

SITOP SEL1200 SELECTIVITY MODULE 8 *10A
 SITOP SEL1200 Selectivity module 8-channel switching
 characteristic Input: 24 V DC/60 A output: 24 V DC/8 x 10 A Level
 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 | 60 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 | 8 |
| 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 | |
| • parallel switching of outputs | Yes |
| • bridging of equipments | No |

| | |
|--|---|
| 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 | 18 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. 1 s I _{out} > set value and V _{in} < 20 V, switch-off after approx. 8 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 | 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 | Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 Yes; CSA 22.2 60950-1 Yes; IECEx Ex ec IIC T4 Gc; ATEX (EX) II 3G Ex ec IIC T4 Gc; cCSAus Class I, Div. 2, Group ABCD, T4 |
| 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 | EN 61000-6-3 EN 61000-6-2 |

environmental conditions

| | |
|--|--|
| Ambient temperature | |
| • during operation | -25 ... +70 °C; with natural convection |
| • during transport | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| Environmental category / acc. to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |

Mechanics

| | |
|-------------------------------|--|
| Type of electrical connection | Push-in |
| • at input | 24V1, 24V2: push-in for 0.5 ... 16 mm ² ; 0V1, 0V2: push-in for 0.5 ... 4 mm ² |
| • at output | 1 - 8: push-in for 0.5 ... 4 mm ² |
| • for signaling contact | 13, 14: push-in for 0.2 ... 1.5 mm ² |
| • for auxiliary contacts | 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 | |
| • top | 45 mm |
| • bottom | 45 mm |
| • left | 0 mm |
| • right | 0 mm |
| Net weight | 0.3 kg |
| Mounting type | Snaps onto DIN rail EN 60715 35x7.5/15 |
| MTBF / at 40 °C | 925 000 h |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |