

SIEMENS

Product data sheet

6ES7138-4DC01-0AB0


SIMATIC DP,
ELECTRONIC MODULE FOR ET 200S,
1 STEP 5V/204KHZ FOR POSITIONING STEPPER
MOTOR 15MM WIDE,
SINGLE CHANNEL,
+/-5V INTERF. FOR POWER SECTION

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Power losses	
Power loss, typ.	1.5 W
Digital inputs	
Number/binary inputs	2
Functions	Reference cams, pulse suppression, external stop, limit switch
Repeat frequency, max.	100 Hz
Input characteristic curve acc. to IEC 61131, Type 2	Yes
Input voltage	
Rated value, DC	24 V
for signal "0"	-30 to +5 V (-15% / +20%)
for signal "1"	11 to 30 V
Input current	

for signal "0", max. (permissible quiescent current)	2 mA
for signal "1", typ.	9 mA
Input delay (for rated value of input voltage)	
for standard inputs	
at "0" to "1", max.	4 ms
at "1" to "0", max.	4 ms
Cable length	
Cable length, shielded, max.	1000 m
Cable length unshielded, max.	600 m
Encoder	
Connectable encoders	
2-wire sensor	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	
Description	1 green LED for status indication "Ready for positioning jobs"
Positioning mode POS (green)	Yes
Group error SF (red)	Yes
Status indicator digital input (green)	Yes
Drive technology	
Cable length, max.	100 m ; twisted and shielded in pairs
Step-by-step controllers	
Connection for stepper motors	Differential signals for pulses (PULSE, notPULSE) and direction (DIR, notDIR) to RS422
Number of stepper motor channels	1
Dimensions	
Width	15 mm
Height	81 mm
Depth	52 mm
Weight	
Weight, approx.	40 g
Status	Jul 17, 2012