

SITOP SEL1200 SELECTIVITY MODULE 8 *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 pick-up 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 equipments	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 current / for rated value of the output current / typical	18 W
Switch-off characteristic per output	
switching characteristic • of the excess current • of the current limitation • of the immediate switch-off	I _{out} = 1.0 ... 1.5 x set value, switch-off after approx. 5 s I _{out} = 1.5 x set value, switch-off after typ. 1 s I _{out} > set value and V _{in} < 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 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 • 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 60950-1 Yes; IECEx Ex ec IIC T4 Gc; ATEX (EX) II 3G Ex ec IIC T4 Gc; cCSAus Class I, Div. 2, Group ABCD, T4
certificate of suitability • IECEx	Yes
EMC	
standard • for emitted interference • for interference immunity	EN 61000-6-3 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 mm ² ; 0V1, 0V2: push-in for 0.5 ... 4 mm ²
• at output	1 - 8: push-in for 0.5 ... 4 mm ²
• for signaling contact	13, 14: push-in for 0.2 ... 1.5 mm ²
• for auxiliary contacts	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	45 mm
• bottom	45 mm
• left	0 mm
• right	0 mm
net weight	0.3 kg
mounting type	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)