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6ES7353-1AH01-0AE0 (EAN: 4019169390057)

Positioning control FM 353 (FM step)

Product details | Technical data | Successor product

Technical data



(https://www.automation.siemens.com/bilddb/index.aspx?objKey=P_ST70_XX_04291)

SIMATIC S7-300, FUNCTION MODULE FM 353, FOR POSITIONING WITH STEPPER MOTOR, MODULE EXCHANGE W/O PG, PREQUISITE STEP7 V3.1 INCL. CONFIG. PACKAGE ON CD

Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption, max.	300 mA
Power loss	
Power loss, typ.	7 W
Digital inputs	
Number of digital inputs	4; + 1 input for message signal
Functions	Reference cams, flying actual value setting, flying measurement, start/stop positioning, external block change
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; 6 to 15 mA
Digital outputs	
Number of digital outputs	4
Functions	Position reached: stop, axis travels forward, axis travels back, change M-function M97, change M-function M98, start enable, direct output via data record
Short-circuit protection	Yes
Output voltage	
● Rated value (DC)	24 V
● for signal "1", min.	UP -3 V
Output current	
● for signal "1" permissible range for 0 to 55 °C, max.	0.6 A; with UPmax
● for signal "0" residual current, max.	2 mA
Drive interface	
Signal Input	
● Function	"Power section ready"
Stepper drive	
● Differential output voltage, min.	2 V; RL = 100 Ohm
● Differential output voltage for signal "0", max.	1 V; Io = 20 mA
● Differential output voltage for signal "1", min.	3.7 V; Io = -20 mA
● Cable length, shielded, max.	35 m
Potential separation	
Potential separation digital inputs	
● Potential separation digital inputs	No
Potential separation digital outputs	
● Potential separation digital outputs	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	55 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
● max.	70 °C
Dimensions	
Width	80 mm
Height	125 mm
Depth	118 mm

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Weights	Digital ID (http://www.siemens.com/digital_id_en) 0.0.0.0
Weight, approx.	500 g
last modified:	8/6/2021

Technical data for the product is also available in the following languages:
- German
- French
- Italian
- Spanish
- Chinese
- Russian
- Japanese

Requests and feedback

What do you want to do?

- You have a technical question / problem: Ask the Technical Support
  - Create support request
- You want to discuss in our forum and exchange experiences with other users
  - Go to the Forum (/tf/ww/en)
- You want to create CAx data for one or more products
  - Go to the CAx download manager
- You would like to send us feedback on this Product
  - Provide feedback

  Note: The feedback always refers to the current product. Your message will be sent to the editors in the online support. You will receive an answer from us in a few days if your feedback requires it. If everything is clear to us, we will no longer answer you.

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