

SIMATIC S7-300, positioning module FM 351 for rapid/slow traverse
Drives incl. configuration package on CD

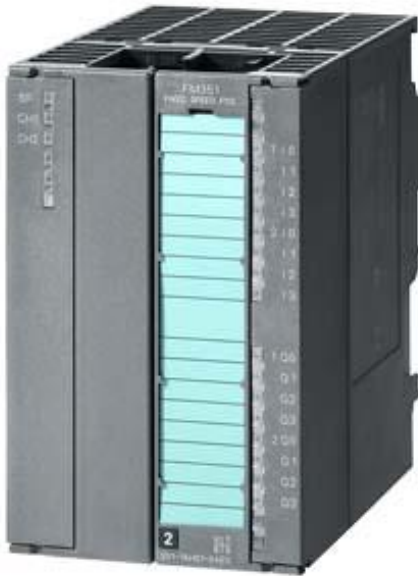


Figure similar

Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Load voltage L+	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> permissible range, lower limit (DC) 	20.4 V
<ul style="list-style-type: none"> permissible range, upper limit (DC) 	28.8 V
Input current	
Current consumption, max.	350 mA
from backplane bus 5 V DC, max.	150 mA
Encoder supply	
5 V encoder supply	
<ul style="list-style-type: none"> 5 V 	Yes
<ul style="list-style-type: none"> Output current, max. 	350 mA
<ul style="list-style-type: none"> Cable length, max. 	32 m

24 V encoder supply	
<ul style="list-style-type: none"> • 24 V • Output current, max. • Cable length, max. 	<p>Yes</p> <p>400 mA; Per channel</p> <p>100 m</p>
Power loss	
Power loss, typ.	7.9 W
Digital inputs	
Number of digital inputs	8
Functions	Reference cams, reversing cams, flying actual value setting, start/stop positioning
Input voltage	
<ul style="list-style-type: none"> • Rated value (DC) • for signal "0" • for signal "1" 	<p>24 V</p> <p>-3 to +5V</p> <p>+11 to +30V</p>
Input current	
<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 	<p>2 mA</p> <p>6 mA</p>
Digital outputs	
Number of digital outputs	8
Functions	Rapid traverse, creep, run right, run left
Short-circuit protection	Yes
Output voltage	
<ul style="list-style-type: none"> • Rated value (DC) • for signal "1", min. 	<p>24 V</p> <p>UP - 0.8 V</p>
Output current	
<ul style="list-style-type: none"> • 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. 	<p>5 mA; with UPmax</p> <p>600 mA; with UPmax</p> <p>0.5 mA</p>
Encoder	
Connectable encoders	
<ul style="list-style-type: none"> • Incremental encoder (symmetrical) • Incremental encoder (asymmetrical) • Absolute encoder (SSI) • 2-wire sensor <ul style="list-style-type: none"> — permissible quiescent current (2-wire sensor), max. 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>2 mA; on signal "0", max. 2 mA; on signal "1", max. 6 mA</p>
Encoder signals, incremental encoder (symmetrical)	
<ul style="list-style-type: none"> • 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.	1.5 MHz
• Gray code	Yes
• Cable length, shielded, max.	200 m; At max. 188 kHz
Potential separation	
Potential separation digital inputs	
• Potential separation digital inputs	Yes
Potential separation digital outputs	
• Potential separation digital outputs	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
last modified:	10/13/2020