



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	

<ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>for signal "1", min.</li> </ul>	24 V UP - 0.8 V	
<b>Output current</b>		
<ul style="list-style-type: none"> <li>for signal "1" permissible range for 0 to 60 °C, min.</li> <li>for signal "1" permissible range for 0 to 60 °C, max.</li> <li>for signal "0" residual current, max.</li> </ul>	5 mA; with UPmax 600 mA; with UPmax 0.5 mA	
<b>Encoder</b>		
<b>Connectable encoders</b>		
<ul style="list-style-type: none"> <li>Incremental encoder (symmetrical)</li> <li>Incremental encoder (asymmetrical)</li> <li>Absolute encoder (SSI)</li> <li>2-wire sensor</li> <li>— permissible quiescent current (2-wire sensor), max.</li> </ul>	Yes Yes Yes Yes 2 mA; on signal "0", max. 2 mA; on signal "1", max. 6 mA	
<b>Encoder signals, incremental encoder (symmetrical)</b>		
<ul style="list-style-type: none"> <li>Trace mark signals</li> <li>Zero mark signal</li> <li>Input voltage</li> <li>Input frequency, max.</li> </ul>	A, notA, B, notB N, notN 5 V difference signal (phys. RS 422) 0.5 MHz	
<b>Encoder signals, incremental encoder (asymmetrical)</b>		
<ul style="list-style-type: none"> <li>Trace mark signals</li> <li>Zero mark signal</li> <li>Input voltage</li> <li>Input frequency, max.</li> </ul>	A, B N 24 V 50 kHz; 50 kHz for 25 m cable length; 25 kHz for 100 m cable length	
<b>Encoder signals, absolute encoder (SSI)</b>		
<ul style="list-style-type: none"> <li>Input signal</li> <li>Data signal</li> <li>Clock signal</li> <li>Telegram length, parameterizable</li> <li>Clock frequency, max.</li> <li>Gray code</li> <li>Cable length, shielded, max.</li> </ul>	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	
<b>Potential separation</b>		
<b>Potential separation digital inputs</b>		
<ul style="list-style-type: none"> <li>Potential separation digital inputs</li> </ul>	Yes	
<b>Potential separation digital outputs</b>		
<ul style="list-style-type: none"> <li>Potential separation digital outputs</li> </ul>	Yes	
<b>Ambient conditions</b>		
<b>Ambient temperature during operation</b>		
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	0 °C 60 °C	
<b>Ambient temperature during storage/transportation</b>		
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	-40 °C 70 °C	
<b>Connection method</b>		
required front connector	1x 20-pin	
<b>Dimensions</b>		
Width	80 mm	
Height	125 mm	
Depth	120 mm	
<b>Weights</b>		
Weight, approx.	550 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
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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