## **SIEMENS**

Data sheet 6GT2898-0AC00

## product type designation

type of current supply

## Wide-range power supply unit with EU connecting cable

Input: 100 to 230 V AC, output: 24 V DC / 3 A

SIMATIC RF600 wide-range voltage supply for SIMATIC RF systems In: AC: 100-240 V Out: 24 V DC 3 A CE, UL, CSA degree of protection IP67 with power supply cable/connector CEE 7/7 Consisting of: 1x 6GT28980AC81 1x 6GT28980AC01.



| suitability for use    Two readers can be connected directly. Robust and cast industrial power supply unit with high degree of protection for use directly at the process.   Continued of the supply voltage / rated value   | type of current supply                               | Input: 100 to 230 V AC, output: 24 V DC / 3 A   |
|--|--|---|
| voltage curve / at input  supply voltage / rated value  supply voltage / of the supply voltage  yee of voltage / of the supply voltage  AC  line frequency  • 50 Hz  • 50 Hz  voltage curve / at output  voltage / at DC / rated value  • rated value  • rated value  • rated range  • rated range  • relative overall tolerance / of the voltage  electrical data / closed-loop control  relative overall tolerance / of the voltage  electrical data / closed-loop control  relative overall tolerance / of the voltage  electrical data / rotection and monitoring  design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  3,9 A  electrical data / safety  galvanic isolation / between input and output  Yes  galvanic isolation / between input and output  yee for power supply  2 type of electrical connection  • at input  • at output  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  • at output  • at  | suitability for use                                  |   |
| supply voltage / rated value 100 240 V V V V V V V V V V V V V V V V V V V   | electrical data / input                              |   |
| supply voltage / rated value type of voltage / of the supply voltage line frequency • 50 Hz • 60 Hz • 60 Hz • 60 Hz  Ves  electrical data / output  voltage curve / at output  voltage / at DC / rated value  output voltage / at DC / rated value  output voltage / at DC / rated value  • rated value • rated value • rated value • rated range efficiency in percent  electrical data / losed-loop control  relative overall tolar over output output Uout nom +20 % typ.  property of the output / short-circuit proof design of short-circuit protection  permanent enduring short circuit current / RMS value / maximum  electrical data / safety galvanic isolation / between input and output  yalvanic isolation SELV / PELV according to EN 60950  operating resource protection class  interfaces  number of electrical connection • at input • at output • at output  Schuko socket CEE 7/7 with 2 m connecting cable • at output • at output • signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights   | voltage curve / at input                             | AC single phase                                 |
| type of voltage / of the supply voltage  AC  line frequency  • 50 Hz  • 60 Hz  • 80 Hz  Ves  clectrical data / output  voltage curve / at output  voltage curve / at output  output voltage / at DC / rated value  output voltage / at DC / rated value  • rated value  • rated value  • rated range  efficiency in percent  getficiency in percent  voltage at / osed-loop control  relative overall tolerance / of the voltage  electrical data / closed-loop control  relative overall tolerance / of the voltage  electrical data / protection and monitoring  design of the overvoltage protection / at output  property of the output / short-circuit proof  yes  design of short-circuit protection  enduring short circuit protection  permanent  enduring short circuit current / RMS value / maximum  electrical data / safety  galvanic isolation / between input and output  yes  class II (protective insulation)  interfaces  number of electrical connections  • for power supply  2  type of electrical connection  • at input  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  • at output  \$\$ x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights   | supply voltage / rated value                         | 230 V   |
| line frequency  • 50 Hz  • 60 Hz  Yes  electrical data/ output  voltage curve / at output  voltage curve / at output  voltage curve / at output  voltage / at DC / rated value  output current  • rated value  • rated range  o 3.9 A  efficiency in percent  electrical data / closed-loop control  relative overall tolerance / of the voltage  electrical data / protection and monitoring  design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  and isolation / between input and output  yes  galvanic isolation / between input and output  yes  galvanic isolation  operating resource protection class  class II (protective insulation)  intorfaces  number of electrical connections  • for power supply  2  type of electrical connection  • at input  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  • at output  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights   | supply voltage / rated value                         | 100 240 V                                       |
| • 50 Hz     • 60 Hz     • 60 Hz     • 60 Hz     voltage curve / at output     voltage curve / at output     output voltage / at DC / rated value     output voltage / at DC / rated value     output current     • rated value     • rated range     efficiency in percent     90 %     electrical data / closed-loop control     relative overall tolerance / of the voltage     electrical data / protection and monitoring     design of the overvoltage protection / at output     property of the output / short-circuit proof     design of short-circuit protection     enduring short circuit current / RMS value / maximum     electrical data / safety     galvanic isolation / between input and output     yes     galvanic isolation / between input and output     yes     galvanic isolation of the design of short-circuit prof     SELV / PELV according to EN 60950     operating resource protection class     interfaces     number of electrical connections     • for power supply     1     type of electrical connection     • at input     • at input     • at output     stignal inputs/outputs     product component / signaling contact     No     design, dimensions and weights  | type of voltage / of the supply voltage              | AC  |
| olectrical data / output     voltage curve / at output     output voltage / at DC / rated value     output voltage / at DC / rated value     output voltage / at DC / rated value     output current     orated value     orated value     orated range     orated range     orated value     orat      | line frequency                                       |   |
| electrical data / output  voltage curve / at output  voltage curve / at output  output voltage / at DC / rated value  output current  • rated value  • rated range  fficiency in percent  electrical data / closed-loop control  relative overall tolerance / of the voltage  design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  squaring isolation / between input and output  yes  galvanic isolation / between input and output  yes  galvanic isolation  operating resource protection class  • for power supply  type of electrical connection  • at input  • at input  • at output  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights  | • 50 Hz  | Yes   |
| voltage curve / at output  output voltage / at DC / rated value  output voltage / at DC / rated value  output voltage / at DC / rated value  • rated value  • rated value  • rated range  officiency in percent  go %  electrical data / closed-loop control  relative overall tolerance / of the voltage  electrical data / protection and monitoring  design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  3.9 A  electrical data / safety  galvanic isolation / between input and output  Yes  galvanic isolation / between input and output  yes  galvanic isolation / between input and output  Yes  galvanic protection class  interfaces  number of electrical connections  • for power supply  type of electrical connection  • at input  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  2 x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights  | • 60 Hz  | Yes   |
| output voltage / at DC / rated value  output current  • rated value • rated value • rated range  efficiency in percent  olectrical data / closed-loop control relative overall tolerance / of the voltage  electrical data / protection and monitoring  design of the overvoltage protection / at output property of the overvoltage protection / at output property of the output / short-circuit proof  easign of short-circuit protection enduring short circuit current / RMS value / maximum  olectrical data / safety galvanic isolation / between input and output yes galvanic isolation / between input and output yes galvanic protection class  interfaces  number of electrical connections • for power supply 2  type of electrical connection • at input • at output  signal imputs/outputs product component / signaling contact No  design, dimensions and weights   | electrical data / output                             |   |
| output current  • rated value  • rated value  • rated range  olimited ficiency in percent  electrical data / closed-loop control  relative overall tolerance / of the voltage  electrical data / protection and monitoring  design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  allowing short circuit current / RMS value / maximum  galvanic isolation / between input and output  yes  galvanic isolation / between input and output  yes  galvanic isolation / between input and output  yes  class II (protective insulation)  interfaces  number of electrical connections  • for power supply  2  type of electrical connection  • at input  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  • x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights   | voltage curve / at output                            | DC 24 V fixed voltage                           |
| rated value  | output voltage / at DC / rated value                 | 24 V  |
| rated range     efficiency in percent     90 %  clectrical data / closed-loop control  relative overall tolerance / of the voltage     2 %  clectrical data / protection and monitoring  design of the overvoltage protection / at output  Uout nom +20 % typ.  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  3.9 A  clectrical data / safety  galvanic isolation / between input and output  yes  galvanic isolation / between input and output  yes  galvanic protection class  interfaces  number of electrical connections  of or power supply  type of electrical connection  at input  Schuko socket CEE 7/7 with 2 m connecting cable  at output  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights  | output current                                       |   |
| efficiency in percent 90 %  electrical data / closed-loop control  relative overall tolerance / of the voltage 2 %  electrical data / protection and monitoring  design of the overvoltage protection / at output Uout nom +20 % typ.  property of the output / short-circuit proof Yes  design of short-circuit protection Permanent enduring short circuit current / RMS value / maximum 3.9 A  electrical data / safety  galvanic isolation / between input and output Yes  galvanic isolation / between input and output Yes  galvanic resource protection class Class II (protective insulation)  interfaces  number of electrical connections  | rated value  | 3 A   |
| electrical data / closed-loop control  relative overall tolerance / of the voltage 2 %  electrical data / protection and monitoring  design of the overvoltage protection / at output Uout nom +20 % typ.  property of the output / short-circuit proof Yes  design of short-circuit protection Permanent enduring short circuit current / RMS value / maximum 3.9 A  electrical data / safety  galvanic isolation / between input and output Yes  galvanic isolation / between input and output SELV / PELV according to EN 60950  operating resource protection class Class II (protective insulation)  interfaces  number of electrical connections  • for power supply 2  type of electrical connection  • at input Schuko socket CEE 7/7 with 2 m connecting cable • at output Schuko socket CEE 7/7 with 2 m connecting cable  signal inputs/outputs  product component / signaling contact No  design, dimensions and weights   | rated range  | 0 3.9 A   |
| relative overall tolerance / of the voltage 2 %  electrical data / protection and monitoring  design of the overvoltage protection / at output Uout nom +20 % typ.  property of the output / short-circuit proof Yes  design of short-circuit protection Permanent enduring short circuit current / RMS value / maximum 3.9 A  electrical data / safety galvanic isolation / between input and output Yes galvanic isolation / between input and output Yes galvanic resource protection class Class II (protective insulation)  interfaces  number of electrical connection  • for power supply 2  type of electrical connection  • at input Schuko socket CEE 7/7 with 2 m connecting cable • at output 2 x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact No  design, dimensions and weights  | efficiency in percent                                | 90 %  |
| electrical data / protection and monitoring  design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection  enduring short circuit current / RMS value / maximum  enduring short circuit current / RMS value / maximum  along alo | electrical data / closed-loop control                |   |
| design of the overvoltage protection / at output  property of the output / short-circuit proof  design of short-circuit protection enduring short circuit current / RMS value / maximum enduring short circuit current / RMS value / maximum 3.9 A  electrical data / safety galvanic isolation / between input and output yes galvanic isolation / between input and output galvanic resource protection class Class II (protective insulation)  interfaces number of electrical connections • for power supply 2  type of electrical connection • at input • at output signal inputs/outputs product component / signaling contact No  design, dimensions and weights  | relative overall tolerance / of the voltage          | 2 %   |
| property of the output / short-circuit proof  design of short-circuit protection enduring short circuit current / RMS value / maximum 3.9 A  electrical data / safety galvanic isolation / between input and output yes galvanic isolation operating resource protection class  interfaces number of electrical connections  | electrical data / protection and monitoring          |   |
| design of short-circuit protection enduring short circuit current / RMS value / maximum 3.9 A  electrical data / safety galvanic isolation / between input and output yes galvanic isolation SELV / PELV according to EN 60950 operating resource protection class Class II (protective insulation) interfaces number of electrical connections • for power supply 2 type of electrical connection • at input • at output Schuko socket CEE 7/7 with 2 m connecting cable 2 x M12 4 pin, A-coded, female  signal inputs/outputs product component / signaling contact No  design, dimensions and weights   | design of the overvoltage protection / at output     | Uout nom +20 % typ.                             |
| enduring short circuit current / RMS value / maximum  electrical data / safety  galvanic isolation / between input and output  galvanic isolation  SELV / PELV according to EN 60950  operating resource protection class  Class II (protective insulation)  interfaces  number of electrical connections  • for power supply  2  type of electrical connection  • at input  • at output  Schuko socket CEE 7/7 with 2 m connecting cable  2 x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights  | property of the output / short-circuit proof         | Yes   |
| electrical data / safety  galvanic isolation / between input and output  galvanic isolation  operating resource protection class  Class II (protective insulation)  interfaces  number of electrical connections  of or power supply  type of electrical connection  at input  at input  at output  Schuko socket CEE 7/7 with 2 m connecting cable  2 x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact  No  design, dimensions and weights  | design of short-circuit protection                   | Permanent                                       |
| galvanic isolation / between input and output galvanic isolation SELV / PELV according to EN 60950  Class II (protective insulation)  interfaces  number of electrical connections   | enduring short circuit current / RMS value / maximum | 3.9 A   |
| galvanic isolation  operating resource protection class  Class II (protective insulation)  interfaces  number of electrical connections  • for power supply  type of electrical connection  • at input  • at output  signal inputs/outputs  product component / signaling contact  design, dimensions and weights  Class II (protective insulation)  2  Class II (protective insulation)  Schuko socket CEE 7/7 with 2 m connecting cable  2 x M12 4 pin, A-coded, female  | electrical data / safety                             |   |
| operating resource protection class  Interfaces  number of electrical connections  • for power supply  type of electrical connection  • at input  • at output  signal inputs/outputs  product component / signaling contact  design, dimensions and weights  Class II (protective insulation)  2  Class II (protective insulation)  2  x M12 4 pin, A-coded, female  | galvanic isolation / between input and output        | Yes   |
| interfaces  number of electrical connections  • for power supply  type of electrical connection  • at input  • at output  signal inputs/outputs  product component / signaling contact  design, dimensions and weights  2  Indeed to provide the connection of the conne | galvanic isolation                                   | SELV / PELV according to EN 60950               |
| number of electrical connections  • for power supply  type of electrical connection  • at input  • at output  signal inputs/outputs  product component / signaling contact  design, dimensions and weights  2  Schuko socket CEE 7/7 with 2 m connecting cable  2 x M12 4 pin, A-coded, female   | operating resource protection class                  | Class II (protective insulation)                |
|  | interfaces   |   |
| type of electrical connection  • at input  • at output  • at output  signal inputs/outputs  product component / signaling contact  design, dimensions and weights  Schuko socket CEE 7/7 with 2 m connecting cable  2 x M12 4 pin, A-coded, female  No   | number of electrical connections                     |   |
| ◆ at input     ◆ at output     ◆ at output     Schuko socket CEE 7/7 with 2 m connecting cable     2 x M12 4 pin, A-coded, female  signal inputs/outputs  product component / signaling contact  Mo  design, dimensions and weights  | for power supply                                     | 2   |
| ● at output  signal inputs/outputs  product component / signaling contact  design, dimensions and weights  2 x M12 4 pin, A-coded, female  No  | type of electrical connection                        |   |
| signal inputs/outputs  product component / signaling contact  design, dimensions and weights   | • at input   | Schuko socket CEE 7/7 with 2 m connecting cable |
| product component / signaling contact  design, dimensions and weights  | at output  | 2 x M12 4 pin, A-coded, female                  |
| design, dimensions and weights   | signal inputs/outputs                                |   |
|  | product component / signaling contact                | No  |
| width 85 mm  | design, dimensions and weights                       |   |
|  | width  | 85 mm   |

| height  | 35 mm   |
|---|---|
| depth   | 175 mm  |
| net weight  | 0.94 kg   |
| fastening method  | 4 screws M5   |
| ambient conditions  |   |
| ambient temperature   |   |
| <ul> <li>during operation</li> </ul>                              | -25 +75 °C  |
| during storage  | -40 +85 °C  |
| <ul> <li>during transport</li> </ul>                              | -40 +85 °C  |
| • note  | free convection   |
| protection class IP   | IP67  |
| standards, specifications, approvals                              |   |
| standard  |   |
| <ul> <li>for safety / from CSA and UL</li> </ul>                  | EN 60950 / UL 60950 / CAN/CSA 22.2 950, 3 Edition           |
| <ul> <li>for emitted interference</li> </ul>                      | EN 61000-6-3, EN 55011 (Class B)                            |
| accessories   |   |
| accessories   |   |
| • included  | Power supply unT2898-0AC001                                 |
| further information / internet links                              |   |
| internet link   |   |
| <ul> <li>to web page: selection aid TIA Selection Tool</li> </ul> | https://support.industry.siemens.com/cs/ww/en/view/67384964 |
| • to website: Industrial communication                            | http://www.siemens.com/ident/rfid                           |
| • to website: Industry Mall                                       | https://mall.industry.siemens.com                           |
| • to website: Information and Download Center                     | http://www.siemens.com/industry/infocenter                  |
| • to website: Image database                                      | http://automation.siemens.com/bilddb                        |
| <ul><li>to website: CAx-Download-Manager</li></ul>                | http://www.siemens.com/cax                                  |
| <ul> <li>to website: Industry Online Support</li> </ul>           | https://support.industry.siemens.com                        |

last modified:

8/29/2023