



SITOP SEL1200/4X2-10A

SITOP SEL1200 10 A Selectivity module 4-channel with switching characteristic input: 24 V DC/40 A output: 24 V DC/4x 10 A threshold adjustable 2-10 A with monitoring interface \*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  | 20.4 ... 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      | 2 ... 10 A   |
| type of response value setting   | via potentiometer  |
| product feature / parallel switching of outputs  | Yes  |
| type of outputs connection   | Connection of all outputs after ramp-up of the supply voltage > 20 V; delay time of 25 ms, 200 ms, 500 ms or "load-optimized" can be set via DIP switch for sequential connection  |
| Efficiency   |  |
| efficiency in percent  | 98 %   |
| power loss [W] / at rated output voltage / for rated value of the output current / typical | 10 W   |
| Switch-off characteristic per output   |  |
| switching characteristic   | I <sub>out</sub> > 2.0 x set value, switch-off after approx. 30 ms, I <sub>out</sub> > 1.8 x set value, switch-off after approx. 0.1 s, I <sub>out</sub> > 1.5 x set value, switch-off after approx. 1 s, I <sub>out</sub> > 1.0 x set value, switch-off after approx. 5 s<br>I <sub>out</sub> > set value and V <sub>in</sub> < 20 V, switch-off after approx. 8 ms |
| • of the excess current<br><br>• of the immediate switch-off                               |  |
| 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  | 16 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                                   | Floating common signal contact or status signal output (pulse/pause signal that can be evaluated via SIMATIC function block)   |
| 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>• CSA approval</li> <li>• ATEX</li> </ul>   | Yes; CSA 22.2 60950-1<br>No   |
| certificate of suitability   | No  |
| <ul style="list-style-type: none"> <li>• IECEx</li> </ul>  | No  |
| <b>EMC</b>   |   |
| standard   |   |
| <ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>                                    | EN 61000-6-3<br>EN 61000-6-2  |
| <b>environmental conditions</b>  |   |
| ambient temperature  |   |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>                           | -25 ... +70 °C; with natural convection<br>-40 ... +85 °C<br>-40 ... +85 °C   |
| environmental category / acc. to IEC 60721   | Climate class 3K3, 5 ... 95% no condensation  |
| <b>Mechanics</b>   |   |
| type of electrical connection  | Push-in   |
| <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> | 24V1, 24V2: push-in for 0.5 ... 16 mm <sup>2</sup> ; 0V1, 0V2: push-in for 0.5 ... 4 mm <sup>2</sup><br>1 - 4: push-in for 0.5 ... 4 mm <sup>2</sup><br>13, 14: push-in for 0.2 ... 1.5 mm <sup>2</sup><br>RST: push-in for 0.2 ... 1.5 mm <sup>2</sup> |
| width / of the enclosure   | 45 mm   |
| height / of the enclosure  | 135 mm  |
| depth / of the enclosure   | 125 mm  |
| installation width   | 45 mm   |
| mounting height  | 225 mm  |
| required spacing   |   |
| <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>   | 45 mm<br>45 mm<br>0 mm<br>0 mm  |
| net weight   | 0.3 kg  |
| fastening method   | Snaps onto DIN rail EN 60715 35x7.5/15  |
| other information  | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)   |

