



SITOP SEL1400/8X2-10A/EX

SITOP SEL1400 EX 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	20.4 ... 30 V
overvoltage 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 current response 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
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	18 W
Switch-off characteristic per output	
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

Approvals	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> <li>• CSA approval</li> <li>• ATEX</li> </ul>	Yes No No Yes; IECEx Ex ec IIC T4 Gc; ATEX (EX) II 3G Ex ec IIC T4 Gc
certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	Yes; IECEx Ex ec IIC T4 Gc; ATEX (EX) II 3G Ex ec IIC T4 Gc
type of certification CB-certificate	Yes
certificate of suitability	
<ul style="list-style-type: none"> <li>• EAC approval</li> </ul>	Yes
EMC	
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
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 -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	climate class 3K3, 5 ... 95% without condensation
Mechanics	
type of electrical connection	Push-in
<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>	24V1, 24V2: push-in for 0.5 ... 16 mm <sup>2</sup> ; 0V1, 0V2: push-in for 0.5 ... 4 mm <sup>2</sup> 1 - 8: push-in for 0.5 ... 4 mm <sup>2</sup> 13, 14: push-in for 0.2 ... 1.5 mm <sup>2</sup> 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
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
net weight	0.3 kg
fastening method	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)

