



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+	
• 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)	24 V

• for signal "1", min.	UP - 0.8 V		
Output current			
• for signal "1" permissible range for 0 to 60 °C, min.	5 mA; with UPmax		
• for signal "1" permissible range for 0 to 60 °C, max.	600 mA; with UPmax		
• for signal "0" residual current, max.	0.5 mA		
Encoder			
Connectable encoders			
• Incremental encoder (symmetrical)	Yes		
• Incremental encoder (asymmetrical)	Yes		
• Absolute encoder (SSI)	Yes		
• 2-wire sensor	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	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		
Classifications			
		Version	Classification
	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	9	EC001422
ETIM	8	EC001422
ETIM	7	EC001422
IDEA	4	3567
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



 EG-Konf.



[Miscellaneous](#)



 UL



 RCM

EMV

For use in hazardous locations



 RCM



 ATEX

[FM](#)



 UL



 IECEX



 ATEX

For use in hazardous locations

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 ABS





 DNV



 LRS

Marine / Shipping



 PRS



 RINA

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

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