

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



Figure similar

Supply voltage	
Rated value (DC)	24 V
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	
• 5 V	Yes
• Output current, max.	300 mA
• Cable length, max.	32 m
24 V encoder supply	
• 24 V	Yes
• Output current, max.	300 mA
• Cable length, max.	100 m
Power loss	
Power loss, typ.	8.1 W

Digital inputs	
Number of digital inputs	4
Functions	Reference point switch, set floating actual value/length measurement, brake release, enable track output no. 3
Input voltage	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> for signal "0" 	-30 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. 	9 mA
Digital outputs	
Number of digital outputs	13
Functions	Cam track
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. 	5 mA; with UPmax
<ul style="list-style-type: none"> for signal "1" permissible range for 0 to 60 °C, max. 	600 mA; with UPmax
<ul style="list-style-type: none"> for signal "0" residual current, max. 	0.5 mA
Encoder	
Connectable encoders	
<ul style="list-style-type: none"> Incremental encoder (symmetrical) 	Yes
<ul style="list-style-type: none"> Incremental encoder (asymmetrical) 	Yes
<ul style="list-style-type: none"> Absolute encoder (SSI) 	Yes
<ul style="list-style-type: none"> 2-wire sensor 	Yes
<ul style="list-style-type: none"> — permissible quiescent current (2-wire sensor), max. 	2 mA
Encoder signals, incremental encoder (symmetrical)	
<ul style="list-style-type: none"> Trace mark signals 	A, notA, B, notB
<ul style="list-style-type: none"> Zero mark signal 	N, notN
<ul style="list-style-type: none"> Input voltage 	5 V difference signal (phys. RS 422)
<ul style="list-style-type: none"> Input frequency, max. 	1 MHz
Encoder signals, incremental encoder (asymmetrical)	
<ul style="list-style-type: none"> Trace mark signals 	A, B
<ul style="list-style-type: none"> Zero mark signal 	N
<ul style="list-style-type: none"> 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)	
• 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

Potential separation

Potential separation digital inputs	
• Potential separation digital inputs	No
Potential separation digital outputs	
• Potential separation digital outputs	No

Degree and class of protection

Degree of protection acc. to EN 60529	IP20
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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
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Dimensions

Width	80 mm
Height	125 mm
Depth	120 mm

Weights

Weight, approx.	550 g
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last modified: 08/30/2019