

# SIEMENS

## Product data sheet

**6ES7338-4BC01-0AB0**


SIMATIC S7-300,  
 SIGNAL. MODULE FOR 3 SSI SENSORS FOR READ  
 -IN OF POSITIONING VALUE WITH 2 FREEZE  
 INPUTS ,  
 1 X 20 PIN, SUPPORTS ISOCHRON MODE

Supply voltage	
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	
from load voltage L+ (without load), max.	100 mA
from backplane bus 5 V DC, max.	160 mA
Encoder supply	
24 V encoder supply	
24 V	Yes ; L+ (-0.8 V)
Output current, max.	900 mA
Power losses	
Power loss, typ.	3 W
Digital inputs	

<b>Input voltage</b>	
for signal "0"	-3 to +5 V
for signal "1"	11 to 30.2 V
<b>Input current</b>	
for signal "0", max. (permissible quiescent current)	2 mA
for signal "1", typ.	9 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	
at "0" to "1", min.	300 µs
<b>Cable length</b>	
Cable length, shielded, max.	600 m
<b>Encoder</b>	
Number of connectable encoders, max.	3
<b>Connectable encoders</b>	
Absolute encoder (SSI)	Yes
2-wire sensor	Yes
<b>Encoder signals, absolute encoder (SSI)</b>	
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
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
Diagnostic alarm	Yes
<b>Galvanic isolation</b>	
Galvanic isolation	No
<b>Connection method</b>	
required front connector	20-pin
<b>Dimensions</b>	
Width	40 mm
Height	125 mm
Depth	120 mm
<b>Weight</b>	
Weight, approx.	235 g
Status	Jul 17, 2012