

Siemens  
EcoTech



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



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; +60 ... +70 °C: Derating 2%/K
adjustable current response value current of the current-dependent overload release	2 ... 10 A
type of response value setting	via potentiometer
response delay maximum	5 s
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	
switching characteristic	<ul style="list-style-type: none"> <li>of the excess current  <math>I_{out} = 1.0 \dots 1.5 \times \text{set value}</math>, switch-off after approx. 5 s</li> <li>of the current limitation  <math>I_{out} = 1.5 \times \text{set value}</math>, switch-off after typ. 100 ms</li> <li>of the immediate switch-off  <math>I_{out} &gt; \text{set value}</math> and <math>V_{in} &lt; 20 \text{ V}</math>, switch-off after approx. 0.5 ms</li> </ul>
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
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	EN 61000-6-3 EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> <li>• CSA approval</li> <li>• EAC approval</li> </ul>	Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 Yes; CSA C22.2 60950-1 Yes
type of certification	
<ul style="list-style-type: none"> <li>• CB-certificate</li> </ul>	Yes
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEx</li> <li>• ATEX</li> </ul>	No No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	No
<b>standards, specifications, approvals Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
<ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>	565 kg 32.5 kg 532 kg 0.52 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	-40 ... +70; with natural convection -40 ... +85 -40 ... +85
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>connection method</b>	
type of electrical connection	Push-in
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for auxiliary contacts</li> <li>• for signaling contact</li> </ul>	24V1, 24V2: push-in for 0.5 ... 16 mm <sup>2</sup> ; 0V1, 0V2: push-in for 0.5 ... 4 mm <sup>2</sup> Output 1 ... 4: push-in for 0.5 ... 4 mm <sup>2</sup> RST: push-in for 0.2 ... 1.5 mm <sup>2</sup> 13, 14: push-in for 0.2 ... 1.5 mm <sup>2</sup>
<b>mechanical data</b>	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 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 45 mm 0 mm 0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> <li>• standard rail mounting</li> <li>• S7 rail mounting</li> <li>• wall mounting</li> </ul>	Yes No No
housing can be lined up	Yes
net weight	0.3 kg
<b>further information internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>

- to web page: power supplies
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://siemens.com/sitop>  
<https://siemens.com/cax>  
<https://support.industry.siemens.com>

**additional information**

other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

**security information**

security information

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**Classifications**

	Version	Classification
eClass	14	27-37-18-02
eClass	12	27-37-18-02
eClass	9.1	27-37-18-02
eClass	9	27-37-18-02
eClass	8	27-37-18-02
eClass	7.1	27-37-18-02
eClass	6	27-37-18-02
ETIM	9	EC001440
ETIM	8	EC001440
ETIM	7	EC001440
IDEA	4	4727
UNSPSC	15	39-12-15-21

**Approvals Certificates**

**General Product Approval**



[Manufacturer Declaration](#)

[Declaration of Conformity](#)



**General Product Approval**

**Environment**



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11/25/2024