## SIEMENS

## Data sheet

## 6AG1331-6SB00-7AY0





SIPLUS LOGO! Power 24V 1,3A for medial stress -40...+70°C start up at -25°C based on 6EP3331-6SB00-0AY0 . stabilized power supply input: AC 100-240 V output: DC 24 V / 1,3 A

Input	
Input	1-phase AC or DC
Rated voltage value Vin rated	100 240 V
Voltage range AC	85 264 V
input voltage	
• at DC	110 300 V
Wide-range input	Yes
Mains buffering	at Vin = 187 V
Mains buffering at lout rated, min.	40 ms; at Vin = 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>	0.7 A
<ul> <li>at rated input voltage 230 V</li> </ul>	0.35 A
Switch-on current limiting (+25 °C), max.	25 A
l²t, max.	0.8 A <sup>2</sup> ·s
Built-in incoming fuse	internal
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C
Output	

Οάιραι	
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.	0.1 %
Residual ripple peak-peak, max.	200 mV
Residual ripple peak-peak, typ.	30 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	300 mV
Spikes peak-peak, typ. (bandwidth: 20 MHz)	50 mV
Adjustment range	22.2 26.4 V
product function output voltage adjustable	Yes

Colpa Volge Seturg         Yes           Const Volge Seturg         Yes           Status display         Green LESS           On of Seturg deay, max.         0.5 is           Voltage rise, typ.         100 ms           Read current values loat rated         1.3 A           Current range         0 1.3 A           • Noto         1.3 A           Current range         1 70 °C: Derating 2%K           supplied active power typical         31.2 W           Panele switching for enhanced performance         Yes           Efficiency         Efficiency           Efficiency         SW           Dynamic load source provide performance         SW           Dynamic radis compensation (Vin trated 15 %), max.         SW           Dynamic radis compensation (Vin trated 15 %), max.         2.%           Output downohing (out: Trated 15 %), max.         1.%           Load step setting time 0 to 50%, typ.         1 ms           Protection and function (D         SW           Protection and function (D         Setting protection           Course of the output short circuit proof         Yes           Short court protection         Yes           Protection deps         Constant current characteristic           entra		via potentiameter
On-Off behavior         No overshoot of Vout (soft start)           Object         0.5 startp delay, max.         0.5 startp delay, max.           Voltage rise, typ.         100 ms           Rated current value lout rated         1.3 A           Ourrent range         01.3 A           • Note         + 70 "C: Derating 2%/K           supplied active power typical         31.2 W           Parallel switching for enhanced performance         Yes           Unimers of parallel switching for enhanced performance         Yes           Prever toss at Vour rated, tout rated, approx.         6 %           Opmarine mains compensation (Vin rated ±15 %), max.         0.2 %           Opmarine mains compensation (Vin rated ±15 %), max.         0.2 %           Opmarine ional somothing (out: 1090/10 %), tout 1 yp.         1 %           Load step setting time 90 to 10%, typ.         1 ms           Load step setting time 90 to 10%, typ.         1 ms           Current limitation, ng.         1.7 A           Overcourset to extra to extra the switching on 100 90% (Vin trated 115 %), four rated typ. 200 ms           Overcourset to extra to extra the switching on 100 90% (Vin trated 115 %), four rated typ. 200 ms           Outgot overcollage protection         Yes, according to EN 60950-1           Current limitation, ng.         1.5 A	Output voltage setting	via potentiometer
Startu pelay, max.         0.5 s           Voltage rise, typ.         100 ms           Rade current value lout rated         1.3 A           Current range         01.3 A                • Note         4.55470 °C: Derating 2%/K                supplied active power typical         31.2 W                Parallel switchable units for enhanced performance         Yes                Parallel switchable units for enhanced performance         2                Fiftiaency         5 W                Power loss (W) during no-load operation maximum         0.3 W                Oscidadoc pocintral         0.4 %                Pymain: load stop setting times 0 to 100%, typ.         1 %                Load step setting times 0 to 100%, typ.         1 ms                Problection and monitoring         2.2 %                Output divenroltage protection         Yes, according to EN 60950-1                Coursent Innaison         7 A                Problection and monitoring         1 7 A                protection for protection         Covinat current RMS value                enadamum         1.7 A                voercoartent lowerhoad capability in formatogeration                Overic		
Voltage rise, fp.         100 ms           Rated current value lout rated         1.3 A           • Note         + 50 + 70 °C. Derating 2%/K           • supplied active pover typical         3.1.2 M           • Note         + 50 + 70 °C. Derating 2%/K           • Parallel switching for enhanced performance         Yes           • Numbers of parallel switching for enhanced approx.         86 %           • Power toss at Vout rated, four rated, approx.         86 %           • Power toss at Vout rated, four rated, approx.         86 %           • Dynanic mains compensation (Vin rated ±15 %), max.         0.2 %           • Option innoining         0.3 W           Closed-toop control         91%           Option innoining         0.2 %           Option innoining         0.2 %           Option innoining         0.2 %           Output overologe protection         Yes. according to EN 60950-1           Current limitation, typ.         1.7 A           overcurrent overologe protection         Yes.           • maximum         1.7 A           overcurrent overolog apphibity in normal operation         constant current characteristic           • orbit object of output current         50 mV = 1.3 A           overcurrent overolog capability in normal operatiton <td< td=""><td></td><td></td></td<>		
Base Current value lout rated       1.3 A         Current range       013 A         • Note       913 A         • Note       913 A         • Statuppide active power typical       31.2 W         Parallel switchable units for enhanced       2         Parallel switchable units for enhanced       2         Efficiency       5		
Current range         01.3.A           • Note         455+70 °C: Derating 2%/K           supplied active power typical         31.2 W           Parallel switching for enhanced performance         Yes           Unthors of parallel switching for enhanced         2           Efficiency         5           Efficiency         86 %           Power loss IV Juring no-load performance         5 W           Dynamic miss compensation (Vin rated ±15 %), max.         0.2 %.           Dynamic load smoothing (lout: 1090/10 %), Uout ± typ.         1 %           Load stap setting time 0 to 10%, typ.         1 ms           Protection and monitoring         70.4 %.           Output overvollage protection         Yes. according to EN 60960-1           Current limitation, typ.         1 7 A           protection and monitoring         70.4 Yes           Overload/9hort-circuit proof         Yes           Short-circuit protection         Constant current RMS value           • maakinm         1.7 A           overcoadlyhort-circuit protection         So mV =* 1.3 A           overcoadlyhort-circuit noticate         50 mV =* 1.3 A           overcoadlyhort-circuit noticate         50 mV =* 1.3 A           overcoadlyhort-circuit noticate         50 mV =* 1.3 A <t< td=""><td></td><td></td></t<>		
• Note         +55 +70 °C. Derating 2%/K           supplied active power typical         31.2 W           Parallel switchable units for enhanced performance         Yes           Numbers of parallel switchable units for enhanced         2           Efficiency         Efficiency           Efficiency         5 W           Power loss (W) during no-load operation maximum         0.3 W           Optication and monotoring         0.2 %           Optication and monotoring         0.2 %           Optication and monotoring         0.4 %           Outret to be 00%, bp.         1 ms           Protection and monotoring         1 7 A           Outret to verouge protection         Yes, according to EN 60950-1           Current limitation, typ.         1 7 A           property of the output short-circuit proof         Yes, according to EN 60950-1           Current limitation, typ.         1 7 A           overcurent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Overload/short-circuit findicator         5 M V = 1.3 A           overcurent overload capability when switching on         150% lout rated typ. 200 ms           Overload/short-circuit micitator         5 M V = 1.3 A           overcurent overload capability when switching on         150% lou		
supplied active power typical         31.2 W           Parallel switching for enhanced performance         Yes           Numbers of parallel switching for enhanced performance         2           Efficiency         86 %           Power loss 4 Vour tatel, out rated, approx.         5 W           power loss (W) during no-load operation maximum         0.3 W           Closed-loop control         9/Yamic mains compensation (Vin rated ±15 %), max.         0.2 %           Dynamic load smoothing (tot: 1090/10 %), Uput ± typ.         1 %         1.2 M           Load step setting time 90 to 10%, typ.         1 ms         1           Load step setting time 90 to 10%, typ.         1 ms         1.7 A           Property of the output short-focult proof         Yes         Short-circuit protection           Output overvoltage protection         Yes         2.0 ms           Short-circuit protection         Yes         2.0 ms           Overcoursent overfoad capability in normal operation         overside dapability 150% lout rated typ. 200 ms           Overdoad short-focult indicator         -         -           - masking point for output current         Safety extra-dwo output voltage Uout acc. to EN 60950-1 and EN 50178           Pritection dass         Class II (without protective conductor)           Portection dass         Classit (wit	0	
Parallel switching for enhanced performance     Yes       Numbers of parallel switching for enhanced performance     2       Efficiency     86 %       Efficiency     86 %       Power loss IV Jour rated, Jour rated, approx.     86 %       Dynamic mains compensation (Vin rated ±15 %), max.     0.3 W       Olicoad-loop control     0.3 W       Dynamic mains compensation (Vin rated ±15 %), max.     0.2 %       Dynamic mains compensation (Vin rated ±15 %), max.     0.2 %       Dynamic mains compensation (Vin rated ±15 %), max.     0.2 %       Course limitation monitoring     17 Å       Output overvoltage protection     Yes, according to EN 60950-1       Current limitation, typ.     17 Å       property of the output short-circuit protection     Constant current characteristic       enduring short-circuit indicator     -0       overcurrent overload capability in normal operation     overload capability 150% lout rated typ. 200 ms       Overload/short-circuit indicator     50 mV =^h 1.3 A       overcurent overload capability when switching on     Yes       galvanic isolation     Safety verta-low output voltage loud acc. to EN 60950-1 and EN 50178       Pritterioted capability when switching on     Yes       galvanic isolation     Safety extra-low output voltage loud acc. to EN 60950-1 and EN 50178       Protection datas     Class II (without protective con		
Numbers of parallel switchable units for enhanced performance         2           Efficiency         Efficiency           Efficiency at Vour tated, lour tated, approx.         5 W           Power loss at Vour tated, lour tated, approx.         5 W           Dynamic mains compensation (Vin rated ±15 %), max.         0.2 %           Dynamic load smoothing (lour. '10/00/10 %), Uout ± typ.         1 %           Load step setting time 10 to 80%, typ.         1 ms           Load step setting time 10 to 80%, typ.         1 ms           Load step setting time 10 to 80%, typ.         1 ms           Protection and monitoring         0.2 %           Output overollage protection         Yes. according to EN 80950-1           Current limitation, typ.         17 A           property of the output short-circuit proof         Yes           Short-circuit protection         constant current characteristic           enduring short circuit current RMS value         17 A           • maximum         overcurrent overload capability 150% lout rated typ. 200 ms           Overloadshort-focult indicator         -           • maximum         150% lout rated typ. 200 ms           Stefsy         Yes           Primarysecondary isolation         Stefsy wat-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection c		
performance         Efficiency         Efficiency         Efficiency         Dower loss W Quirt neted, lout rated, approx.         Source Vois W Quirting no-load operation maximum         Opmaric mains compensation (Vin rated ±15 %), max.         Dynamic Mains compensation (Vin rated ±15 %), max.         Dudy to vervolage protection         Current (Initiation, typ.         1.7 A         property of the output short-circuit proof         Yes         Short circuit protection         Constant current characteristic         enduring short dircuit current RMS value         • maximum       1.7 A         overcurent overload capability in normal operation         overcurent overload capability in normal operation         overcurent overload capability when switching on         150% Nout rated typ. 200 ms         Safety         Primarylescondary isolation         Safety extra-low output voltage Uout acc: to EN 60950-1 and EN 50178         Degree of pr		
Efficiency         B6%           Power loss at Vout rated, approx.         5 W           power loss at Vout rated, lour rated, approx.         5 W           power loss MV during no-load operation maximum         0.3 W           Closed-loop control         0.2 %           Dynamic load smoothing (lout 10/90/10%), Uout ± typ.         1 %           Load step setting time 10 to 90%, typ.         1 ms           Load step setting time 90 to 10%, typ.         1 ms           Protection and monitoring         0.2 %           Output cevorolage protection         Yes, according to EN 60950-1           Current limitation, typ.         1.7 A           property of the output short-circuit proof         Yes           Fort-circuit protection         Constant current characteristic           endumm         1.7 A           overcurrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Overcurent overload capability when switching on         150% lout rated typ. 200 ms           Safety         Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Privacylocondary isolation         Yes           Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree	•	2
Efficiency at Vour rated, lour rated, approx.     86 %       Power loss W Jour rated, lour rated, approx.     5 W       Dynamic los at Vour rated, lour rated, approx.     5 W       Dynamic mains compensation (Vin rated ±15 %), max.     0.2 %       Dynamic load smoothing (lout: 10%0/10 %), Joud ± typ.     1 %       Load step setting time 10 to 10%, typ.     1 ms       Protection and monitoring     17 A       Output overvotage protection     Yes, according to EN 60950-1       Current limitation, typ.     1.7 A       property of the output short-circuit proof     Yes       Short-circuit protection     Constant current characteristic       enduring short circuit proof     Yes       Short-circuit protection     - 7 A       overcurrent overload capability in normal operation     - 0 weread dapability 150% lout rated typ. 200 ms       Overcuds/short-circuit indicator     - 0 massuing point for output current       50 mV =^ 1.3 A     0 overcurrent overload capability when switching on       Safety     Yes       galvanic isolation     Yes       galvanic isolation     Safety variation output voltage Uout acc. to EN 60950-1 and EN 50178       Class II (without protective conductor)     Degree of protection (EN 60529)       Protection class     Class II (without protective conductor)       Degree of protection (EN 60529)     IP20       S		
Power loss at Vout reted, lout reted, approx.       6 W         power loss (W) during no-load operation maximum       0.3 W         Optimatic mains compensation (Vin reted ±15 %), max.       0.2 %         Dynamic load smoothing (lout: 10/90/10 %), Uout ± typ.       1 %         Load step setting time 10 to 90% (lyp.       1 ms         Protection and monitoring       Output overvoltage protection         Yes, according to EN 60950-1       Current limitation, typ.         Dynamic add sep setting time 30 to 10%, typ.       1.7 A         Protection       Yes, according to EN 60950-1         Current limitation, typ.       1.7 A         Property of the output short-circuit proof       Yes         Short-circuit protection       Constant current characteristic         endaximum       1.7 A         overload spability 150% lout rated typ. 200 ms         Overload/short-circuit indicator       -         Primarylsecondary isolation       Yes         Safety       90 mV =^ 1.3 A         Overcoard/short-forcuit current       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Primarylsecondary isolation       Yes         galvanic isolation       Yes         EMC       EN 55022 Class B         Emitted interference       EN 55022 Class B		86 %
power loss [W] during no-load operation maximum         0.3 W           Closed-loop control         Vestige           Dynamic mains compensation (Vin rated ±15 %), max.         0.2 %           Dynamic load smoothing (lout: 10/00/10 %), Uout ± typ.         1 %           Load step setting time 10 to 90%, typ.         1 ms           Protection and monitoring         1 %           Output overvoltage protection         Yes, according to EN 60950-1           Current timitation, typ.         1.7 A           property of the output short-circuit proof         Yes           Short-circuit protection         Constant current characteristic           enduring short circuit undicator         -           overcurrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Overload/short-circuit indicator         -           measuring point for output current         50 mV =^ 1.3 A           overcurrent overload capability when switching on         1920           Primary/secondary isolation         Safety ext-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree of protection (EN 80529)         IP20           Protection class         Class II (without protective conductor)           Degree - installation attrute	· · · · · · · · · · · · · · · ·	
Closed-loop control       Dynamic mains compensation (Vin rated ±15 %), max.       0.2 %         Dynamic ioad smoothing (Uout 1099/10 %), Uout ± typ.       1 %         Load step setting time 90 to 10%, typ.       1 ms         Protection and monitoring       Output devirolage protection         Output devirolage protection       Yes, according to EN 60950-1         Current limitation, typ.       1.7 A         property of the output short-circuit proof       Yes         Short-circuit protection       Constant current characteristic         enduring short circuit current RMS value       0.2 %         massuring point for output current       50 mV =^ 1.3 A         overcurrent overload capability in normal operation       overload capability 150% lout rated typ. 200 ms         Safety       -         Primary/secondary isolation       Yes         galvanic isolation       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       Yes         EMC       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 550022 Class B         supply harmonics linitation       r40 : Startup @ -25		
Dynamic mains compensation (Vin rated ±15 %), max.       0.2 %         Dynamic lead smoothing (lout: 10/80/10 %), Uout ± typ.       1 %         Load step setting time 10 0 90%, typ.       1 ms         Protection and monitoring       1 ms         Output covervoltage protection       Yes, according to EN 60950-1         Current limitation, typ.       1.7 A         property of the output short-circuit proof       Yes         Short-circuit protection       Constant current characteristic         enduring short circuit current RMS value       -         • maximum       0.2 %         • overcurrent overload capability in normal operation       overload capability 150% lout rated typ. 200 ms         Overcurrent overload capability when switching on       150% lout rated typ. 200 ms         Safety       -         Primary/secondary isolation       Yes         galvanic isolation       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       -         Supplicable       -         Noise immunity       EN 50222 Class B         Supplicable       -         Moveroument in horizontal mounting position       -40, ::H		0.0 W
Dynamic load smoothing (lout: 1090/10 %), Uout ± typ.       1 %         Load step setting time 10 to 90%, typ.       1 ms         Deat step setting time 10 to 10%, typ.       1 ms         Protection and monitoring       17.A         Output overvoltage protection       Yes, according to EN 60950-1         Current limitation, typ.       1.7.A         property of the output short-circuit protof       Yes         Short-circuit pretection       Constant current Characteristic         enduring short circuit furcement RMS value       1.7.A         overcoursent circuit indicator       -         measuring point for output current       50 mV =^ 1.3.A         overcoursent circuit indicator       -         Primary/secondary isolation       Yes         Safety       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE         CE mark       Yes         Supply harmonics limitation       -         Noise immunity       EN 61000-6-2         onvironmental conditions       -40 +85         ambient temperature during storage and transport       -40 +85         In case of opera		0.0.%
Load step setting time 10 to 90%, typ.       1 ms         Load step setting time 90 to 10%, typ.       1 ms         Protection and monitoring       Output overvoltage protection         Quiput overvoltage protection       Yes, according to EN 60950-1         Current limitation, typ.       1.7 A         property of the output short-circuit protof       Yes         Short-circuit protection       Constant current characteristic         enduring short circuit current RMS value       1.7 A         overcurrent verofoad capability in normal operation       overload/short-circuit indicator         overcurrent verofoad capability when switching on       150% lout rated typ. 200 ms         Safety       Safety         Primary/secondary isolation       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CC         CC mark       Yes         Emitted interference       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 *C +70; with natural convection         ambient temperature in horizontal mounting position		
Load step setting time 90 to 10%, typ.       1 ms         Protection and monitoring		
Protection and monitoring           Output overvoltage protection         Yes, according to EN 60950-1           Current limitation, typ.         1.7 A           property of the output short-circuit proof         Yes           Short-circuit protection         Constant current characteristic           enduring short circuit current RMS value         •           • maximum         1.7 A           overcourrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Ourload/short-circuit Indicator         -           measuring point for output current         50 mV =^ 1.3 A           overcurrent overload capability when switching on         150% lout rated typ. 200 ms           Slafety         Primary/secondary isolation           galvanic isolation         Yes           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvats         Emitted interference           Ensite interference         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           environmental conditions         -40+85           ambient temperature in horizontal mounting position         -40+85		
Output overvoltage protection         Yes, according to EN 60950-1           Current limitation, typ.         1.7 A           property of the output short-circuit protection         Constant current characteristic           enduring short circuit current RMS value         1.7 A           • maximum         0.7 A           overcurrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Overload/short-circuit indicator         -           measuring point for output current         50m V =^ 1.3 A           overcurrent overload capability when switching on         150% lout rated typ. 200 ms           Safety         -           Primary/secondary isolation         Yes           galvanic isolation         Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         CE           CE mark         Yes           Supply harmonics limitation         not applicable           Noise immunity         -           onvironmental conditions         -40+85           ambient temperature during storage and transport         -40+85           installation altitude at height above sea level maximum		1 ms
Current limitation, typ.       1.7 A         property of the output short-circuit proof       Yes         Short-circuit protection       Constant current characteristic         enduring short circuit current RMS value       1.7 A         overcurrent overload capability in normal operation       Overload/short-circuit indicator         Overload/short-circuit indicator       -         measuring point for output current       50 mV =^ 1.3 A         overcurrent overload capability when switching on       150% lout rated typ. 200 ms         Safety       -         Primary/secondary isolation       Yes         galvanic isolation       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       -         CE mark       Yes         EMC       -         Emitted interference       EN 55022 Class B         Supply harmonics limitation       not applicable         Noironmental conditions       -         ambient temperature uning storage and transport       -40 +85         installation attitude at height above sea level maximum       6 000 m         ambient temperature uning torampet and transport       -40		
property of the output short-circuit proof         Yes           Short-circuit protection         Constant current characteristic           enduring short circuit current RMS value         1.7 A           overcurrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Orefoad/short-circuit indicator         -           measuring point for output current         50 mV =^ 1.3 A           overcurrent overload capability when switching on         56 mV =^ 1.3 A           Short-circuit indicator         -           Primary/secondary isolation         Yes           galvanic isolation         Safety           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         CE mark           EMC         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           onvironmental conditions         -40, : +85           installation altitude at height above sea level maximum         6 000 m           ambient temperature during storage and transport         -40, : +85           installation altitude at height above sea level maximum         10 ace of operation at altitudes of 2000 - 6000 m above sea level: Outprowature for storage of		
Short-circuit protection         Constant current characteristic           enduring short circuit current RMS value         1.7 A           overcurrent overload capability in normal operation         overload/short-circuit indicator           Overcourrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Overcourrent overload capability when switching on         150% lout rated typ. 200 ms           Safety         Primary/secondary isolation           Pritection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         CE mark           EMC         Emitted interference           Environmental conditions         rot applicable           moving operation         refs           ambient temperature in horizontal mounting position         40 +85           installation altitude at height above sea level maximum         6000 m           ambient temperature during storage and transport         40 +85           installation altitude at height above sea level maximum         In case of operation at altitudes of 2000 - 6000 m above sea level:           Outprover outprover condition relating to ambient temperature - air pressure - installation altitude         100 +85           installation altitude         fouonereation frost (no commissioning if condensation is		
enduring short circuit current RMS value       1.7 A         overtoad capability in normal operation       overtoad capability 150% lout rated typ. 200 ms         Overtoad/short-circuit indicator       -         measuring point for output current       50 mV =^ 1.3 A         overcourrent overload capability when switching on       150% lout rated typ. 200 ms         Safety       Primary/secondary isolation         galvanic isolation       Yes         galvanic isolation       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE mark         CE mark       Yes         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position       -40; Startup @ -25 °C +70; with natural convection         armbient condition elating to ambient temperature - air       Fressure - installation allitude at height above sea level maximum         relative humidity with condensation acc. to IEC 60068-2-       1000 m         relative humidity with condensation acc. to IEC 60068-2-       1000 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         relative humidity with condensation acc.		
• maximum       1.7 A         overcurrent overload capability in normal operation       overload capability 150% lout rated typ. 200 ms         Overload/short-circuit indicator       -         measuring point for output current       50 mV =^ 1.3 A         overcurrent overload capability when switching on       150% lout rated typ. 200 ms         Safety       -         Primary/secondary isolation       Yes         galvanic isolation       Yes         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE         CE mark       Yes         EMC       -         Emitted interference       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         onvironmental conditions       -40.: \$455         ambient temperature in horizontal mounting position       -40.: +85         installation altitude a theight above sea level maximum       6 000 m         ambient temperature during storage and transport       -40 +85         researce - installation altitude       Ferseure - air         pressure - installation altitude       To 3%/1000 m or reduction of the ambient temperature + air <t< td=""><td></td><td>Constant current characteristic</td></t<>		Constant current characteristic
overcurrent overload capability in normal operation         overload capability 150% lout rated typ. 200 ms           Overload/short-circuit indicator         -           measuring point for output current         50 mV =^ 1.3 A           overcurrent overload capability when switching on         150% lout rated typ. 200 ms           Safety         -           Primary/secondary isolation         Yes           galvanic isolation         Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         -           CE mark         Yes           Emitted interference         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           environmental conditions         -40; Startup @ -25 °C +70; with natural convection           ambient temperature during storage and transport         -40 +85           installation altitude at height above sea level maximum         6 000 m           ambient condition relating to ambient temperature - air         In case of operation at altitudes of 2000 - 6000 m above sea level:           Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         Fresenth, h	enduring short circuit current RMS value	
Overload/short-circuit indicator       -         measuring point for output current       50 mV =^ 1.3 A         overcurrent overload capability when switching on       150% lout rated typ. 200 ms         Safety       Primary/secondary isolation         Primary/secondary isolation       Yes         galvanic isolation       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE mark         EMC       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating 07 -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m or reduction of the ambient temperature by 5 K/1000 m or reduction of the ambient temperature by 5 K/1000 m or reduction of the ambient temperature by 5 K/1000 m or reduction of the ambient temperature by 5 K/1000 m or reduction of the ambient temperature by 5 K/1000 m or reduction of		
measuring point for output current       50 mV =^ 1.3 A         overcurrent overload capability when switching on       150% lout rated typ. 200 ms         Safety       Primary/secondary isolation       Yes         galvanic isolation       Yes       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE mark       Yes         EMC       EMC         Emitted interference       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position       -40; Startup @ -25 °C +70; with natural convection         during operation       -40, +85         installation altitude at height above sea level maximum       6 000 m         ambient temperature during storage and transport       -40, +85         installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level:         Output power derating of -7.5 %/1000 m or reduction of the ambient temperature - air       In case of operation at altitudes of 2000 - 6000 m above sea level:         Output power derating of or.5 %/1000 m       reduction of the ambient temperature by 5 K/1000         relative	overcurrent overload capability in normal operation	overload capability 150% lout rated typ. 200 ms
overcurrent overload capability when switching on         150% lout rated typ. 200 ms           Safety         Primary/secondary isolation         Yes           galvanic isolation         Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         CE mark         Yes           EMC         Entited interference         EN 55022 Class B           Supply harmonics limitation         not applicable         Noise immunity           Moise immunity         EN 61000-6-2         environmental conditions           ambient temperature in horizontal mounting position during operation         -40; Startup @ -25 °C +70; with natural convection           during operation         ambient temperature during storage and transport         -40 +85           installation altitude at height above sea level maximum         6 000 m         in case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m           relative humidity with condensation acc. to IEC 60068-2- 38 maximum         100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation           resistance to biologically active substances conformity acc.         Yes; Class 3B2 mold, fungal, sponge spores (except fauna); clas	Overload/short-circuit indicator	•
Safety           Primary/secondary isolation         Yes           galvanic isolation         Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         CE mark           EMC         Entitled interference           Emitted interference         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           environmental conditions         -40; Startup @ -25 °C +70; with natural convection           ambient temperature in horizontal mounting position         -40; Startup @ -25 °C +70; with natural convection           during operation         abient temperature during storage and transport         -40 +85           installation altitude at height above sea level maximum         6 000 m         In case of operation at altitudes of 2000 - 6000 m above sea level:           output power derating of -7.5 %/1000 m         reduction of the ambient temperature - air         In case of operation at altitudes of 2000 - 6000 m above sea level:           output power derating of -7.5 %/1000 m         reduction of the ambient temperature by 5 K/1000 m         100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation           relative	measuring point for output current	50 mV =^ 1.3 A
Primary/secondary isolation         Yes           galvanic isolation         Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178           Protection class         Class II (without protective conductor)           Degree of protection (EN 60529)         IP20           Approvals         CE mark           CE mark         Yes           Emitted interference         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           environmental conditions         -40; Startup @ -25 °C +70; with natural convection           ambient temperature in horizontal mounting position         -40; Startup @ -25 °C +70; with natural convection           during operation         -40 +85           installation altitude at height above sea level maximum         6 000 m           ambient condition relating to ambient temperature - air pressure - installation altitude         In case of operation at altitudes of 2000 - 6000 m above sea level:           Output power derating of -7.5 %/1000 m         relative humidity with condensation acc. to IEC 60068-2-3           38 maximum         resistance to commercially available cooling           lubricants         Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request           resistance to chemically active substances conformity acc.         Yes; Class	overcurrent overload capability when switching on	150% lout rated typ. 200 ms
galvanic isolation       Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178         Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE mark         EMC       EMC         Emitted interference       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient condition relating to ambient temperature - air pressure - installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       Yes; incl. diesel and oil droplets in the air         chemical resistance to biologically active substances conformity acc.       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemicall active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	Safety	
Protection class       Class II (without protective conductor)         Degree of protection (EN 60529)       IP20         Approvals       CE mark         CE mark       Yes         EMC       Emitted interference         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         onvironmental conditions       -40; Startup @ -25 °C +70; with natural convection         during operation       -40 +85         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	Primary/secondary isolation	Yes
Degree of protection (EN 60529)       IP20         Approvals       CE mark         CE mark       Yes         EMC       Emitted interference         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
Approvals         CE mark       Yes         EMC       Emitted interference         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	Protection class	Class II (without protective conductor)
CE mark       Yes         EMC       Emitted interference       EN 55022 Class B         Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         Yes; class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2- 52	Degree of protection (EN 60529)	IP20
EMC           Emitted interference         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           environmental conditions         -40; Startup @ -25 °C +70; with natural convection           ambient temperature in horizontal mounting position during operation         -40; Startup @ -25 °C +70; with natural convection           ambient temperature during storage and transport         -40 +85           installation altitude at height above sea level maximum         6 000 m           ambient condition relating to ambient temperature - air pressure - installation altitude         In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m           relative humidity with condensation acc. to IEC 60068-2- 38 maximum         100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation           chemical resistance to commercially available cooling lubricants         Yes; class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request           resistance to chemically active substances conformity acc. to EN 60721-3-3         Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	Approvals	
Emitted interference         EN 55022 Class B           Supply harmonics limitation         not applicable           Noise immunity         EN 61000-6-2           environmental conditions         -40; Startup @ -25 °C +70; with natural convection           ambient temperature in horizontal mounting position during operation         -40; Startup @ -25 °C +70; with natural convection           ambient temperature during storage and transport         -40 +85           installation altitude at height above sea level maximum         6 000 m           ambient condition relating to ambient temperature - air pressure - installation altitude         In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m           relative humidity with condensation acc. to IEC 60068-2- 38 maximum         100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation           chemical resistance to commercially available cooling lubricants         Yes; class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request           resistance to chemically active substances conformity acc. to EN 60721-3-3         Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	CE mark	Yes
Supply harmonics limitation       not applicable         Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	EMC	
Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	Emitted interference	EN 55022 Class B
Noise immunity       EN 61000-6-2         environmental conditions       -40; Startup @ -25 °C +70; with natural convection         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	Supply harmonics limitation	not applicable
environmental conditions         ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc. to EN 60721-3-3       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		•••
ambient temperature in horizontal mounting position during operation       -40; Startup @ -25 °C +70; with natural convection         ambient temperature during storage and transport       -40 +85         installation altitude at height above sea level maximum       6 000 m         ambient condition relating to ambient temperature - air pressure - installation altitude       In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2- 38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		
during operation-40ambient temperature during storage and transport-40installation altitude at height above sea level maximum6 000 mambient condition relating to ambient temperature - air pressure - installation altitudeIn case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 mrelative humidity with condensation acc. to IEC 60068-2- 38 maximum100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installationchemical resistance to commercially available cooling lubricantsYes; incl. diesel and oil droplets in the airresistance to biologically active substances conformity acc. to EN 60721-3-3Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon requestresistance to chemically active substances conformity acc.Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		-40: Startup @ -25 °C +70: with natural convection
ambient temperature during storage and transport-40 +85installation altitude at height above sea level maximum6 000 mambient condition relating to ambient temperature - air pressure - installation altitudeIn case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 mrelative humidity with condensation acc. to IEC 60068-2- 38 maximum100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installationchemical resistance to commercially available cooling lubricantsYes; incl. diesel and oil droplets in the airresistance to biologically active substances conformity acc. to EN 60721-3-3Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon requestresistance to chemically active substances conformity acc.Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		
installation altitude at height above sea level maximum6 000 mambient condition relating to ambient temperature - air pressure - installation altitudeIn case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 mrelative humidity with condensation acc. to IEC 60068-2- 38 maximum100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installationchemical resistance to commercially available cooling lubricantsYes; incl. diesel and oil droplets in the airresistance to biologically active substances conformity acc. to EN 60721-3-3Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon requestresistance to chemically active substances conformity acc.Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		-40 +85
pressure - installation altitude       Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2-38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		6 000 m
pressure - installation altitude       Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m         relative humidity with condensation acc. to IEC 60068-2-38 maximum       100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	ambient condition relating to ambient temperature - air	In case of operation at altitudes of 2000 - 6000 m above sea level:
38 maximum       present), horizontal installation         chemical resistance to commercially available cooling lubricants       Yes; incl. diesel and oil droplets in the air         resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		
lubricants       resistance to biologically active substances conformity acc. to EN 60721-3-3       Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request         resistance to chemically active substances conformity acc.       Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52		
acc. to EN 60721-3-3upon requestresistance to chemically active substances conformity acc.Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52	lubricants	
	acc. to EN 60721-3-3	upon request

resistance to mechanically active substances conformity acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
resistance to biologically active substances conformity acc. to EN 60721-3-6	Yes; Class 6B2 mold, fungal, sponge spores (except fauna)
resistance to chemically active substances conformity acc. to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances conformity acc. to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
coating for equipped printed circuit board acc. to EN 61086	Yes; Class 2 for high availability
type of coating protection against pollution according to EN 60664-3	Yes; Type 1 protection
type of test of the coating acc. to MIL-I-46058C	Yes; Discoloration of the coating during service life possible
product conformity of the coating Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes; Conformal Coating, Class A
Mechanics	
Connection technology	screw-type terminals
Connections	
Supply input	L, N: 1 screw terminal each for 0.5 2.5 mm2 single-core/finely stranded
Output	+, -: 2 screw terminals each for 0.5 2.5 mm <sup>2</sup>
Auxiliary	
width of the enclosure	36 mm
height of the enclosure	90 mm
depth of the enclosure	53 mm
required spacing	
• top	20 mm
bottom	20 mm
● left	0 mm
● right	0 mm
Weight, approx.	0.12 kg
product feature of the enclosure housing can be lined up	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions
MTBF at 40 °C	3 094 996 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

Ø