



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 *Ex approval no longer available*

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; +60 ... +70 °C: Derating 2%/K
Adjustable output current	1 ... 5 A
type of response value setting	via potentiometer
response delay maximum	5 s; with load-optimized switch-on of all 8 channels
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
power loss	
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"> • 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

standard	
<ul style="list-style-type: none"> • for emitted interference • for interference immunity 	<p>EN 61000-6-3</p> <p>EN 61000-6-2</p>
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • UL approval 	<p>Yes</p> <p>Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259</p>
<ul style="list-style-type: none"> • CSA approval • EAC approval 	<p>Yes; CSA C22.2 60950-1</p> <p>Yes</p>
type of certification	
<ul style="list-style-type: none"> • CB-certificate 	Yes
standards, specifications, approvals hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • IECEx • ATEX 	<p>No</p> <p>No</p>
standards, specifications, approvals marine classification	
shipbuilding approval	No
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
<ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life 	<p>326.5 kg</p> <p>32.5 kg</p> <p>0 kg</p> <p>0.52 kg</p>
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during transport • during storage 	<p>-40 ... +70 °C; with natural convection</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
mechanical data	
type of electrical connection	Push-in
<ul style="list-style-type: none"> • at input • at output • for auxiliary contacts • for signaling contact 	<p>24V1, 24V2: push-in for 0.5 ... 16 mm²; 0V1, 0V2: push-in for 0.5 ... 4 mm²</p> <p>1 - 8: push-in for 0.5 ... 4 mm²</p> <p>RST: push-in for 0.2 ... 1.5 mm²</p> <p>13, 14: push-in for 0.2 ... 1.5 mm²</p>
design, dimensions and weights	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 × 225 mm
required spacing	
<ul style="list-style-type: none"> • top • bottom • left • right 	<p>45 mm</p> <p>45 mm</p> <p>0 mm</p> <p>0 mm</p>
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> • standard rail mounting • S7 rail mounting • wall mounting 	<p>Yes</p> <p>No</p> <p>No</p>
housing can be lined up	Yes
net weight	0.3 kg
further information internet links	
internet link	
<ul style="list-style-type: none"> • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: CAX-Download-Manager • to website: Industry Online Support 	<p>https://mall.industry.siemens.com</p> <p>https://siemens.com/tst</p> <p>http://www.siemens.com/simatic-net</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

security information

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Classifications

	Version	Classification
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

For use in hazardous locations



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