



SIMATIC S7-300, DIGITAL INPUT SM 321,
OPTICALLY ISOLATED, 16DI, 24 V DC,
1 X 20 PIN

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 backplane bus 5 V DC, max.	10 mA
Power loss	
Werkelijk vermogensverlies / typisch	3,5 W
Digital inputs	
Aantal digitale ingangen	16
Uitvoering van de digitale ingangen / type 1 volgens IEC 61131	Ja
Number of simultaneously controllable inputs	
horizontal installation	
up to 40 °C, max.	16
up to 60 °C, max.	16
vertical installation	
up to 40 °C, max.	16

Input voltage	
Ingangsspanning / aan de digitale ingang / bij DC / nominale waarde	24 V
Input current	
Ingangsstroom / aan de digitale ingang / bij signaal <1> / typisch	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
parameterizable	Nee
at "0" to "1", min.	1,2 ms
at "0" to "1", max.	4,8 ms
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Encoder	
Connectable encoders	
2-wire sensor	Ja
permissible quiescent current (2-wire sensor), max.	1,5 mA
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	Nee
Interrupts/diagnostics/status information	
Alarms	
Alarms	Nee
Diagnostic alarm	Nee
Hardware interrupt	Nee
Diagnostic messages	
Productfunctie / diagnosefunctie	Nee
Diagnostics indication LED	
Status indicator digital input (green)	Ja
Galvanic isolation	
Galvanic isolation digital inputs	
between the channels	Nee
between the channels, in groups of	16
between the channels and the backplane bus	Ja
Dimensions	
Breedte	40 mm
Hoogte	125 mm
Diepte	120 mm

Weights

Weight, approx.	200 g
Status	29-jul-2014