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Data sheet 6ES7338-4BC01-0AB0



Figure similar

spare part 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

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 loss	
Power loss, typ.	3 W
Digital inputs	
Input voltage	
● for signal "0"	-3 to +5V
● for signal "1"	11 to 30.2 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", min.	300 µs
Cable length	
● shielded, max.	600 m
Encoder	
Number of connectable encoders, max.	3
Connectable encoders	
● Absolute encoder (SSI)	Yes
● 2-wire sensor	Yes
Encoder signals, absolute encoder (SSI)	
● 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

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Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	235 g

Classifications

	Version	Classification
eClass	16	27-24-22-05
eClass	14	27-24-22-05
eClass	12	27-24-22-05
eClass	9.1	27-24-22-05
eClass	9	27-24-22-05
eClass	8	27-24-22-05
eClass	7.1	27-24-22-05
eClass	6	27-24-22-05
ETIM	10	EC001422
ETIM	9	EC001422
ETIM	8	EC001422
ETIM	7	EC001422
IDEA	4	3567
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous | Manufacturer Declaration

General Product Approval

China RoHS | Manufacturer Declaration

EMV

For use in hazardous locations

FM

For use in hazardous locations

Miscellaneous | CCC-Ex

Maritime application

Maritime application

NK / Nippon Kaiji Kyokai

Maritime application

CCS (China Classification Society)

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