SIEMENS

Data sheet 6ES7350-2AH01-0AE0



Figure similar

spare part SIMATIC S7-300, counter module FM 350-2, 8 channels, 20 kHz, 24 V encoder for counting, frequency measurement, speed measurement, cycle duration measurement, dosing incl. configuration package and electronic documentation on CD-ROM

Supply voltage	
Auxiliary voltage 1L+, load voltage 2L+	
● 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.	150 mA
from backplane bus 5 V DC, max.	100 mA
Encoder supply	
NAMUR encoder supply	
● 8.2 V	Yes
● Short-circuit protection	Yes
● Output current, max.	200 mA
Power loss	
Power loss, typ.	10 W
Digital inputs	
Number of digital inputs	8
Number of NAMUR inputs	8
Functions	1 each for gate start/ gate stop
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
for NAMUR encoders	
— for signal "0", max.	1.2 mA
— for signal "1", min.	2.1 mA
Input delay (for rated value of input voltage)	
● Input frequency, max.	20 kHz
for standard inputs	
— at "0" to "1", max.	50 µs
for NAMUR inputs	
— at "0" to "1", max.	50 µs
Cable length	
● shielded, max.	100 m
Digital outputs	
Number of digital outputs	8

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Short-circuit protection	Yes
Limitation of inductive shutdown voltage to	L+ (-40 V)
Output voltage	
● for signal "1", min.	L+ (-0.8 V)
Output current	
● for signal "1" rated value	0.5 A
● for signal "0" residual current, max.	0.5 mA
Output delay with resistive load	
● "0" to "1", max.	300 µs
Switching frequency	
● with resistive load, max.	500 Hz
● with inductive load, max.	0.5 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	4 A
— up to 60 °C, max.	2 A
all other mounting positions	
— up to 40 °C, max.	2 A
Cable length	
● shielded, max.	600 m
● unshielded, max.	100 m
Encoder	
Connectable encoders	
● Incremental encoder (asymmetrical)	Yes
● 24 V initiator	Yes
● 24 V directional element	Yes
● NAMUR encoder	Yes; to DIN 19 234
● 2-wire sensor	Yes
Interrupts/diagnostics/status information	
Diagnostics function	Yes; Diagnostic information readable
Alarms	
● Diagnostic alarm	Yes; Parameterizable
● Hardware interrupt	Yes; Parameterizable
Diagnostics indication LED	
● Group error SF (red)	Yes
Counter	
Number of counter inputs	8; 32 bit or ±31 bit
Counter input 24 V	
● Input voltage for signal "0"	-3 to +5V
● Input voltage for signal "1"	11 to 30.2 V
● Input current for signal "1", typ.	9 mA
● Counting frequency, max.	20 kHz; Incremental encoder: 10 kHz
Potential separation	
Potential separation digital inputs	
● between the channels and backplane bus	Yes; and shielding
Potential separation digital outputs	
● between the channels and backplane bus	Yes; and shielding
Potential separation counter	
● between the channels and backplane bus	Yes; and shielding
Connection method	
required front connector	1x 40-pin
Dimensions	
Width	80 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	460 g
Classifications	

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	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	Maritime application	Dangerous goods
Manufacturer Declaration		Dangerous goods information

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