

SITOP SEL1200 SELEKTIVITY MODUL 4* 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 value adjustable 2-10 A With monitoring interface



| 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 |
| Overtoltage 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 pick-up value current / of the current-dependent overload release | 2 ... 10 A |
| Type of response value setting | via potentiometer |
| Product feature | |
| <ul style="list-style-type: none"> • parallel switching of outputs • bridging of equipments | <p>Yes</p> <p>No</p> |

| | |
|----------------------------|---|
| 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 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 | <p>$I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s</p> <p>$I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 1 s</p> <p>$I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 8 ms</p> |
| 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

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|--|--|
| 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 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 | <ul style="list-style-type: none"> • CE marking • UL approval • CSA-approval • ATEX | <p>Yes</p> <p>Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259</p> <p>Yes; CSA 22.2 60950-1</p> <p>Yes; IECEx Ex ec IIC T4 Gc; ATEX (EX) II 3G Ex ec IIC T4 Gc; cCSAus Class I, Div. 2, Group ABCD, T4</p> |
| Certificate of suitability | <ul style="list-style-type: none"> • IECEx | Yes |

EMC

| | | |
|----------|---|---|
| Standard | <ul style="list-style-type: none"> • for emitted interference • for interference immunity | <p>EN 61000-6-3</p> <p>EN 61000-6-2</p> |
|----------|---|---|

environmental conditions

| | |
|--|--|
| Ambient temperature | |
| <ul style="list-style-type: none"> during operation during transport during storage | <p>-25 ... +70 °C; with natural convection</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> |
| 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 | <p>24V1, 24V2: push-in for 0.5 ... 16 mm²; 0V1, 0V2: push-in for 0.5 ... 4 mm²</p> <p>1 - 4: push-in for 0.5 ... 4 mm²</p> <p>13, 14: push-in for 0.2 ... 1.5 mm²</p> <p>RST: push-in for 0.2 ... 1.5 mm²</p> |
| 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 | <p>45 mm</p> <p>45 mm</p> <p>0 mm</p> <p>0 mm</p> |
| Net weight | 0.3 kg |
| Mounting type | Snaps onto DIN rail EN 60715 35x7.5/15 |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |