SIEMENS

Data sheet 6EP1961-2BA00

SITOP SELECT DIAGNOSIS MODULE SITOP select Diagnostics module 4-channel input: 24 V DC/40 A output: 24 V DC/4x 10 A Level adjustable 2-10 A



| Input | |
|---|---|
| Type of the power supply network | Controlled DC voltage (SITOP select is not designed for operation with DC UPS module 40 A (6EP1 931-2FC21/-2FC42) |
| Supply voltage / at DC / Rated value | 24 V |
| Input voltage / at DC | 22 30 V |
| Overvoltage overload capability | 35 V; 100 ms |
| Input current / at rated input voltage 24 V / Rated value | 40 A |

| Output | |
|---|--|
| Voltage curve / at output | controlled DC voltage |
| Formula for output voltage | Vin - approx. 0.3 V |
| Relative overall tolerance / of the voltage / Note | In accordance with the supplying input voltage |
| Number of outputs | 4 |
| Output current / up to 60 °C / per output / rated value | 10 A |
| Adjustable pick-up value current / of the current- | 2 10 A |
| dependent overload release | |
| Type of response value setting | via potentiometer |
| Product feature / parallel switching of outputs | No |
| Product feature / bridging of equipments | Yes |

| Simultaneous connection of all outputs after power up of the supply voltage, delay time of 24 ms or 100 ms programmable for sequential connection Efficiency Efficiency Efficiency in percent 97 % Power loss [W] / at rated output current / for rated value of the output current / typical 30 W Switch-off characteristic per output Switching characteristic of the excess current lout = 1.0 1.3 x set value, switch-off after approx. 5 s lout = 1.3 x set value, switch-off after approx. 5 s 100 ms of the immediate switch-off lout > set value and Vin < 20 V, switch-off after approx. 0.5 ms Residual current at switch-off / typical 20 mA Design of the reset device/resetting mechanism Using keys on the module Remote reset function - Protection and monitoring Display version / for normal operation Two-color LED per output: green LED for "Output switched off due to overcurrent" Design of the switching contact / for signaling function Safety Galvanic isolation / between input and output at switch-off Operating resource protection class Class III Centificate of suitability |
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| Certificate of suitability |
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| CE marking Yes |
| • as approval for USA UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, |
| CSA C22.2 No. 107.1) File E197259; cURus (UL 60950, CSA |
| C22.2 No. 60950) File E151273 Standard / for safety according to EN 60950-1 and EN 50178 |
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| Certificate of suitability / relating to ATEX ATEX (EX) II 3G Ex nAC IIC T4 U; cCSAus Class I, Div. 2, Grou ABCD, T4 |
| Protection class IP IP20 |
| |
| EMC Clandord |
| Standard EN 55022 Class B |
| = for omitted interference |
| • for emitted interference EN 55022 Class B |
| • for emitted interference EN 55022 Class B • for interference immunity EN 61000-6-2 |
| • for interference immunity EN 61000-6-2 Operating data |
| ● for interference immunity EN 61000-6-2 Operating data Ambient temperature |
| ● for interference immunity EN 61000-6-2 Operating data Ambient temperature ● during operation 0 60 °C |
| • for interference immunity EN 61000-6-2 Operating data Ambient temperature |

| during storage | -40 +85 °C |
|--|------------------------------------|
| Environmental category / acc. to IEC 60721 | Climate class 3K3, no condensation |

| Mechanics | |
|--|---|
| Type of electrical connection | screw-type terminals |
| • at input | +24 V: 2 screw terminals for 0.5 16 mm²; 0 V: 2 screw terminals |
| | for 0.5 4 mm ² |
| • at output | Output 1 4: 1 screw terminal each for 0.22 4 mm ² |
| for signaling contact | 2 screw terminals for 0.22 4 mm ² |
| for auxiliary contacts | |
| Width / of the enclosure | 72 mm |
| Height / of the enclosure | 90 mm |
| Depth / of the enclosure | 90 mm |
| Installation width | 72 mm |
| Mounting height | 190 mm |
| Net weight | 0.4 kg |
| Mounting type | Snaps onto DIN rail EN 60715 35x7.5/15 |
| Product component / belonging to | 4x blade-type fuse 15 A |
| MTBF / at 40 °C | 378 928 h |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |
| | - (a555 55 the specimen) |