SIEMENS

## Data sheet 6EP4436-8XB00-0CY0



SITOP CNX8600/4X5A

SITOP CNX8600 4x5 A
Extension module for PSU8600
output: 24 V DC/4x 5 A

| Output | |
|---|---|
| Output | Controlled, isolated DC voltage |
| number of outputs | 4 |
| Rated voltage Vout DC | 24 V |
| ● output voltage at output 1 at DC rated value | 24 V |
| ● output voltage at output 2 at DC rated value | 24 V |
| ● output voltage at output 3 at DC rated value | 24 V |
| ● output voltage at output 4 at DC rated value | 24 V |
| Total tolerance, static ± | 3 % |
| Static mains compensation, approx. | 0.2 % |
| Static load balancing, approx. | 0.1 % |
| Residual ripple peak-peak, max. | 100 mV |
| Spikes peak-peak, max. (bandwidth: 20 MHz) | 200 mV |
| Adjustment range | 4 ... 28 V |
| product function output voltage adjustable | Yes |
| Output voltage setting | via potentiometer or IE/PN interface; Derating > 24 V: 4%/V; max. 120 W per output |
| Status display | 3-color LED for operating state module; 3-color LED per output for operating state output |
| Signaling | Relay contact (changeover contact, contact current capacity DC 60 V/0.3 A) for "Operating state OK" at power supply unit PSU8600 |
| On/off behavior | No overshoot of Vout (soft start) |
| Startup delay, max. | 1.5 s; Without on-delay of the outputs |
| connection of outputs operating | Simultaneous connecting-in of all outputs after device booting or delay time of 25 ms, 100 ms or "load-optimized" for sequential cutting-in of the outputs via DIP switches at power supply unit PSU8600 can be set |
| voltage increase time of the output voltage maximum | 500 ms |
| Rated current value Iout rated | 20 A |
| output current | |
| ● per output | 5 A |
| ● at output 1 rated value | 5 A |
| ● at output 2 rated value | 5 A |
| ● at output 3 rated value | 5 A |
| ● at output 4 rated value | 5 A |
| Current range | 0 ... 20 A |
| ● Note | No increase in the maximum output power of the overall system SITOP |


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| | |
|---|---|
| | PSU8600 via the expansion module SITOP CNX8600 possible |
| supplied active power typical | 480 W |
| product feature parallel switching of outputs | No |
| Parallel switching for enhanced performance | No |
| **Efficiency** | |
| Efficiency at Vout rated, Iout rated, approx. | 97 % |
| Power loss at Vout rated, Iout rated, approx. | 15 W |
| **Closed-loop control** | |
| Dynamic mains compensation (Vin rated ±15 %), max. | 0.1 % |
| Dynamic load smoothing (Iout: 50/100/50 %), Uout ± typ. | 0.4 % |
| setting time maximum | 10 ms |
| **Protection and monitoring** | |
| Output overvoltage protection | < 35 V |
| property of the output short-circuit proof | Yes |
| Short-circuit protection | electronic overload cut-off |
| adjustable response value current of current-dependent overload trip | 0.5 ... 5 A |
| type of threshold value setting | via potentiometer or IE/PN interface |
| characteristics of electronic overload switch-off | Ia >1.0…<1.5 x Ia threshold permissible for 5 s; Ia limit (= 1.5 x Ia threshold) permissible for 200 ms |
| Reset | via sensor per output or IE/PN interface |
| Remote reset | Non-electrically isolated 24 V input (signal level "high" at > 15 V) at power supply unit PSU8600 |
| Overload/short-circuit indicator | 3-color LED for operating state module; 3-color LED per output for operating state output |
| **Interface** | |
| Specification interface | Ethernet/PROFINET via power supply unit PSU8600 |
| **Safety** | |
| Primary/secondary isolation | Yes |
| galvanic isolation | Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178 |
| Protection class | Class III |
| Degree of protection (EN 60529) | IP20 |
| **Approvals** | |
| CE mark | Yes |
| UL/cUL (CSA) approval | cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) |
| Explosion protection | IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4 |
| certificate of suitability NEC Class 2 | No |
| FM approval | - |
| CB approval | Yes |
| Marine approval | ABS, DNV GL |
| **EMC** | |
| Emitted interference | EN 55022 Class B |
| Noise immunity | EN 61000-6-2 |
| **environmental conditions** | |
| ambient temperature | |
| ● during operation | -25 ... +60 °C |
| — Note | with natural convection |
| ● during transport | -40 ... +85 °C |
| ● during storage | -40 ... +85 °C |
| Humidity class according to EN 60721 | Climate class 3K3, 5 … 95% no condensation |
| **Mechanics** | |
| Connection technology | Plug-in terminals with screwed connection |
| Connections | |
| ● Output | 1, 2, 3, 4: Two plug-in terminals (1, 2 and 3, 4) with 2 screwed connections each for 0.2 ... 2.5 mm²; Ground: Plug-in terminal with 3 screwed connections for 0.2 ... 2.5 mm² |


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|---|---|
| product function | |
| ● removable terminal at output | Yes |
| suitability for interaction modular system | Yes |
| type of connection to system components | Via integrated connector |
| width of the enclosure | 60 mm |
| height of the enclosure | 125 mm |
| depth of the enclosure | 150 mm |
| required spacing | |
| ● top | 50 mm |
| ● bottom | 50 mm |
| ● left | 0 mm |
| ● right | 0 mm |
| Weight, approx. | 1.15 kg |
| product feature of the enclosure housing can be lined up | Yes |
| Installation | Snaps onto DIN rail EN 60715 35x15 |
| mechanical accessories | Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20 |
| MTBF at 40 °C | 358 372 h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |




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