



SITOP SEL1400/8X1-5A

SITOP SEL1400 5 A Selectivity module 8-channel with limiting characteristic Input: 24 V DC/40 A Output: 24 V DC/8x 5 A Threshold adjustable 1-5 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                                                                                                                                                                     |
| 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                                                                          | 8                                                                                                                                                                                 |
| output current / up to 60 °C / per output / rated value                                    | 5 A                                                                                                                                                                               |
| adjustable current response value current / of the current-dependent overload release      | 1 ... 5 A                                                                                                                                                                         |
| type of response value setting                                                             | via potentiometer                                                                                                                                                                 |
| product feature                                                                            |                                                                                                                                                                                   |
| • parallel switching of outputs                                                            | Yes                                                                                                                                                                               |
| • bridging of equipment                                                                    | 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 voltage / for rated value of the output current / typical | 10 W                                                                                                                                                                              |
| Switch-off characteristic per output                                                       |                                                                                                                                                                                   |
| switching characteristic                                                                   |                                                                                                                                                                                   |
| • of the excess current                                                                    | $I_{out} = 1.0 \dots 1.5 \times \text{set value}$ , switch-off after approx. 5 s                                                                                                  |
| • of the current limitation                                                                | $I_{out} = 1.5 \times \text{set value}$ , switch-off after typ. 100 ms                                                                                                            |
| • of the immediate switch-off                                                              | $I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$ , 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                                                            | 8 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 <ul style="list-style-type: none"><li>• CE marking</li><li>• UL approval</li></ul>                                                                 | Yes<br>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                                                                                                                                                                                 |
| certificate of suitability <ul style="list-style-type: none"><li>• IECEx</li></ul>                                                                                            | No                                                                                                                                                                                                    |
| EMC                                                                                                                                                                           |                                                                                                                                                                                                       |
| 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                                                                                                                                                                          |
| environmental conditions                                                                                                                                                      |                                                                                                                                                                                                       |
| 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                                                                                                                                                          |
| Mechanics                                                                                                                                                                     |                                                                                                                                                                                                       |
| type of electrical connection <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> | Push-in<br>24V1, 24V2: push-in for 0.5 ... 16 mm²; 0V1, 0V2: push-in for 0.5 ... 4 mm²<br>1 - 8: push-in for 0.5 ... 4 mm²<br>13, 14: push-in for 0.2 ... 1.5 mm²<br>RST: push-in for 0.2 ... 1.5 mm² |
| 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)                                                                                                     |

