



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   | <ul style="list-style-type: none"> <li>• of the excess current<br/>I<sub>out</sub> = 1.0 ... 1.5 x set value, switch-off after approx. 5 s</li> <li>• of the current limitation<br/>I<sub>out</sub> = 1.5 x set value, switch-off after typ. 100 ms</li> <li>• of the immediate switch-off<br/>I<sub>out</sub> &gt; set value and V<sub>in</sub> &lt; 20 V, switch-off after approx. 0.5 ms</li> </ul> |
| 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   |
| <b>Approvals</b>   |  |
| certificate of suitability   | Yes  |
| <ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> </ul>  | Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259   |
| <ul style="list-style-type: none"> <li>• ATEX</li> </ul>   | No   |
| certificate of suitability   | No   |
| <ul style="list-style-type: none"> <li>• IECEx</li> </ul>  | No   |
| certificate of suitability   | Yes  |
| <ul style="list-style-type: none"> <li>• EAC approval</li> <li>• shipbuilding approval</li> </ul>  | Yes  |
| shipbuilding approval  | DNV GL, ABS  |
| Marine classification association  | Yes  |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• DNV GL</li> </ul>                                  | Yes  |
| <b>EMC</b>   |  |
| standard   | EN 55022 Class B   |
| <ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>                                    | EN 61000-6-2   |
| <b>environmental conditions</b>  |  |
| ambient temperature  | -25 ... +60 °C; with natural convection  |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>                           | -40 ... +85 °C   |
| environmental category acc. to IEC 60721   | Climate class 3K3, 5 ... 95% no condensation   |
| <b>Mechanics</b>   |  |
| type of electrical connection  | screw-type terminals   |
| <ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for signaling contact</li> <li>• for auxiliary contacts</li> </ul> | +24 V: 2 screw terminals for 0.5 ... 16 mm <sup>2</sup> ; 0 V: 2 screw terminals for 0.5 ... 4 mm <sup>2</sup><br>Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm <sup>2</sup><br>3 screw terminals for 0.5 ... 4 mm <sup>2</sup><br>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   |
| required spacing   | 50 mm  |
| <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>   | 50 mm<br>50 mm<br>0 mm<br>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)  |

