



Figure similar

SIMATIC S7-300, positioning module FM 351 for rapid/slow traverse Drives incl. configuration 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
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 	Yes
<ul style="list-style-type: none"> Output current, max. 	400 mA; Per channel
<ul style="list-style-type: none"> Cable length, max. 	100 m
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) 	24 V
<ul style="list-style-type: none"> for signal "0" 	-3 to +5V
<ul style="list-style-type: none"> for signal "1" 	+11 to +30V
Input current	
<ul style="list-style-type: none"> for signal "0", max. (permissible quiescent current) 	2 mA
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Rated value (DC) 	24 V

<ul style="list-style-type: none"> • for signal "1", min. 	UP - 0.8 V
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. 	5 mA; with UPmax 600 mA; with UPmax 0.5 mA
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. 	Yes Yes Yes Yes 2 mA; on signal "0", max. 2 mA; on signal "1", max. 6 mA
Encoder signals, incremental encoder (symmetrical)	
<ul style="list-style-type: none"> • Trace mark signals • Zero mark signal • Input voltage • Input frequency, max. 	A, notA, B, notB N, notN 5 V difference signal (phys. RS 422) 0.5 MHz
Encoder signals, incremental encoder (asymmetrical)	
<ul style="list-style-type: none"> • Trace mark signals • Zero mark signal • Input voltage • Input frequency, max. 	A, B N 24 V 50 kHz; 50 kHz for 25 m cable length; 25 kHz for 100 m cable length
Encoder signals, absolute encoder (SSI)	
<ul style="list-style-type: none"> • Input signal • Data signal • Clock signal • Telegram length, parameterizable • Clock frequency, max. • Gray code • Cable length, shielded, max. 	5 V difference signal (phys. RS 422) DATA, notDATA CL, notCL 13 or 25 bit 1.5 MHz Yes 200 m; At max. 188 kHz
Potential separation	
Potential separation digital inputs	
<ul style="list-style-type: none"> • Potential separation digital inputs 	Yes
Potential separation digital outputs	
<ul style="list-style-type: none"> • Potential separation digital outputs 	Yes
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	0 °C 60 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	-40 °C 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:	1/16/2021 