



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	

- 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

last modified:

1/16/2021 