SIEMENS

Data sheet 6EP4438-7FB00-3DX0

SITOP SEL1200/8X2-10A

SITOP SEL1200 Selectivity module 8-channel switching characteristic Input: 24 V DC/60 A output: 24 V DC/8 x 10 A Level 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	Vin - approx. 0.2 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
● bridging of equipment	No
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	
● of the excess current	Iout > 2.0 x set value, switch-off after approx. 30 ms, Iout > 1.8 x set value, switch-off after approx. 0.1 s, Iout > 1.5 x set value, switch-off after approx. 1 s, Iout > 1.0 x set value, switch-off after approx. 5 s
● of the immediate switch-off	Iout > set value and Vin < 20 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
Approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
● CSA approval	Yes; CSA 22.2 60950-1
● ATEX	Yes; IECEx Ex ec IIC T4 Gc; ATEX (EX) II 3G Ex ec IIC T4 Gc
certificate of suitability	
● IECEx	Yes
EMC	
standard	
● for emitted interference	EN 61000-6-3
● for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
● during operation	-25 ... +70 °C; with natural convection
● during transport	-40 ... +85 °C
● during storage	-40 ... +85 °C
environmental category / acc. to IEC 60721	Climate class 3K3, 5 … 95% no condensation
Mechanics	
type of electrical connection	Push-in
● at input	24V1, 24V2: push-in for 0.5 ... 16 mm²; 0V1, 0V2: push-in for 0.5 ... 4 mm²
● at output	1 - 8: push-in for 0.5 ... 4 mm²
● for signaling contact	13, 14: push-in for 0.2 ... 1.5 mm²
● for auxiliary contacts	RST: push-in for 0.2 ... 1.5 mm²
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	45 mm
● bottom	45 mm
● left	0 mm
● right	0 mm
net weight	0.3 kg
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF / at 40 °C	925 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)