



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

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

| input                                                                                      |                                                                                               |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| type of the power supply network                                                           | 1-phase AC or DC                                                                              |
| supply voltage at AC                                                                       |                                                                                               |
| • minimum rated value                                                                      | 100 V                                                                                         |
| • maximum rated value                                                                      | 240 V                                                                                         |
| • initial value                                                                            | 85 V                                                                                          |
| • full-scale value                                                                         | 264 V                                                                                         |
| input voltage at DC                                                                        | 110 ... 300 V                                                                                 |
| wide range input                                                                           | Yes                                                                                           |
| overvoltage overload capability                                                            | 300 V AC for 1 s                                                                              |
| buffering time for rated value of the output current in the event of power failure minimum | 40 ms                                                                                         |
| operating condition of the mains buffering                                                 | at $V_{in} = 187$ V                                                                           |
| line frequency                                                                             | 50/60 Hz                                                                                      |
| line frequency                                                                             | 47 ... 63 Hz                                                                                  |
| input current                                                                              |                                                                                               |
| • at rated input voltage 120 V                                                             | 0.3 A                                                                                         |
| • at rated input voltage 230 V                                                             | 0.2 A                                                                                         |
| current limitation of inrush current at 25 °C maximum                                      | 20 A                                                                                          |
| I <sup>2</sup> t value maximum                                                             | 0.8 A <sup>2</sup> ·s                                                                         |
| fuse protection type                                                                       | internal                                                                                      |
| fuse protection type in the feeder                                                         | Recommended miniature circuit breaker: from 6 A characteristic B or from 2 A characteristic C |
| output                                                                                     |                                                                                               |
| voltage curve at output                                                                    | Controlled, isolated DC voltage                                                               |
| output voltage at DC rated value                                                           | 24 V                                                                                          |
| output voltage                                                                             |                                                                                               |
| • at output 1 at DC rated value                                                            | 24 V                                                                                          |
| output voltage adjustable                                                                  | No                                                                                            |
| relative overall tolerance of the voltage                                                  | 3 %                                                                                           |
| relative control precision of the output voltage                                           |                                                                                               |
| • on slow fluctuation of input voltage                                                     | 0.1 %                                                                                         |
| • on slow fluctuation of ohm loading                                                       | 0.1 %                                                                                         |
| residual ripple                                                                            |                                                                                               |
| • maximum                                                                                  | 200 mV                                                                                        |
| • typical                                                                                  | 30 mV                                                                                         |
| voltage peak                                                                               |                                                                                               |
| • maximum                                                                                  | 300 mV                                                                                        |
| • typical                                                                                  | 50 mV                                                                                         |
| display version for normal operation                                                       | Green LED for output voltage OK                                                               |

|                                                                                                                 |                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| behavior of the output voltage when switching on                                                                | No overshoot of Vout (soft start)                                                                                                                            |
| response delay maximum                                                                                          | 0.5 s                                                                                                                                                        |
| voltage increase time of the output voltage                                                                     |                                                                                                                                                              |
| • typical                                                                                                       | 100 ms                                                                                                                                                       |
| output current                                                                                                  |                                                                                                                                                              |
| • rated value                                                                                                   | 0.6 A                                                                                                                                                        |
| • rated range                                                                                                   | 0 ... 0.6 A; +55 ... +70 °C: Derating 2%/K                                                                                                                   |
| supplied active power typical                                                                                   | 14.4 W                                                                                                                                                       |
| bridging of equipment                                                                                           | No                                                                                                                                                           |
| <b>efficiency</b>                                                                                               |                                                                                                                                                              |
| efficiency in percent                                                                                           | 81 %                                                                                                                                                         |
| power loss [W]                                                                                                  |                                                                                                                                                              |
| • at rated output voltage for rated value of the output current typical                                         | 3.4 W                                                                                                                                                        |
| • during no-load operation maximum                                                                              | 0.3 W                                                                                                                                                        |
| <b>closed-loop control</b>                                                                                      |                                                                                                                                                              |
| relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical | 0.2 %                                                                                                                                                        |
| relative control precision of the output voltage at load step of resistive load 10/90/10 % typical              | 2 %                                                                                                                                                          |
| setting time                                                                                                    |                                                                                                                                                              |
| • load step 10 to 90% typical                                                                                   | 1 ms                                                                                                                                                         |
| • load step 90 to 10% typical                                                                                   | 1 ms                                                                                                                                                         |
| <b>protection and monitoring</b>                                                                                |                                                                                                                                                              |
| design of the overvoltage protection                                                                            | Yes, according to EN 60950-1                                                                                                                                 |
| property of the output short-circuit proof                                                                      | Yes                                                                                                                                                          |
| design of short-circuit protection                                                                              | Constant current characteristic                                                                                                                              |
| • typical                                                                                                       | 0.8 A                                                                                                                                                        |
| overcurrent overload capability                                                                                 |                                                                                                                                                              |
| • when switching on                                                                                             | 150% Iout rated typ. 200 ms                                                                                                                                  |
| • in normal operation                                                                                           | overload capability 150% Iout rated typ. 200 ms                                                                                                              |
| enduring short circuit current RMS value                                                                        |                                                                                                                                                              |
| • maximum                                                                                                       | 0.8 A                                                                                                                                                        |
| measuring point for output current                                                                              | No                                                                                                                                                           |
| <b>safety</b>                                                                                                   |                                                                                                                                                              |
| galvanic isolation between input and output                                                                     | Yes                                                                                                                                                          |
| galvanic isolation                                                                                              | Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178                                                                                         |
| operating resource protection class                                                                             | Class II (without protective conductor)                                                                                                                      |
| protection class IP                                                                                             | IP20                                                                                                                                                         |
| <b>EMC</b>                                                                                                      |                                                                                                                                                              |
| standard                                                                                                        |                                                                                                                                                              |
| • for emitted interference                                                                                      | EN 55022 Class B                                                                                                                                             |
| • for mains harmonics limitation                                                                                | not applicable                                                                                                                                               |
| • for interference immunity                                                                                     | EN 61000-6-2                                                                                                                                                 |
| <b>standards, specifications, approvals</b>                                                                     |                                                                                                                                                              |
| certificate of suitability                                                                                      |                                                                                                                                                              |
| • CE marking                                                                                                    | Yes                                                                                                                                                          |
| • UL approval                                                                                                   | Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) |
| • CSA approval                                                                                                  | Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-Recognized (UL 60950, CSA C22.2 No. 60950), File E151273, NEC class 2 (acc. to UL 1310) |
| • EAC approval                                                                                                  | Yes                                                                                                                                                          |
| • NEC Class 2                                                                                                   | Yes; according to UL1310, File E151273                                                                                                                       |
| • SEMI F47                                                                                                      | Yes                                                                                                                                                          |
| type of certification                                                                                           |                                                                                                                                                              |
| • CB-certificate                                                                                                | Yes                                                                                                                                                          |
| MTBF at 40 °C                                                                                                   | 4 415 040 h                                                                                                                                                  |
| <b>standards, specifications, approvals hazardous environments</b>                                              |                                                                                                                                                              |
| certificate of suitability                                                                                      |                                                                                                                                                              |
| • IECEx                                                                                                         | No                                                                                                                                                           |

|                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• ULhazloc approval</li> <li>• cCSAus, Class 1, Division 2</li> <li>• FM registration</li> </ul>                                                                                                                  | No<br>No<br>No<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>standards, specifications, approvals marine classification</b>                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| shipbuilding approval                                                                                                                                                                                                                                                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Marine classification association                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> </ul>                                  | Yes<br>Yes<br>Yes<br>Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>standards, specifications, approvals Environmental Product Declaration</b>                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Environmental Product Declaration                                                                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| global warming potential [CO2 eq]                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>                                                                                                                       | 94.5 kg<br>1.3 kg<br>93.1 kg<br>0.05 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ambient conditions</b>                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ambient temperature                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>                                                                                                                                               | -25 ... +70; with natural convection<br>-40 ... +85<br>-40 ... +85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| environmental category according to IEC 60721                                                                                                                                                                                                                            | Climate class 3K3, 5 ... 95% no condensation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>connection method</b>                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| type of electrical connection                                                                                                                                                                                                                                            | screw terminal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for auxiliary contacts</li> </ul>                                                                                                                                                      | L, N: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded<br>+, -: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup><br>-                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mechanical data</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| width × height × depth of the enclosure                                                                                                                                                                                                                                  | 18 × 90 × 53 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| installation width × mounting height                                                                                                                                                                                                                                     | 18 mm × 130 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| required spacing                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>                                                                                                                                                               | 20 mm<br>20 mm<br>0 mm<br>0 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| fastening method                                                                                                                                                                                                                                                         | Snaps onto DIN rail EN 60715 35x7.5/15, direct mounting in different mounting positions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"> <li>• DIN-rail mounting</li> <li>• S7 rail mounting</li> <li>• wall mounting</li> </ul>                                                                                                                                               | Yes<br>No<br>Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| housing can be lined up                                                                                                                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| net weight                                                                                                                                                                                                                                                               | 0.07 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>further information internet links</b>                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| internet link                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: power supplies</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://siemens.com/sitop">https://siemens.com/sitop</a><br><a href="https://siemens.com/cax">https://siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                                                                                                                                                                                           |
| <b>additional information</b>                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| other information                                                                                                                                                                                                                                                        | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>security information</b>                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| security information                                                                                                                                                                                                                                                     | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected |

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Classifications

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-04-07-01    |
| eClass | 12      | 27-04-07-01    |
| eClass | 9.1     | 27-04-07-01    |
| eClass | 9       | 27-04-07-01    |
| eClass | 8       | 27-04-90-02    |
| eClass | 7.1     | 27-04-90-02    |
| eClass | 6       | 27-04-90-02    |
| ETIM   | 9       | EC002540       |
| ETIM   | 8       | EC002540       |
| ETIM   | 7       | EC002540       |
| IDEA   | 4       | 4130           |
| UNSPSC | 15      | 39-12-10-04    |

Approvals Certificates

General Product Approval



[Manufacturer Declaration](#)

[Declaration of Conformity](#)



General Product Approval

Marine / Shipping



Marine / Shipping

Environment



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