



Figure similar

spare part 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+	
• 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.	350 mA
from backplane bus 5 V DC, max.	150 mA
Encoder supply	
5 V encoder supply	
• 5 V	Yes
• Output current, max.	350 mA
• Cable length, max.	32 m
24 V encoder supply	
• 24 V	Yes
• Output current, max.	400 mA; Per channel
• 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	
• 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
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. - 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			
- Incremental encoder (symmetrical) - Incremental encoder (asymmetrical) - Absolute encoder (SSI) 2-wire sensor	Yes Yes Yes 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 - 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)			
- 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)			
- 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			
Potential separation digital inputs	Yes		
Potential separation digital outputs			
Potential separation digital outputs	Yes		
Ambient conditions			
Ambient temperature during operation			
- min. - max.	0 °C 60 °C		
Ambient temperature during storage/transportation			
- 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		
Classifications			
		Version	Classification
	eClass	16	27-24-22-05
	eClass	14	27-24-22-05
	eClass	12	27-24-22-05
	eClass	9.1	27-24-22-05

eClass	9	27-24-22-05
eClass	8	27-24-22-05
eClass	7.1	27-24-22-05
eClass	6	27-24-22-05
ETIM	10	EC001422
ETIM	9	EC001422
ETIM	8	EC001422
ETIM	7	EC001422
IDEA	4	3567
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



[Miscellaneous](#)

[Manufacturer Declaration](#)



General Product Approval EMV For use in hazardous locations



[China RoHS](#)



[FM](#)



For use in hazardous locations Maritime application



[Miscellaneous](#)

[CCC-Ex](#)



Maritime application



[CCS \(China Classification Society\)](#)

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