

*** SPARE PART*** SIMATIC S7-300, FM 351 POSITIONING
MODULE FOR RAPID/ CREEP FEED DRIVE INCL. CONFIG.
PACKAGE ON CD

Supply voltage	
Rated value (DC)	24 V
Input current	
Current consumption, max.	350 mA
Encoder supply	
5 V encoder supply	
• 5 V	Yes
• Output current, max.	350 mA
• Cable length, max.	32 m
24 V encoder supply	
• 24 V	Yes
• Output current, max.	400 mA; Per channel
• Cable length, max.	100 m
Digital inputs	
Number of digital inputs	8
Functions	Reference cams, reversing cams, flying actual value setting, start/stop positioning
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	+11 to +30V
Input current	
• for signal "0", max. (permissible quiescent current)	2 mA
• for signal "1", typ.	6 mA
Digital outputs	
Number of digital outputs	8
Functions	Rapid traverse, creep, run right, run left
Short-circuit protection	Yes
Output voltage	
• Rated value (DC)	24 V
• for signal "1", min.	UP - 0.8 V
Output current	

- for signal "1" permissible range for 0 to 60 °C, min.
- for signal "1" permissible range for 0 to 60 °C, max.
- for signal "0" residual current, max.

5 mA; with UPmax

600 mA; with UPmax

0.5 mA

Encoder

Connectable encoders

- Incremental encoder (symmetrical) Yes
- Incremental encoder (asymmetrical) Yes
- Absolute encoder (SSI) Yes
- 2-wire sensor Yes
 - permissible quiescent current (2-wire sensor), max. 2 mA; on signal "0", max. 2 mA; on signal "1", max. 6 mA

Encoder signals, incremental encoder (symmetrical)

- Trace mark signals A, notA, B, notB
- Zero mark signal N, notN
- Input voltage 5 V difference signal (phys. RS 422)
- Input frequency, max. 0.5 MHz

Encoder signals, incremental encoder (asymmetrical)

- Trace mark signals A, B
- Zero mark signal N
- Input voltage 24 V
- Input frequency, max. 50 kHz; 50 kHz for 25 m cable length; 25 kHz for 100 m cable length

Encoder signals, absolute encoder (SSI)

- Input signal 5 V difference signal (phys. RS 422)
- Data signal DATA, notDATA
- Clock signal CL, notCL
- Telegram length, parameterizable 13 or 25 bit
- Clock frequency, max. 1 MHz
- Gray code 1
- Cable length, shielded, max. 300 m; at max. 125 kHz

Potential separation

Potential separation digital inputs

- Potential separation digital inputs Yes

Potential separation digital outputs

- Potential separation digital outputs Yes

Degree and class of protection

- Degree of protection acc. to EN 60529 IP20

Ambient conditions

- Ambient temperature during operation

- min. 0 °C
- max. 60 °C

Ambient temperature during storage/transportation

- min. -40 °C
- max. 70 °C

Connection method

required front connector 1x 20-pin

Dimensions

Width 80 mm

Height 125 mm

Depth 120 mm

Weights

Weight, approx. 550 g

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