SITOP SEL1200

Product Data Sheet

6EP4438-7FB00-3DX0

SITOP SEL1200 Eight-Channel Selectivity Module

NOMINAL INPUT	INPUT VOLTAGE RANGE	RATED TOTAL INPUT CURRENT	OUTPUT CHANNELS
24 V DC	**20.4 to 30 V DC**	**60 A**	**8**

Siemens 6EP4438-7FB00-3DX0 is a SITOP SEL1200 selectivity module that divides a regulated 24 V DC supply into eight protected output channels. Each channel has an adjustable 2 to 10 A response threshold, with a 60 A rated total input. The output voltage follows the input minus approximately 0.2 V.

01 TECHNICAL DATA

Nominal input	24 V DC
Input voltage range	20.4 to 30 V DC
Rated total input current	60 A
Output channels	8
Rated current per channel	10 A up to 60 degrees C
Adjustable trip threshold	2 to 10 A
Output voltage relationship	Input voltage minus approximately 0.2 V
Sequential-start selections	25 ms / 200 ms / 500 ms / load-optimized
Typical efficiency	98%
Typical power loss	18 W

02 ADDITIONAL PRODUCT DATA

Trip above twice the set current	Approximately 30 ms
Undervoltage immediate trip	Approximately 8 ms when input below 20 V and current above setting
Remote-reset high level	Above 15 V
Protection class	Class III / IP20
Off-state input-output isolation	No galvanic isolation

03 PRODUCT FUNCTION

Sequential connection can be set to 25 ms, 200 ms, 500 ms or a load-optimized mode. Each channel has three-color status indication, with remote reset and a common status interface. The switching characteristic disconnects overloads according to the current multiple; switching off a channel does not provide galvanic input-output isolation.

04 SYSTEM COMPATIBILITY

Set each channel threshold between 2 and 10 A, then choose the sequential-start delay appropriate to the loads. The selectable 25 ms, 200 ms, 500 ms and load-optimized modes control branch connection after the supply has risen above the documented start level.

05 REFERENCE

Siemens 6EP4438-7FB00-3DX0 official product data; applicable specification pages.

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