



SIMATIC S7-300, Signal module for 3 SSI encoders for reading in the position value with 2 FREEZE inputs, 1x 20-pole Supports isochronous mode

Figure similar

Supply voltage	
Load voltage L+	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
<ul style="list-style-type: none"> permissible range, lower limit (DC) 	20.4 V
<ul style="list-style-type: none"> permissible range, upper limit (DC) 	28.8 V
Input current	
from load voltage L+ (without load), max.	100 mA
from backplane bus 5 V DC, max.	160 mA
Encoder supply	
24 V encoder supply	
<ul style="list-style-type: none"> 24 V 	Yes; L+ (-0.8 V)
<ul style="list-style-type: none"> Output current, max. 	900 mA
Power loss	
Power loss, typ.	3 W
Digital inputs	
Input voltage	
<ul style="list-style-type: none"> for signal "0" 	-3 to +5V
<ul style="list-style-type: none"> for signal "1" 	11 to 30.2 V
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
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", min.	300 μ s
Cable length	
<ul style="list-style-type: none"> shielded, max. 	600 m
Encoder	
Number of connectable encoders, max.	3
Connectable encoders	
<ul style="list-style-type: none"> Absolute encoder (SSI) 	Yes
<ul style="list-style-type: none"> 2-wire sensor 	Yes
Encoder signals, absolute encoder (SSI)	
<ul style="list-style-type: none"> Cable length, shielded, max. 	320 m; 320 m at 125 kHz; 160 m at 250 kHz; 60 m at 500 kHz; 20 m at 1 MHz
Interrupts/diagnostics/status information	
Alarms	
<ul style="list-style-type: none"> Diagnostic alarm 	Yes
connection method	
required front connector	20-pin
Dimensions	

Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	235 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 EMV

[Manufacturer Declaration](#)







For use in hazardous locations



[EM](#)





[Miscellaneous](#)

For use in hazardous locations Marine / Shipping



[CCC-Ex](#)






[NK / Nippon Kaiji Kyokai](#)

Marine / Shipping

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

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