

*** 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 DC

Yes

Input current

Current consumption, max.

350 mA

Encoder supply

5 V encoder supply

- 5 V
- Output current, max.
- Cable length, max.

Yes

350 mA

32 m

24 V encoder supply

- 24 V
- Output current, max.
- Cable length, max.

Yes

400 mA; Per channel

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)
- for signal "0"
- for signal "1"

24 V

-3 to +5V

+11 to +30V

Input current

- for signal "0", max. (permissible quiescent current)
- for signal "1", typ.

2 mA

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)
- for signal "1", min.

24 V

UP - 0.8 V

Output current	
• for signal "1" permissible range for 0 to 60 °C, min.	5 mA; with UPmax
• for signal "1" permissible range for 0 to 60 °C, max.	600 mA; with UPmax
• for signal "0" residual current, max.	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
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Potential separation digital outputs

• Potential separation digital outputs	Yes
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Degree and class of protection

Degree of protection acc. to EN 60529	
• IP20	Yes

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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