

SITOP PSE200U SELECTIVITY MODULE 10A
SITOP PSE200U 10 A 4-channel selectivity module input: 24 V
DC/40 A output: 24 V DC/4x 10 A threshold adjustable 3-10 A with
common signaling contact



Figure similar

| 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 | Vin - approx. 0.2 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-dependent overload release | 3 ... 10 A |
| Type of response value setting | via potentiometer |
| Product feature / parallel switching of outputs | No |

| | |
|--|--|
| Product feature / bridging of equipments | Yes |
| 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 current / at rated output current / typical | 10 W |
| Switch-off characteristic per output | |
| Switching characteristic <ul style="list-style-type: none"> • of the excess current • of the current limitation • of the immediate switch-off | $I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s $I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 100 ms $I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 0.5 ms |
| 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 | |
| Overload protection type / for cables | 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 |
| Operating resource protection class | Class III |
| Certificate of suitability <ul style="list-style-type: none"> • CE marking • as approval for USA | Yes UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 |
| Standard / for safety | according to EN 60950-1 and EN 50178 |
| Certificate of suitability / relating to ATEX | IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus Class I, Div. 2, Group ABCD, T4 |
| Shipbuilding approval | GL, ABS |
| Protection class IP | IP20 |
| EMC | |
| Standard <ul style="list-style-type: none"> • for emitted interference • for interference immunity | EN 55022 Class B EN 61000-6-2 |
| Operating data | |
| Ambient temperature <ul style="list-style-type: none"> • during operation | 0 ... 60 °C |

| | |
|--|------------------------------------|
| — Note | with natural convection |
| • during transport | -40 ... +85 °C |
| • 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 ... 10 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 |
| Net weight | 0.2 kg |
| Mounting type | Snaps onto DIN rail EN 60715 35x7.5/15 |
| Mechanical accessories | Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20 |
| MTBF / at 40 °C | 540 979 h |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |