

SITOP PSE200U SELECTIVITY MODULE 10A
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



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 / for rated value of the 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 ... 1.5 x set value, switch-off after approx. 5 s I _{out} = 1.5 x set value, switch-off after typ. 100 ms I _{out} > set value and V _{in} < 20 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 |
| Certificate of suitability / UL approval | Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 |
| Standard / for explosion protection | IECEx (IEC 60079-0, -15); ATEX (EN 60079-0, -15); cCSAus (CSA C22.2 No. 213, No. 60079, ANSI/ISA 12.12.01, UL 60079) |
| Certificate of suitability / Shipbuilding approval | Yes |
| Shipbuilding approval | DNV GL, ABS |
| Marine classification association <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • DNV GL | Yes Yes |
| EMC | |

| | |
|--|--|
| Standard | |
| <ul style="list-style-type: none"> • for emitted interference • for interference immunity | EN 55022 Class B EN 61000-6-2 |
| environmental conditions | |
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation — Note • during transport • during storage | -25 ... +60 °C with natural convection -40 ... +85 °C -40 ... +85 °C |
| Environmental category / acc. to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |
| Mechanics | |
| Type of electrical connection | screw-type terminals |
| Type of electrical connection | screw-type terminals |
| <ul style="list-style-type: none"> • at input • at output • for signaling contact • for auxiliary contacts | +24 V: 2 screw terminals for 0.5 ... 16 mm ² ; 0 V: 2 screw terminals for 0.5 ... 4 mm ² Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm ² 3 screw terminals for 0.5 ... 4 mm ² 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, 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) |