



SITOP SEL1400/4X2-10A

SITOP SEL1400 10 A Selectivity module 4-channel with limiting 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 <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 |
| 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 | 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 |
| Approvals | |
| certificate of suitability | Yes |
| <ul style="list-style-type: none"> • CE marking • UL approval | 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"> • CSA approval • ATEX | Yes; CSA 22.2 60950-1 No |
| certificate of suitability | No |
| <ul style="list-style-type: none"> • IECEx | No |
| EMC | |
| standard | |
| <ul style="list-style-type: none"> • for emitted interference • for interference immunity | EN 61000-6-3 EN 61000-6-2 |
| environmental conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during transport • during storage | -25 ... +70 °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 | Push-in |
| <ul style="list-style-type: none"> • at input • at output • for signaling contact • for auxiliary contacts | 24V1, 24V2: push-in for 0.5 ... 16 mm ² ; 0V1, 0V2: push-in for 0.5 ... 4 mm ² 1 - 4: push-in for 0.5 ... 4 mm ² 13, 14: push-in for 0.2 ... 1.5 mm ² RST: push-in for 0.2 ... 1.5 mm ² |
| 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"> • top • bottom • left • right | 45 mm 45 mm 0 mm 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) |

