



SITOP SEL1200/8X2-10A/EX

SITOP SEL1200 EX 10A selectivity module 8-channel switching characteristic
input: 24 V DC/60 A output: 24 V DC/8 x 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; +60 ... +70 °C: Derating 2%/K
Adjustable output current	2 ... 10 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	18 W
switch-off characteristic	
switching characteristic	
• of the excess current	$I_{out} > 2.0 \times \text{set value}$, switch-off after approx. 30 ms, $I_{out} > 1.8 \times \text{set value}$, switch-off after approx. 0.1 s, $I_{out} > 1.5 \times \text{set value}$, switch-off after approx. 1 s, $I_{out} > 1.0 \times \text{set value}$, switch-off after approx. 5 s
• of the immediate switch-off	$I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 8 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	16 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 	EN 61000-6-3 EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • UL approval • CSA approval • UKCA marking • EAC approval 	Yes Yes; UR (UL 2367) File E328600; cULus-listed (UL 508, CSA C22.2 No. 107.1) File E197259 Yes; CSA C22.2 62368-1 Yes Yes
type of certification	
<ul style="list-style-type: none"> • CB-certificate 	Yes
MTBF at 40 °C	925 000 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • IECEx • ATEX • ULhazloc approval • cCSAus, Class 1, Division 2 	Yes; IECEx Ex ec IIC T4 Gc Yes; ATEX (Ex) II 3G Ex ec IIC T4 Gc Yes Yes
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 	576.9 kg 18.1 kg 312.9 kg 0.29 kg
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during transport • during storage 	-40 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection	Push-in
<ul style="list-style-type: none"> • at input • at output • for auxiliary contacts • for signaling contact 	24V1, 24V2: push-in for 0.5 ... 16 mm ² ; 0V1, 0V2: push-in for 0.5 ... 4 mm ² Output 1 ... 8: push-in for 0.5 ... 4 mm ² RST: push-in for 0.2 ... 1.5 mm ² 13, 14: push-in for 0.2 ... 1.5 mm ²
mechanical data	
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 	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"> • standard rail mounting • S7 rail mounting • wall mounting 	Yes No No
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 	https://mall.industry.siemens.com https://siemens.com/tst

- to website: Industrial communication
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/simatic-net>
<http://www.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

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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](#)



EG-Konf.



General Product Approval

For use in hazardous locations



IECEX



[CCC-Ex](#)

For use in hazardous locations



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