



SITOP SEL1200/48V/4X1-10A

SITOP SEL1200 48 V 10 A selectivity module 4-channel with switching characteristic input: 48 V DC/40 A output: 48 V DC/4x 10 A threshold value adjustable 1-10 A with monitoring interface

Input	
type of the power supply network	Controlled DC voltage
supply voltage at DC rated value	48 V
input voltage at DC	40 ... 56 V
overvoltage overload capability	60 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
adjustable current response value current of the current-dependent overload release	1 ... 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 > 31 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	99 %
power loss [W] at rated output voltage for rated value of the output current typical	10 W
Switch-off characteristic per output	
switching characteristic	- 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 $V_{in} < 38 \text{ V}$, switch-off after approx. 0.5 ms
design of the reset device/resetting mechanism	via sensor per output
remote reset function	Non-electrically isolated 24/48 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 62368-1
operating resource protection class	Class III
protection class IP	IP20

Approvals	
certificate of suitability	
• CE marking • UL approval • CSA approval • ATEX	Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 Yes; CSA 22.2 62368-1 No
certificate of suitability	
• IECEx	No
type of certification CB-certificate	Yes
certificate of suitability	
• EAC approval	Yes
EMC	
standard	
• for emitted interference • for interference immunity	EN 61000-6-3 EN 61000-6-2
environmental conditions	
ambient temperature	
• during operation • during transport • during storage	-25 ... +60 °C; with natural convection; +60 ... +70 °C: Derating 3%/K -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
• at input • at output • for signaling contact • for auxiliary contacts	24V1, 24V2: push-in for 0.5 ... 16 mm ² ; 0V1, 0V2: push-in for 0.5 ... 4 mm ² 1 - 4: push-in for 0.5 ... 4 mm ² 13, 14: push-in for 0.2 ... 1.5 mm ² RST: push-in for 0.2 ... 1.5 mm ²
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	
• top • bottom • left • right	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	595 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

