

SIEMENS

Product data sheet

6ES7353-1AH01-0AE0


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

Supply voltage

24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V

Input current

Current consumption, max.	300 mA
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Digital inputs

Number/binary 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 +5 V
for signal "1"	11 to 30 V

Input current

for signal "0", max. (permissible quiescent current)	2 mA
for signal "1", typ.	6 mA ; 6 to 15 mA
Digital outputs	
Number/binary 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
Functionality/short-circuit strength	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 I	
Function	"Power section ready"
Signal output I	
Type	5 V difference signal (phys. RS 422)
Function	Direction , enable, clock pulse, current control
Differential output voltage, min.	2 V ; RL = 100 Ohm
Differential output voltage for signal "0", max.	1 V ; I _o = 20 mA
Differential output voltage, for signal "1", min.	3.7 V ; I _o = -20 mA
Cable length, max.	35 m
Galvanic isolation	
Galvanic isolation digital inputs	
Galvanic isolation digital inputs	No
Galvanic isolation digital outputs	
Galvanic isolation digital outputs	No
Degree and class of protection	
IP20	Yes
Ambient conditions	

Operating temperature	
Min.	0 °C
max.	55 °C
Storage/transport temperature	
Min.	-40 °C
max.	70 °C
Relative humidity	
Humidity class F	Yes
Connection method	
required front connector	1x 20-pin
Dimensions	
Width	80 mm
Height	125 mm
Depth	118 mm
Weight	
Weight, approx.	500 g
Status	Jul 17, 2012