

SITOP SEL1400 SELECTIVITY MODULE 8\* 10A  
 SITOP SEL1400 10 A Selectivity module 8-channel with limiting characteristic Input: 24 V DC/60 A output: 24 V DC/8x 10 A  
 Threshold 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	22 ... 30 V
Oversvoltage 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	$V_{in} - \text{approx. } 0.2 \text{ V}$
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	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
Product feature / 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
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### Efficiency

Efficiency in percent	97 %
Power loss [W] / at rated output current / for rated value of the output current / typical	15 W

### Switch-off characteristic per output

Switching characteristic	<ul style="list-style-type: none"> <li>• of the excess current</li> <li>• of the current limitation</li> <li>• of the immediate switch-off</li> </ul>	<p><math>I_{out} = 1.0 \dots 1.5 \times \text{set value}</math>, switch-off after approx. 5 s</p> <p><math>I_{out} = 1.5 \times \text{set value}</math>, switch-off after typ. 100 ms</p> <p><math>I_{out} &gt; \text{set value}</math> and <math>V_{in} &lt; 20 \text{ V}</math>, switch-off after approx. 0.5 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

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"; orange 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 / CE marking	Yes
Certificate of suitability / UL approval	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
Certificate of suitability / CSA-approval	Yes; CSA 22.2 60950-1

### EMC

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

### environmental conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>— Note</li> <li>• during transport</li> </ul>	<p>-25 ... +60 °C</p> <p>with natural convection; +60 ... +70 °C: Derating 2%/K</p> <p>-40 ... +85 °C</p>

• 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
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• at input	24V1, 24V2: push-in for 0.75 ... 16 mm <sup>2</sup> ; 0V1, 0V2: push-in for 0.2 ... 4 mm <sup>2</sup>
• at output	1 - 8: push-in for 0.2 ... 4 mm <sup>2</sup>
• for signaling contact	13, 14: push-in for 0.2 ... 1.5 mm <sup>2</sup>
• for auxiliary contacts	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
Net weight	0.5 kg
Mounting type	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF / at 40 °C	363 000 h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)