

SIMATIC S7-300, cam controller, FM 352, electronic incl. configuration package on CD



Figure similar

Supply voltage	
Rated value (DC)	
<ul style="list-style-type: none"> <li>• 24 V DC</li> </ul>	Yes
Input current	
from load voltage L+ (without load), max.	200 mA
from backplane bus 5 V DC, max.	100 mA
Encoder supply	
5 V encoder supply	
<ul style="list-style-type: none"> <li>• 5 V</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Output current, max.</li> </ul>	300 mA
<ul style="list-style-type: none"> <li>• Cable length, max.</li> </ul>	32 m
24 V encoder supply	
<ul style="list-style-type: none"> <li>• 24 V</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Output current, max.</li> </ul>	300 mA
<ul style="list-style-type: none"> <li>• Cable length, max.</li> </ul>	100 m
Power loss	

Power loss, typ.	8.1 W
<b>Digital inputs</b>	
Number of digital inputs	4
Functions	Reference point switch, set floating actual value/length measurement, brake release, enable track output no. 3
<b>Input voltage</b>	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> <li>for signal "0"</li> <li>for signal "1"</li> </ul>	24 V -30 to +5V +11 to +30V
<b>Input current</b>	
<ul style="list-style-type: none"> <li>for signal "0", max. (permissible quiescent current)</li> <li>for signal "1", typ.</li> </ul>	2 mA 9 mA
<b>Digital outputs</b>	
Number of digital outputs	13
Functions	Cam track
Short-circuit protection	Yes
<b>Output voltage</b>	
<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               <ul style="list-style-type: none"> <li>permissible quiescent current (2-wire sensor), max.</li> </ul> </li> </ul>	Yes Yes Yes Yes 2 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) 1 MHz
<b>Encoder signals, incremental encoder (asymmetrical)</b>	
<ul style="list-style-type: none"> <li>Trace mark signals</li> <li>Zero mark signal</li> </ul>	A, B N

• Input voltage	24 V
• Input frequency, max.	50 kHz; 50 kHz for 25 m cable length; 25 kHz for 100 m cable length
<b>Encoder signals, absolute encoder (SSI)</b>	
• Data signal	DATA, notDATA
• Clock signal	CL, notCL
• Telegram length, parameterizable	13 or 25 bit
• Clock frequency, max.	1 MHz
• Gray code	Yes
• Cable length, shielded, max.	320 m; at max. 125 kHz
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• Potential separation digital inputs	No
<b>Potential separation digital outputs</b>	
• Potential separation digital outputs	No
<b>Degree and class of protection</b>	
Degree of protection acc. to EN 60529	
• IP20	Yes
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	60 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-40 °C
• max.	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>last modified:</b>	04/06/2018