

SITOP PSE200U SELECTIVITY MODULE 10A  
SITOP PSE200U 10 A SELECTIVITY MODULE 4-CHANNEL INPUT:  
24 V DC; OUTPUT: 24 V D/10 A PER EACH CHANNEL OUTPUT  
CURRENT ADJUSTABLE 3-10



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                                                                       |
| <b>Efficiency</b>                                                                                                                                                              |                                                                                                                                                                                                                                                               |
| Efficiency in percent                                                                                                                                                          | 99 %                                                                                                                                                                                                                                                          |
| Power loss [W] / at rated output current / at rated output current / typical                                                                                                   | 10 W                                                                                                                                                                                                                                                          |
| <b>Switch-off characteristic per output</b>                                                                                                                                    |                                                                                                                                                                                                                                                               |
| Switching characteristic <ul style="list-style-type: none"> <li>• of the excess current</li> <li>• of the current limitation</li> <li>• of the immediate switch-off</li> </ul> | $I_{out} = 1.0 \dots 1.5 \times \text{set value}$ , switch-off after approx. 5 s<br>$I_{out} = 1.5 \times \text{set value}$ , switch-off not before typ. 100 ms<br>$I_{out} > \text{set value}$ 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)                                                                                                                                                                                          |
| <b>Protection and monitoring</b>                                                                                                                                               |                                                                                                                                                                                                                                                               |
| 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)                                                                                                                                                                                              |
| <b>Safety</b>                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| 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"> <li>• CE marking</li> <li>• as approval for USA</li> </ul>                                                       | Yes<br>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                                                                                                                                                                                                                                                          |
| <b>EMC</b>                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
| Standard <ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>                                                     | EN 55022 Class B<br>EN 61000-6-2                                                                                                                                                                                                                              |
| <b>Operating data</b>                                                                                                                                                          |                                                                                                                                                                                                                                                               |
| Ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> </ul>                                                                                       | 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 <sup>2</sup> ; 0 V: 2 screw terminals for 0.5 ... 4 mm <sup>2</sup> |
| • at output                   | Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm <sup>2</sup>                                            |
| • for signaling contact       | 3 screw terminals for 0.5 ... 4 mm <sup>2</sup>                                                                |
| • for auxiliary contacts      | Remote reset: 1 screw terminal for 0.5 ... 4 mm <sup>2</sup>                                                   |
| 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<br>3RT1900-1SB20                                      |
| MTBF / at 40 °C               | 540 979 h                                                                                                      |
| Other information             | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)              |