## **SIEMENS**

Data sheet 6EP1437-2BA20



## SITOP PSU300S/3AC/24VDC/40A

SITOP PSU300S 40 A stabilized power supply input: 400-500 V 3 AC output: 24 V DC/40 A \*Ex approval no longer available\*

| Input  |   |
|--|---|
| type of the power supply network   | 3-phase AC  |
| supply voltage at AC   |   |
| <ul> <li>minimum rated value</li> </ul>  | 400 V   |
| maximum rated value  | 500 V   |
| • initial value  | 340 V   |
| • full-scale value   | 550 V   |
| design of input wide range input   | Yes   |
| operating condition of the mains buffering   | at Vin = 400 V  |
| buffering time for rated value of the output current in the event of power failure minimum | 6 ms  |
| operating condition of the mains buffering   | at Vin = 400 V  |
| line frequency   |   |
| 1 rated value  | 50 Hz   |
| • 2 rated value  | 60 Hz   |
| line frequency   | 47 63 Hz  |
| input current  |   |
| <ul> <li>at rated input voltage 400 V</li> </ul>   | 2 A   |
| <ul> <li>at rated input voltage 500 V</li> </ul>   | 1.7 A   |
| current limitation of inrush current at 25 °C maximum                                      | 60 A  |
| I2t value maximum  | 3.4 A <sup>2</sup> ·s   |
| fuse protection type   | none  |
| • in the feeder  | Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489-listed, DIVQ) |
| Output   |   |
| voltage curve at output  | Controlled, isolated DC voltage   |
| output voltage at DC rated value   | 24 V  |
| output voltage   |   |
| • at output 1 at DC rated value  | 24 V  |
| relative overall tolerance of the voltage  | 3 %   |
| relative control precision of the output voltage   |   |
| <ul> <li>on slow fluctuation of input voltage</li> </ul>                                   | 1 %   |
| on slow fluctuation of ohm loading   | 2 %   |
| residual ripple  |   |
| • maximum  | 150 mV  |
| voltage peak   |   |
| • maximum  | 240 mV  |
| adjustable output voltage  | 24 28 V   |
| product function output voltage adjustable   | Yes   |

| type of output voltage setting   | via potentiometer; max. 960 W   |
|--|---|
| display version for normal operation   | Green LED for 24 V OK   |
| type of signal at output   | Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"   |
| behavior of the output voltage when switching on   | No overshoot of Vout (soft start)   |
| response delay maximum   | 1.5 s   |
| voltage increase time of the output voltage  | 1.00  |
| typical  | 15 ms   |
| • maximum  | 500 ms  |
|  | 500 HIS   |
| output current   | 40 A  |
| • rated value  |   |
| rated range  | 0 40 A; 48 A up to +45°C; +60 +70 °C: Derating 3%/K   |
| supplied active power typical  | 960 W   |
| short-term overload current  |   |
| on short-circuiting during the start-up typical  | 65 A  |
| at short-circuit during operation typical  | 65 A  |
| duration of overloading capability for excess current  |   |
| <ul> <li>on short-circuiting during the start-up</li> </ul>  | 100 ms  |
| at short-circuit during operation  | 100 ms  |
| product feature  |   |
| bridging of equipment  | Yes   |
| number of parallel-switched equipment resources for  | 2   |
| increasing the power   |   |
| Efficiency   |   |
| efficiency in percent  | 91.5 %  |
| power loss [W]   |   |
| <ul> <li>at rated output voltage for rated value of the output</li> </ul>  | 89 W  |
| current typical  |   |
| Closed-loop control  |   |
| relative control precision of the output voltage with rapid  | 3 %   |
| fluctuation of the input voltage by +/- 15% typical  | 4.50  |
| relative control precision of the output voltage load step of resistive load 50/100/50 % typical   | 1.5 %   |
| setting time   |   |
| • load step 50 to 100% typical   | 1 ms  |
| . 21   |   |
| load step 100 to 50% typical  Taleting control programs of the customic values of the | 1 ms  |
| relative control precision of the output voltage at load step of resistive load 10/90/10 % typical   | 3 %   |
| setting time   |   |
| load step 10 to 90% typical  | 1 ms  |
| • load step 90 to 10% typical  | 1 ms  |
| maximum  | 10 ms   |
|  | 10 1110   |
| Protection and monitoring  |   |
| design of the overvoltage protection   | protection against overvoltage in case of internal fault Vout < 35 V                                      |
| response value current limitation typical  | 50 A  |
| property of the output short-circuit proof   | Yes   |
| design of short-circuit protection   | Electronic shutdown, automatic restart  |
| enduring short circuit current RMS value   |   |
| maximum  | 14 A  |
| overcurrent overload capability in normal operation  | overload capability 150 % lout rated up to 5 s/min  |
| Safety   |   |
| galvanic isolation between input and output  | Yes   |
| galvanic isolation   | Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178, transformer acc. to EN 61558-2-16   |
| operating resource protection class  | Class I   |
| protection class IP  | IP20  |
| Approvals  |   |
| certificate of suitability   |   |
| CE marking   | Yes   |
| UL approval  | Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) |
| CSA approval   | Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259;  |
|  | ,   |

| e CCSAus, Class 1, Division 2  ATEX  certificate of suitability  • IECEX  • No  • NEC Class 2  • ULhaztoc approval  • FM registration  type of certification CP-certificate  certificate of suitability  • EAC approval  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • DIV GL.  • Li Loyst Register of Shipping (LRS)  • No  • Nippon Kaji Kyokai (NK)  • No  • Outrid dineference  • for mains harmonics limitation  • for interference immunity  • or interference immunity  • outring operation  • during transport  • during storage  • environmental category according to IEC 60721    Mochanics    Ves  • Class Section of the contection  • at input  • at input  • at output  • at output  • of or auxiliary contacts  width of the enclosure  height of the enclosure  height of the enclosure  • depth of the enclosure  height of the enclosure  height of the enclosure  • lotton  • left  • Jop  • Dobtton  • Joh  • Dobtton  • Joh  • Dobtton  • Joh  • Left  • Joh  • Sapas onto DIN rail EN 60715 35x15  Redundancy module, buffer module, Bettvity module, DC UPS  mechanical accessories  — Mechanical accessories  — Device identification label 20 mm × 7 mm, pale turquoise 3RT1800-  **Time Touron Time Touron Viron Time Touron Viron Poundate Saparing module, buffer module, selectivity module, DC UPS  Mochanical accessories  — Mechanical accessories  — Device identification label 20 mm × 7 mm, pale turquoise 3RT1800-  **Time Touron Viron Poundate Sarting module, buffer module, selectivity module, DC UPS  Mochanical accessories  — Device identification label 20 mm × 7 mm, pale turquoise 3RT1800-  **Time Touron Viron Poundate Sarting module, buffer module, selectivity module, DC UPS  **Time Touron Viron Poundate Sarti  |   |   |
|---|---|---|
| e ATEX certificate of suitability   |   | cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)                                |
| certificate of suitability  • IECEX  • NEC Class 2  • ULhazloc approval  • FM registration  type of certification CB-certificate  certificate of suitability  • EAC approval  • ABS, DNV GL  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • DNV GL  • Libquis Register of Shipping (LRS)  • No  • Nippon Kaiji Kyokai (NK)  EMC  EMC  EMC  • To remitted interference  • for mains harmonics limitation  • for interference immunity  • To entited interference  • for interference immunity  • The forence immunity  • EN 55022 Class B  EN 56022 Class B  EN 61000-3-2  EN 61000-3-2  EN 61000-3-2  • To ci, with natural convection  • during operation  • during storage  • an uniformatic category according to IEC 60721  Climate class SK3, 5 95% no condensation  Michanics  type of electrical connection  • at Input  • at output  • for auxiliary contacts  type of electrical connection  • at uniquity  • at output  • for auxiliary contacts  type of the enclosure  • depth of the enclosure  • depth of the enclosure  • for the enclosure  • top  • bottom  • leift  • ingit  • orm  • orm  at uniquity  fastering method  • leift  • ingit  • orm  fastering method  • leictrical accessories  — Redundancy module, buffer module, selectivity module, DC UPS  MTBF at 40 °C  MTBF at 40 °C   |   |   |
| LECEX   |   | No  |
| NEC Class 2  Uthazloc approval  Very Certificate of Suitability  EAC approval  ABS, DNV GL  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  DNV GL  EVes  French marine classification society (BV)  DNV GL  Liboyds Register of Shipping (LRS)  No  No  No  ENC  Standard  For emitted interference  For mains harmonics limitation  For interference immunity  For interference   |   |   |
| ULhazloc approval   |   | No  |
| yes of certification CB-certificate   | NEC Class 2   | No  |
| type of certification CB-certificate certificate of suriability   | ULhazloc approval   | No  |
| certificate of suitability  EAC approval  certificate of suitability shipbuilding approval  shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  DNV GL  Lloyds Register of Shipping (LRS)  No  No  No  No  Shippon Kaiji Kyokai (NK)  EMC  standard  for emitted interference  for mains harmonics limitation  for interference immunity  Cenvironmental conditions  ambient temperature  during operation  during storage  environmental category according to IEC 60721  Mochanics  Type of electrical connection  at input  stranded  for auxiliary contacts  width of the enclosure  depth of the enclosure  height of the enclosure housing can be lined up  fastening method  lectrical accessories  MDFB at 40 °C  MDF at 40 °C  MBS DNV GL  ABS, DNV GL  | FM registration   | No  |
| ectrificate of suitability shipbuilding approval certificate of suitability shipbuilding approval ABS, DNV GL  Marine classification association American Bureau of Shipping Europe Ltd. (ABS) Fernich marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) No Nppon Kaiji Kyokai (NK)  EMC  standard for emitted interference for mains harmonics limitation for interference immunity Fin 61000-3-2 En 61000-3-2 En 61000-3-2 En 61000-3-2 En 61000-6-2  convironmental conditions  ambient temperature during operation during storage environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation  Mechanics  type of electrical connection at input stranded at output for auxillary contacts width of the enclosure height of the enclosure height of the enclosure height of the enclosure height of the enclosure for the enclosure housing can be lined up fastening method lectical accessories  MTBF at 40 °C  MTSF at  |   | Yes   |
| certificate of suitability shipbuilding approval shipbuilding approval ABS, DNV GL American Bureau of Shipping Europe Ltd. (ABS) French marine classification association  American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) No No No No EMC  standard  for emitted interference for mains harmonics limitation for interference immunity EN 5002 Class B EN 61000-3-2 EN 61000-3-2 EN 61000-6-2 EN 61000-6-2 EN 55022 Class B EN 61000-6-2 EN 55022 Class B EN 61000-6-2 E  | certificate of suitability  |   |
| Shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  DNV GL  Ves  No  No  Noproval  No  Noproval  No  Noproval  First Carbon Marine classification society (BV)  No  No  No  Noproval  No  No  No  No  No  EMC  Standard  For emitted interference  For mains harmonics limitation  For interference immunity  First 1000-3-2  EN 61000-3-2  EN 61000-3-2  EN 61000-6-2  Interference immunity  Interference immunity  Auring operation  Auring operation  Auring parasport  Auring storage  For eduring storage  Auring storage  Auring storage  Auring storage  Auring the enclosure  Auting the enclosure  Auring the enclosur  | EAC approval  | Yes   |
| Marine classification association  American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Lloyds Register of Shipping (LRS) No No Nippon Kaiji Kyokai (NK) No  EMC  standard  for emitted interference for mains harmonics limitation for emitted interference for mains harmonics limitation for interference inmunity No interference inm  | certificate of suitability shipbuilding approval                  | Yes   |
| American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) No PNV GL Lloyds Register of Shipping (LRS) No Nippon Kaiji Kyokai (NK)  EMC  standard  for emitted interference for mains harmonics limitation for interference immunity EN 61000-8-2  environmental conditions  ambient temperature during operation during transport during transport during transport during transport st input Strandard  at input  at output for auxiliary contacts width of the enclosure height of the enclosure height of the enclosure for a width of the enclosure fastening method electrical accessories  mechanical accessories  Momentum French French French Momentum French Fre   | shipbuilding approval   | ABS, DNV GL   |
| French marine classification society (BV)  No  NNO  NO  NO  Nippon Kajij Kyokai (NK)  EMC  standard  for emitted interference  for mains harmonics limitation  for interference immunity  environmental conditions  ambient temperature  during operation  during stranger  during transport  during stranger  environmental category according to IEC 60721  Mechanics  type of electrical connection  at input  stranded  to the enclosure  for auxiliary contacts  width of the enclosure  depth of the enclosure  fequived spacing  opp  for put  fastening method  electrical accessories  mechanica to the enclosure housing can be lined up fastening method  electrical accessories  METBF at 40 °C  MITBF at 40 °C  MITBF at 40 °C  MOO  Standard  No  No  Yes  No  No  Yes  No  No  Yes  No  No  No  Yes  A  No  No  No  No  Yes  A  No  No  No  No  EN 55022 Class B  EN 61000-3-2  EN 61000-3-3  EN 61000-3-3  EN 61000-3-3  EN 61000-3-3  EN 61000-3-3  EN 610   | Marine classification association                                 |   |
| DNV GL Lloyds Register of Shipping (LRS) No Nippon Kajji Kyokai (NK)  EMC  standard  • for emitted interference • for mains harmonics limitation • for interference immunity • during operation • during operation • during geration • during storage • during storage • during storage • during storage • at our webs "C • during storage • at input  Screw-type terminals • at input • at output • for auxiliary contacts width of the enclosure height of the enclosure  depth of the enclosure  required spacing • bottom • left • fight • fight • fight • orm  net weight  product feature of the enclosure housing can be lined up fastening method electrical accessories  mechanical accessories  MEDF at 40 "C  Soo 000 h  TEF at 40 "C  Soo 000 h   | <ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul> | Yes   |
| Lloyds Register of Shipping (LRS) No No No No Standard  for emitted interference of or mains harmonics limitation of interference immunity of interference immunity of interference immunity ovironmental conditions ambient temperature oduring operation oduring gransport oduring storage of electrical connection of electrical connection of at input  1, 2, 13, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded of the enclosure required spacing of the enclosure required spacing of the enclosure of the enclosure housing can be lined up fastening method electrical accessories REGundancy MTBF at 40 °C  MTBF at 40 °C  Source Instruction  EN 55022 Class B EN 55022 Class B EN 56000-3-2 EN 55022 Class B EN 550022 Class B EN 550022 Class B EN 51000-3-2 EN 550022 Class B EN 56000-3-2 EN 56000-3-2 EN 61000-3-2 EN 61000-3 EN 61000-3-2 EN 61000-3 EN 61000-3-2 EN 61000-3 EN 61000-3-2 EN 61000-3 E   | <ul> <li>French marine classification society (BV)</li> </ul>     | No  |
| Nippon Kaiji Kyokai (NK)  **Standard***  **Or emitted interference**  **For mains harmonics limitation**  **Or mains harmonics limitation**  **For mains harmonics limitation**  **Or interference immunity**  **Outling condition**  **ambient temperature**  **Outring operation**  **Outring transport**  **Outring storage**  **Outring storage**  **Outring storage**  **Outring storage**  **Outring tonage interference**  **Outring storage interference**  **Outring s   | DNV GL  | Yes   |
| • Nippon Kaiji Kyokai (NK)  Standard  • for emitted interference • for mains harmonics limitation • for interference immunity • during conditions  ambient temperature • during operation • during storage • at input • at input • at input • at output • for auxiliary contacts  width of the enclosure height of the enclosure height of the enclosure  • bottom • left • fight • or mm • required spacing • top • fight • or mm • left • or mm • retweight • responsible for the enclosure housing can be lined up fastening method electrical accessories  Mochanics  **To *C; with natural convection  -25 +70 *C; with natural convection  -25  | <ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>             | No  |
| standard  • for emitted interference • for mains harmonics limitation • for interference immunity • for interference immunity • for interference immunity  EN 61000-3-2 • for interference immunity  EN 61000-6-2  **To "C; with natural convection • during operation • during genation • during storage • during storage • during storage • during storage • at output • at input  **To general connection • at input  • at output • for auxiliary contacts  width of the enclosure height of the enclosure  #*Hoephone Height of the enclosure  • top • bottom • left • omm • required spacing • top • bottom • left • omm • right net weight product feature of the enclosure housing can be lined up fastening method electrical accessories  **MITBF at 40 °C  **EN 5022 Class B EN 5020 Class B EN 50020 Class B EN 50000-3-2 EN 500000 h  **EN 61000-3-2 EN 61000-3 EN 61  |   | No  |
| standard  • for emitted interference • for mains harmonics limitation • for interference immunity • for interference immunity • for interference immunity • for interference immunity  environmental conditions  ambient temperature • during operation • during peration • during storage • at input • at input • at input • at output • at output • for auxiliary contacts  width of the enclosure height of the enclosure feeth of the enclosure  feeth of the enclosure  • at output • for auxiliary contacts  width of the enclosure  feeth of the enclosure  145 mm height of the enclosure  • at output • for auxiliary contacts  width of the enclosure  145 mm height of the enclosure  145 mm  • leift • o mm • leift • o mm • leift • o mm • required spacing • top • bottom • leift • o mm • fight net weight  product feature of the enclosure housing can be lined up fastening method electrical accessories  MTBF at 40 °C  500 000 h  TBF at 40 °C  500 000 h  TBF at 40 °C  500 000 h   |   |   |
| • for emitted interference • for mains harmonics limitation • for interference immunity  environmental conditions  ambient temperature • during operation • during storage environmental category according to IEC 60721  Mechanics  type of electrical connection • at input • for auxiliary contacts width of the enclosure  ineight of the enclosure  depth of the enclosure  etop  ingit  product feature of the enclosure housing can be lined up fastening method electrical accessories  mechanical accessories  Moritor Sun Hong Sun (Sun March 2)  EN 61000-3-2  EN 61000-3-3  EN 61000  |   |   |
| • for mains harmonics limitation • for interference immunity  environmental conditions  ambient temperature • during operation • during storage • environmental category according to IEC 60721  Mechanics  type of electrical connection • at input • at output • for auxiliary contacts  width of the enclosure depth of the enclosure depth of the enclosure depth of the enclosure  • top • bottom • left • product feature of the enclosure housing can be lined up fastening method electrical accessories  mechanical accessories  ■ Final Category according to IEC 60721  ■ Climater at 25 +70 °C; with natural convection  - 25 +70 °C; with natural convection - 40 +85 °C - 40 +8   |   | EN 55022 Class B  |
| • for interference immunity  environmental conditions  ambient temperature • during operation • during transport • during storage • renvironmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  Mechanics  type of electrical connection • at input • at output • at output • for auxiliary contacts  width of the enclosure height of the enclosure  • top • bottom • left • right net weight product feature of the enclosure housing can be lined up fastening method electrical accessories  mechanical accessories  MEDF at 40 °C  EN 100 000 h  EN 100 000 000 h  EN 100 000 000 000 000 000 000 000 000 00   |   |   |
| environmental conditions  ambient temperature   |   |   |
| ambient temperature  • during operation • during transport • during storage   **Climate class 3K3, 5 95% no condensation  **Mechanics*  **Upe of electrical connection • at input • at output • at output • at output • for auxiliary contacts  **input*  **Input* • for auxiliary contacts  **Input*  **Inp  |   | EN 01000-0-2  |
| <ul> <li>during operation</li> <li>during transport</li> <li>during storage</li> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Mechanics</li> <li>type of electrical connection</li> <li>at input</li> <li>t1, L2, L3, PE: 1 screw terminals</li> <li>at output</li> <li>for auxiliary contacts</li> <li>width of the enclosure</li> <li>height of the enclosure</li> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> <li>on m</li> <li>retweight</li> <li>product feature of the enclosure housing can be lined up</li> <li>fastening method</li> <li>electrical accessories</li> <li>mechanical accessories</li> <li>MTBF at 40 °C</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>Ad 0 +85 °C</li> <li>40 Limate class 3K3, 5 95% no condensation</li> <li>Ad 0 +85 °C</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>Ad 0 +85 °C</li> <li>Ad 0 +35 °C</li> <li>Ad 0 +35 °C</li> <li>Ad 0 +35 °C</li> <li>Ad 0 +35 °C</li> <li>Ad 0 +85 °C</li> <li>Ad 0 +45 °C</li> <li>A</li></ul>  |   |   |
| <ul> <li>during transport</li> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>Mechanics</li> <li>type of electrical connection</li> <li>at input</li> <li>t1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded</li> <li>at output</li> <li>for auxiliary contacts</li> <li>width of the enclosure</li> <li>height of the enclosure</li> <li>top</li> <li>bottom</li> <li>bottom</li> <li>eleft</li> <li>right</li> <li>net weight</li> <li>product feature of the enclosure housing can be lined up</li> <li>fastening method</li> <li>electrical accessories</li> <li>MTBF at 40 °C</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>Ad +85 °C</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>delectrical accessories</li> <li>denvis depth of condensation</li> <li>41, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded</li> <li>42, L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded</li> <li>43, 14 (alarm signal): 1 screw terminal each for 0.5 4 mm² single-core/finely stranded</li> <li>46 mm²</li> <li>46 mm²</li> <li>46 mm²</li> <li>40 mm</li> <li>4</li></ul>  | •   | 05 .70 00 .11   |
| <ul> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>Mechanics</li> <li>type of electrical connection</li> <li>at input</li> <li>L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded</li> <li>at output</li> <li>for auxiliary contacts</li> <li>width of the enclosure</li> <li>height of the enclosure</li> <li>top</li> <li>otop</li> <li>otop</li> <li>otop</li> <li>otop</li> <li>oth of mm</li> <li>eleft</li> <li>omm</li> <li>required spacing</li> <li>eleft</li> <li>omm</li> <li>net weight</li> <li>product feature of the enclosure housing can be lined up fastening method</li> <li>electrical accessories</li> <li>MTBF at 40 °C</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>Screw-type terminals</li> <li>L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded</li> <li>4, 2 screw terminals each for 0.5 4 mm² single-core/finely stranded</li> <li>4, 2 screw terminals each for 0.5 4 mm² single-core/finely stranded</li> <li>4, 2 screw terminals each for 0.5 10 mm²</li> <li>40 mm²</li> <li>45 mm</li> <li>40 mm</li> <li>40 mm</li> <li>40 mm</li> <li>40 mm</li> <li>60 mm</li> <li>70 mm<td><u> </u></td><td></td></li></ul>  | <u> </u>  |   |
| environmental category according to IEC 60721  Mechanics  type of electrical connection  • at input  • at output  • for auxiliary contacts  width of the enclosure  height of the enclosure  • top  • bottom  • left  • right  • right  net weight  product feature of the enclosure housing can be lined up fastening method  electrical accessories  mechanical accessories  MED A (C)  MED A (C)  Mechanics  Climate class 3K3, 5 95% no condensation  screw-type terminals  screw-type terminals  L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminals each for 0.5 10 mm²  13, 14 (alarm signal): 1 screw terminal each for 0.05 2.5 mm²  145 mm  145 mm  40 mm  40 mm  • loft  • right  • right  Snaps onto DIN rail EN 60715 35x15  electrical accessories  Redundancy module, buffer module, selectivity module, DC UPS  mechanical accessories  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20  MTBF at 40 °C  |   |   |
| type of electrical connection  • at input  • at output  • at output  • for auxiliary contacts  height of the enclosure  depth of the enclosure  • top  • bottom  • left  • right  net weight  product feature of the enclosure housing can be lined up  fastening method  electrical accessories  mechanical accessories  MTBF at 40 °C   screw-type terminals  1.1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminal each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminals  1.1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminals  1.4 (alarm signal): 1 screw terminal each for 0.5 4 mm² single-core/finely stranded  1.5 mm²  4.5 mm²  4.5 mm  4.5 mm  4.0 mm  9 bottom  • top  • t  |   |   |
| type of electrical connection  • at input  • at output  • at output  • for auxiliary contacts  width of the enclosure  height of the enclosure  • top  • bottom  • left  • right  • right  product feature of the enclosure housing can be lined up fastening method  electrical accessories  mechanical accessories  MTBF at 40 °C   • at output  L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminals each for 0.5 10 mm²  +, -: 2 screw terminals each for 0.5 10 mm²  +, -: 2 screw terminals each for 0.5 10 mm²  +, -: 2 screw terminals each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminal each for 0.5 10 mm²  145 mm  40 mm  40 mm  40 mm  0 mm  • left  9 mm  150 mm  |   | Climate class 3K3, 5 95% no condensation                                  |
| at input  L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm² single-core/finely stranded  +, -: 2 screw terminals each for 0.5 10 mm²  for auxiliary contacts  13, 14 (alarm signal): 1 screw terminal each for 0.05 2.5 mm²  width of the enclosure  145 mm  height of the enclosure  150 mm  required spacing  top  top  top  top  top  top  top  to   |   |   |
| • at output • for auxiliary contacts  width of the enclosure height of the enclosure  top • bottom • right • right net weight product feature of the enclosure housing can be lined up fastening method electrical accessories  methanical accessories  MTBF at 40 °C  width of top to enclosure  13, 14 (alarm signal): 1 screw terminal each for 0.05 2.5 mm²  145 mm  40 mm  40 mm  40 mm  0 mm  0 mm  Yes  Snaps onto DIN rail EN 60715 35x15  Redundancy module, buffer module, selectivity module, DC UPS  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20  MTBF at 40 °C  500 000 h  | type of electrical connection                                     | screw-type terminals  |
| <ul> <li>for auxiliary contacts</li> <li>width of the enclosure</li> <li>height of the enclosure</li> <li>depth of the enclosure</li> <li>top</li> <li>bottom</li> <li>e left</li> <li>o mm</li> <li>required weight</li> <li>o mm</li> <li>net weight</li> <li>product feature of the enclosure housing can be lined up fastening method</li> <li>electrical accessories</li> <li>mechanical accessories</li> <li>MTBF at 40 °C</li> <li>145 mm</li> <li>145 mm</li> <li>145 mm</li> <li>40 mm</li> <li>40 mm</li> <li>0 mm</li> <li>0 mm</li> <li>150 mm</li> <li>40 mm</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>150 mm</li> <li>1</li></ul>  | • at input  |   |
| width of the enclosure height of the enclosure  depth of the enclosure  tequired spacing  top bottom left right redight redigh  | • at output   | +, -: 2 screw terminals each for 0.5 10 mm <sup>2</sup>                   |
| height of the enclosure  depth of the enclosure  required spacing  top  bottom  left  right  retweight  product feature of the enclosure housing can be lined up fastening method  electrical accessories  mechanical accessories  MTBF at 40 °C  150 mm  40 mm  0 mm  0 mm  7 mm  150 mm  40 mm  0 mm  150 mm  | for auxiliary contacts  | 13, 14 (alarm signal): 1 screw terminal each for 0.05 2.5 mm <sup>2</sup> |
| depth of the enclosure  required spacing  • top  • bottom  • left  • right  • right  • round teature of the enclosure housing can be lined up  fastening method  electrical accessories  mechanical accessories  MTBF at 40 °C  150 mm  40 mm  40 mm  0 mm  0 mm  7 mm  9 mm  9 mm  150 mm  40 mm  150  | width of the enclosure  | 145 mm  |
| required spacing  • top  • bottom  • left  • right  net weight  product feature of the enclosure housing can be lined up fastening method  electrical accessories  mechanical accessories  MTBF at 40 °C  40 mm  40 mm  0 mm  9 mm  | height of the enclosure   | 145 mm  |
| <ul> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> <li>net weight</li> <li>product feature of the enclosure housing can be lined up</li> <li>fastening method</li> <li>electrical accessories</li> <li>mechanical accessories</li> <li>MTBF at 40 °C</li> <li>40 mm</li> <li>40 mm</li> <li>9 mm</li> <li>9 mm</li> <li>10 mm</li> <li>11 kg</li> <li>12 yes</li> <li>13 kg</li> <li>14 kg</li> <li>15 yes</li> <li>16 kg</li> <li>17 yes</li> <li>18 kg</li> <li>18 kg</li> <li>19 yes</li> <li>19 kg</li> <li>10 mm</li> <li>10 mm<td>depth of the enclosure</td><td>150 mm</td></li></ul> | depth of the enclosure  | 150 mm  |
| <ul> <li>bottom</li> <li>left</li> <li>right</li> <li>net weight</li> <li>product feature of the enclosure housing can be lined up</li> <li>fastening method</li> <li>electrical accessories</li> <li>mechanical accessories</li> <li>MTBF at 40 °C</li> <li>40 mm</li> <li>0 mm</li> <li>3.1 kg</li> <li>Yes</li> <li>Snaps onto DIN rail EN 60715 35x15</li> <li>Redundancy module, buffer module, selectivity module, DC UPS</li> <li>Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20</li> <li>500 000 h</li> </ul>   | required spacing  |   |
| <ul> <li>left</li> <li>o right</li> <li>net weight</li> <li>product feature of the enclosure housing can be lined up fastening method</li> <li>electrical accessories</li> <li>mechanical accessories</li> <li>MTBF at 40 °C</li> <li>nmm</li> <li>o mm</li> <li>o mm</li> <li>o mm</li> <li>yes</li> <li>Snaps onto DIN rail EN 60715 35x15</li> <li>Redundancy module, buffer module, selectivity module, DC UPS</li> <li>Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20</li> <li>500 000 h</li> </ul>  | • top   | 40 mm   |
| ● right  net weight  product feature of the enclosure housing can be lined up fastening method  electrical accessories  mechanical accessories  MTBF at 40 °C   0 mm  3.1 kg  Yes  Snaps onto DIN rail EN 60715 35x15  Redundancy module, buffer module, selectivity module, DC UPS  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-  1SB20  500 000 h  | • bottom  | 40 mm   |
| net weight product feature of the enclosure housing can be lined up fastening method electrical accessories mechanical accessories  MTBF at 40 °C  3.1 kg Yes Snaps onto DIN rail EN 60715 35x15 Redundancy module, buffer module, selectivity module, DC UPS Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20 500 000 h   | ● left  | 0 mm  |
| product feature of the enclosure housing can be lined up fastening method Snaps onto DIN rail EN 60715 35x15 electrical accessories Redundancy module, buffer module, selectivity module, DC UPS mechanical accessories Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20 MTBF at 40 °C 500 000 h   | • right   | 0 mm  |
| fastening method  Snaps onto DIN rail EN 60715 35x15  electrical accessories  Redundancy module, buffer module, selectivity module, DC UPS  mechanical accessories  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-  1SB20  MTBF at 40 °C  500 000 h  | net weight  | 3.1 kg  |
| fastening method  Snaps onto DIN rail EN 60715 35x15  electrical accessories  Redundancy module, buffer module, selectivity module, DC UPS  mechanical accessories  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-  1SB20  MTBF at 40 °C  500 000 h  |   | -   |
| electrical accessories  Redundancy module, buffer module, selectivity module, DC UPS  mechanical accessories  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20  MTBF at 40 °C  500 000 h   |   |   |
| mechanical accessories  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900- 1SB20  MTBF at 40 °C  500 000 h   |   |   |
|   |   | Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-         |
|   | MTBF at 40 °C   | 500 000 h   |
| (unless otherwise specified)  | other information   | Specifications at rated input voltage and ambient temperature +25 °C      |

