



SIMATIC S7-300, DIGITAL MODULE SM 323, OPTICALLY ISOLATED, 16 DI AND 16 DO, 24V DC, 0.5A, AGGREGATE CURRENT 4A, 1X40 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
Alimentação de corrente / [nicht versorgt - Eingang] / [nicht versorgt - Eingangsstrom]	
from load voltage L+ (without load), max.	80 mA
Corrente consumida / do barramento do painel traseiro / a 24 V / com CC / máximo	80 mA
Power loss	
Potência activa dissipada / típico	6,5 W
Digital inputs	
Quantidade de entradas digitais	16
Versão das entradas digitais / tipo 1 conforme IEC 61131	Si
Number of simultaneously controllable inputs	
all mounting positions	
up to 40 °C, max.	16
up to 60 °C, max.	8
Input voltage	

Tensão de entrada / na entrada digital / na CC / valor de medição	24 V
Input current	
Corrente de entrada / na entrada digital / a um sinal <1> / típico	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
at "0" to "1", min.	1,2 ms
Tempo de retardamento de entrada / [nicht versorgt - für Standardeingänge] / [nicht versorgt - bei Signal <0> nach <1>] / [nicht versorgt - bei Nennwert der Eingangsspannung] / [nicht versorgt - maximal]	4,8 ms
at "1" to "0", min.	1,2 ms
at "1" to "0", max.	4,8 ms
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Digital outputs	
Quantidade de saídas digitais	16
Short-circuit protection	Si
Controlling a digital input	Si
Switching capacity of the outputs	
Lamp load, max.	5 W
Load resistance range	
lower limit	48 Ω
upper limit	4 kΩ
Output current	
Corrente de saída / na saída digital / a um sinal <1> / Valor nominal	0,5 A
Corrente de saída / na saída digital / a um sinal <1> / [nicht versorgt - bei 0 ... 60 °C] / [nicht versorgt - minimal]	5 mA
Corrente de saída / na saída digital / a um sinal <1> / [nicht versorgt - bei 0 ... 60 °C] / [nicht versorgt - maximal]	0,6 A
for signal "1" minimum load current	5 mA
Corrente residual / na saída digital / com o sinal <0> / máximo	0,5 mA
Output delay with resistive load	
"0" to "1", max.	100 μs
"1" to "0", max.	500 μs
Parallel switching of 2 outputs	
for uprating	No
for redundant control of a load	Si
Switching frequency	

with resistive load, max.	100 Hz
with inductive load, max.	0,5 Hz
on lamp load, max.	100 Hz
Total current of the outputs (per group)	
horizontal installation	
up to 40 °C, max.	4 A
up to 60 °C, max.	3 A
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Encoder	
Connectable encoders	
2-wire sensor	Si
permissible quiescent current (2-wire sensor), max.	1,5 mA
Isochronous mode	
Isochronous mode (application synchronized up to terminal)	No
Interrupts/diagnostics/status information	
Alarms	
Função do produto / [nicht versorgt - Alarme]	No
Diagnostic messages	
Função do produto / Função de diagnóstico	No
Diagnostics indication LED	
Execução do visor / [nicht versorgt - für Diagnosefunktion: Statusanzeige Digitalausgang] / [nicht versorgt - LED grün]	Si
Execução do visor / [nicht versorgt - für Diagnosefunktion: Statusanzeige Digitaleingang] / [nicht versorgt - LED grün]	Si
Galvanic isolation	
Galvanic isolation digital inputs	
Separação potencial / [nicht versorgt - an den Digitaleingängen] / [nicht versorgt - zwischen den Kanälen]	Si
between the channels, in groups of	16
Separação potencial / [nicht versorgt - an den Digitaleingängen] / [nicht versorgt - zwischen den Kanälen und Rückwandbus]	Si
Separação da potência / [nicht versorgt - Digitalausgaben]	
Separação potencial / [nicht versorgt - an den Digitalausgängen] / [nicht versorgt - zwischen den Kanälen]	Si
between the channels, in groups of	8
Separação potencial / [nicht versorgt - an den Digitalausgängen] / [nicht versorgt - zwischen den Kanälen und Rückwandbus]	Si

Dimensions

Largura	40 mm
Altura	125 mm
Profundidade	120 mm

Weights

Weight, approx.	260 g
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