n C IIC T4 Gc;  IECEX x X A n C IIC T4 Gc;
Efficiency  Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.  Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  Load step setting time 50 to 100%, typ.  Soms  Load step setting time 100 to 50%, typ.  Soms  Setting time maximum  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  IP20  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  IECEX Ex RA An Cl IC T4 Ge; ATEX (EX) II 30 Ex RA CR CI 21 Na An Cl IC T4 Ge;  IECEX Ex RA An Cl IC T4 Ge;  IECEX Ex RA An Cl IC T4 Ge;  IECEX Ex RA An Cl IC T4 Ge;
Efficiency at Vout rated, lout rated, approx.  Power loss at Vout rated, lout rated, approx.    2 W
Power loss at Vout rated, lout rated, approx.    Closed-loop control
Dynamic mains compensation (Vin rated ±15 %), max.   Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.   3 %     Load step setting time 50 to 100%, typ.   5 ms   5 ms     Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   5 ms   Stating time maximum   2.65 A   Stating time maximum   2.65 A   Stating time maximum   2.7 A   Stating time maximum   2.7 A   Stating time maximum   2.7 A   Stating time maximum   3.5 mA   Stating time maximum   Stating time maximu
Dynamic mains compensation (Vin rated ±15 %), max.  Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  Load step setting time 50 to 100%, typ.  5 ms  Load step setting time 100 to 50%, typ.  5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  In 100 to 100/50 %), Uout ± typ.  5 ms  5 ms  7 ms  9
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  5 ms  Load step setting time 100 to 50%, typ.  setting time maximum  5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/CUL (CSA) approval  Explosion protection  Los Su
Dynamic load smoothing (lout: 50/100/50 %), Uout ± typ.  Load step setting time 50 to 100%, typ.  Load step setting time 100 to 50%, typ.  setting time maximum  5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/CUL (CSA) approval  Explosion protection  Load step setting time 50 to 100%, typ.  5 ms  5 ms  5 ms  5 ms  5 ms  5 ms  Constant current characteristic  Constant current characteristic  2.7 A  2.65 A  Yes  Safety  2.7 A  Coverload/short-circuit indicator  Safety  Primary/secondary isolation  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501  Class I  Leakage current  • maximum  3.5 mA  Degree of protection (EN 60529)  Approvals  CE mark  Yes  UL/CUL (CSA) approval  ECE mark  IECEX EX NA NC IIC T4 GC; ATEX (EX) II 3G EX NA NC IIC T4 GC;
Load step setting time 50 to 100%, typ.  Load step setting time 100 to 50%, typ.  setting time maximum  Frotection and monitoring  Output overvoltage protection  Current limitation, typ. 2.65 A property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation galvanic isolation galvanic isolation Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  Ves  UL/cUL (CSA) approval  Explosion protection  IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
Load step setting time 100 to 50%, typ.  setting time maximum  5 ms  Protection and monitoring  Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof Short-circuit protection enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation galvanic isolation Protection class  leakage current • maximum Degree of protection (EN 60529)  Approvals  CE mark  Ves  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX EX NA NC IIIC T4 Gc; ATEX (EX) II 3G EX NA NC IIIC T4 Gc;  IECEX EX NA NC IIIC T4 Gc; ATEX (EX) II 3G EX NA NC IIIC T4 Gc;
setting time maximum 5 ms  Protection and monitoring  Output overvoltage protection < 33 V  Current limitation, typ. 2.65 A property of the output short-circuit proof Yes Short-circuit protection Constant current characteristic enduring short circuit current RMS value  • typical 2.7 A  Overload/short-circuit indicator  Safety  Primary/secondary isolation Yes galvanic isolation Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501 Protection class Class I  leakage current  • maximum 3.5 mA  Degree of protection (EN 60529) IP20  Approvals  CE mark Yes  UL/CUL (CSA) approval CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection IEC x x nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc;
Protection and monitoring  Output overvoltage protection <a href="#">&lt; 33 V</a> Current limitation, typ. 2.65 A property of the output short-circuit proof Yes Short-circuit protection Constant current characteristic enduring short circuit current RMS value  • typical 2.7 A Overload/short-circuit indicator  Safety Primary/secondary isolation Yes galvanic isolation Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501 Protection class Class I leakage current  • maximum 3.5 mA Degree of protection (EN 60529)  Approvals CE mark UL/cUL (CSA) approval  Explosion protection  Explosion protection    Common of the content of
Output overvoltage protection  Current limitation, typ.  property of the output short-circuit proof  Short-circuit protection  enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection    Cass I
Current limitation, typ.  property of the output short-circuit proof Short-circuit protection Constant current characteristic enduring short circuit current RMS value  • typical Overload/short-circuit indicator  Safety  Primary/secondary isolation Protection class leakage current • maximum Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  2.65 A  Yes  Constant current characteristic  Constant current characteristic  Yes  2.7 A  2.7 A  2.65 A  Yes  Canstal  Class I  Protection class class output voltage Uout acc. to EN 60950-1 and EN 501  Protection class Ileakage current • maximum  3.5 mA  Degree of protection (EN 60529)  Approvals  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
property of the output short-circuit proof Short-circuit protection cnuring short circuit current RMS value • typical Overload/short-circuit indicator  Safety Primary/secondary isolation galvanic isolation Protection class leakage current • maximum Degree of protection (EN 60529)  Approvals  CE mark UL/cUL (CSA) approval  Explosion protection  Yes  2.7 A  2.7 A  2.7 A  2.7 A  Yes  Safety  Class I  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501  Class I  Protection class IP20  Approvals  CE mark Yes  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection IECEX Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc;
Short-circuit protection enduring short circuit current RMS value • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation galvanic isolation Protection class leakage current • maximum Degree of protection (EN 60529)  Approvals  CE mark UL/cUL (CSA) approval  Explosion protection  Constant current characteristic  2.7 A  2.7 A  2.7 A  Yes  Safety  Yes  Class I  Loas I  Loas I  Loas I  Load I  Loa
enduring short circuit current RMS value  • typical  Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  Explosion protection  2.7 A  2.7 A  2.7 A  Yes  Class I  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501  Class I  Protection class  Class I  P20  Approvals  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc;
<ul> <li>typical</li> <li>Overload/short-circuit indicator</li> <li>Safety</li> <li>Primary/secondary isolation</li> <li>galvanic isolation</li> <li>Protection class</li> <li>leakage current</li> <li>maximum</li> <li>Degree of protection (EN 60529)</li> <li>Approvals</li> <li>CE mark</li> <li>UL/cUL (CSA) approval</li> <li>Explosion protection</li> <li>Explosion protection</li> <li>Yes</li> <li>2.7 A</li> <li>Yes</li> <li>Class I</li> <li>Glass I</li> <li>IP20</li> <li>Approvals</li> <li>CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273</li> <li>Explosion protection</li> <li>IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;</li> </ul>
Overload/short-circuit indicator  Safety  Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  Protection (EN 60529)  Yes  Class I  IP20  Approvals  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
SafetyPrimary/secondary isolationYesgalvanic isolationSafety extra-low output voltage Uout acc. to EN 60950-1 and EN 501Protection classClass Ileakage current• maximum• maximum3.5 mADegree of protection (EN 60529)IP20ApprovalsYesUL/cUL (CSA) approvalcULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273Explosion protectionIECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc;
Primary/secondary isolation  galvanic isolation  Protection class  leakage current  • maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  Yes  Class I  Class I  Recognized (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  Yes  Class I  Ves  UL/cUL (CSA) approval  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
galvanic isolation  Protection class  Class I  leakage current  ● maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  Explosion protection  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501  Class I  Protection (EN 60950-1 and EN 501  Responsible to EN 60950-1 and EN 501  Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 501  Class I  Protection (EN 60950-1 and EN 501  Substitution (EN 60950-1 and EN 501  Substitution (EN 60950-1 and EN 501  Class I  Substitution (EN 60950-1 and EN 501  Substituti
Protection class  leakage current
leakage current
● maximum  Degree of protection (EN 60529)  Approvals  CE mark  UL/cUL (CSA) approval  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
Degree of protection (EN 60529)         IP20           Approvals         Yes           UL/cUL (CSA) approval         cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273           Explosion protection         IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
Approvals  CE mark  UL/cUL (CSA) approval  CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX EX nA nC IIC T4 Gc; ATEX (EX) II 3G EX nA nC IIC T4 Gc;
CE mark         Yes           UL/cUL (CSA) approval         cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273           Explosion protection         IECEX Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc;
UL/cUL (CSA) approval  cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  Explosion protection  IECEX Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc;
Explosion protection  Recognized (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  EXPLOSION PROTECTION  RECOGNIZED (UL 60950-1, CSA C22.2 No. 60950-1) File E151273  EXPLOSION PROTECTION FILE E151273
T4, File E330455
certificate of suitability NEC Class 2 No
FM approval Class I, Div. 2, Group ABCD, T4
CB approval  Yes
certificate of suitability EAC approval  Yes
Marine approval  ABS, BV, DNV GL, LRS, NK
EMC
Emitted interference EN 55022 Class B
Supply harmonics limitation not applicable  Noise immunity  EN 61000 6.3
Noise immunity EN 61000-6-2
environmental conditions
ambient temperature
• during operation 0 60 °C
— Note with natural convection
● during transport -40 +85 °C
◆ during storage  -40 +85 °C

Humidity class according to EN 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
Connection technology	screw-type terminals
Connections	
<ul> <li>Supply input</li> </ul>	L, N, PE: 1 screw terminal each for 0.5 2.5 mm <sup>2</sup>
<ul> <li>Output</li> </ul>	L+, M: 2 screw terminals each for 0.5 2.5 mm <sup>2</sup>
Auxiliary	-
width of the enclosure	70 mm
height of the enclosure	100 mm
depth of the enclosure	75 mm
required spacing	
• top	20 mm
• bottom	20 mm
• left	0 mm
• right	0 mm
Weight, approx.	0.3 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15, wall mounting
MTBF at 40 °C	1 492 537 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

