



Figure similar

SITOP PSE200U/4X3-10A/CSC

SITOP PSE200U 10 A Selectivity module 4-channel input: 24 V DC/40 A output: 24 V DC/4x 10 A Level adjustable 3-10 A with common signaling contact *Ex approval no longer available*

| Input | |
|--|---|
| type of the power supply network | Controlled DC voltage |
| supply voltage at DC rated value | 24 V |
| input voltage at DC | 22 ... 30 V |
| overvoltage overload capability | 35 V |
| input current at rated input voltage 24 V rated value | 40 A |
| Output | |
| voltage curve at output | controlled DC voltage |
| formula for output voltage | $V_{in} - \text{approx. } 0.2 \text{ V}$ |
| 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 current response value current of the current-dependent overload release | 3 ... 10 A |
| type of response value setting | via potentiometer |
| product feature parallel switching of outputs | No |
| type of outputs connection | Simultaneous connection of all outputs after power up of the supply voltage > 20 V, delay time of 25 ms, 100 ms or adjustable "load optimised" via DIP switch for sequential connection |
| Efficiency | |
| efficiency in percent | 99 % |
| power loss [W] at rated output voltage for rated value of the output current typical | 10 W |
| Switch-off characteristic per output | |
| switching characteristic | |
| • of the excess current | $I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s |
| • of the current limitation | $I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 100 ms |
| • of the immediate switch-off | $I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 0.5 ms |
| residual current at switch-off typical | 1 mA |
| design of the reset device/resetting mechanism | via sensor per output |
| remote reset function | Non-electrically isolated 24 V input (signal level "high" at > 15 V) |
| Protection and monitoring | |
| fuse protection type at input | 15 A per output (not accessible) |
| display version for normal operation | Three-color LED per output: green LED for "Output switched through"; yellow LED for "Output switched off manually"; red LED for "Output switched off due to overcurrent" |
| design of the switching contact for signaling function | Common signal contact (changeover contact, rating 0.1 A/24 V DC) |
| Safety | |
| galvanic isolation between input and output at switch-off | No |
| standard for safety | according to EN 60950-1 and EN 50178 |
| operating resource protection class | Class III |

| | |
|---|--|
| protection class IP | IP20 |
| Approvals | |
| certificate of suitability | |
| • CE marking | Yes |
| • UL approval | Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 |
| • ATEX | No |
| certificate of suitability | |
| • IECEx | No |
| type of certification CB-certificate | Yes |
| certificate of suitability | |
| • EAC approval | Yes |
| • shipbuilding approval | Yes |
| shipbuilding approval | DNV GL, ABS |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • DNV GL | Yes |
| EMC | |
| standard | |
| • for emitted interference | EN 55022 Class B |
| • for interference immunity | EN 61000-6-2 |
| environmental conditions | |
| ambient temperature | |
| • during operation | -25 ... +60 °C; with natural convection |
| • during transport | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| environmental category according to IEC 60721 | climate class 3K3, 5 ... 95% without condensation |
| Mechanics | |
| type of electrical connection | screw-type terminals |
| • at input | +24 V: 2 screw terminals for 0.5 ... 16 mm ² ; 0 V: 2 screw terminals for 0.5 ... 4 mm ² |
| • at output | Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm ² |
| • for signaling contact | 3 screw terminals for 0.5 ... 4 mm ² |
| • for auxiliary contacts | Remote reset: 1 screw terminal for 0.5 ... 4 mm ² |
| width of the enclosure | 72 mm |
| height of the enclosure | 80 mm |
| depth of the enclosure | 72 mm |
| installation width | 72 mm |
| mounting height | 180 mm |
| required spacing | |
| • top | 50 mm |
| • bottom | 50 mm |
| • left | 0 mm |
| • right | 0 mm |
| net weight | 0.2 kg |
| fastening method | Snaps onto DIN rail EN 60715 35x7.5/15 |
| mechanical accessories | Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20 |
| MTBF at 40 °C | 540 979 h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |



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