SIEMENS

Data sheet 6ES7322-5GH00-0AB0



Figure similar

spare part SIMATIC S7-300, digital output SM 322, isolated, 16 DO (solid-state relay), 24-48 V AC/DC; 0.5 A with single-point grounding, 1x 40-pole

Supply voltage	
Mains buffering	
● Mains/voltage failure stored energy time	5 ms
Load voltage L+	
● Rated value (DC)	24 V; 24 / 48
● permissible range, lower limit (DC)	20.4 V
● permissible range, upper limit (DC)	57.6 V
● Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	200 mA
from backplane bus 5 V DC, max.	100 mA
Power loss	
Power loss, typ.	2.8 W
Digital outputs	
Number of digital outputs	16
Short-circuit protection	No; to be provided externally
Controlling a digital input	Yes
Size of motor starters according to NEMA, max.	Size 5 according to NEMA
Switching capacity of the outputs	
● on lamp load, max.	2.5 W
Output voltage	
● for signal "1", min.	L+ (-0.25 V)
Output current	
● for signal "1" rated value	0.5 A
● for signal "1" permissible range for 0 to 40 °C, max.	0.5 A
● for signal "1" permissible range for 40 to 60 °C, max.	0.5 A
● for signal "1" permissible surge current, max.	1.5 A; for 50 ms, 1 A 2 s one-time
● for signal "0" residual current, max.	10 µA
Output delay with resistive load	
● "0" to "1", max.	6 ms
● "1" to "0", max.	3 ms
Parallel switching of two outputs	
● for uprating	No
● for redundant control of a load	Yes
Switching frequency	
● with resistive load, max.	10 Hz
● with inductive load, max.	0.5 Hz
● with inductive load (acc. to IEC 60947-5-1, DC13), max.	0.5 Hz

© Copyright Plcally

● on lamp load, max.	0.5 Hz
Total current of the outputs (per group)	
horizontal installation	
— up to 40 °C, max.	0.5 A; 8 A per module
— up to 60 °C, max.	0.5 A; 8 A per module
vertical installation	
— up to 40 °C, max.	0.5 A; 8 A per module
Cable length	
● shielded, max.	1 000 m
● unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes; Parameterizable
Alarms	
● Diagnostic alarm	Yes; Parameterizable
Diagnoses	
● Diagnostic information readable	Yes
Diagnostics indication LED	
● Group error SF (red)	Yes
● Status indicator digital output (green)	Yes
Potential separation	
Potential separation digital outputs	
● between the channels	Yes
● between the channels, in groups of	1
● between the channels and backplane bus	Yes; Optocoupler
● between the channels and the power supply of the electronics	Yes
Isolation	
Isolation tested with	1 500 V AC
Connection method	
required front connector	40-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	120 mm
Weights	
Weight, approx.	260 g

Classifications

	Version	Classification
eClass	16	27-24-22-04
eClass	14	27-24-22-04
eClass	12	27-24-22-04
eClass	9.1	27-24-22-04
eClass	9	27-24-22-04
eClass	8	27-24-22-04
eClass	7.1	27-24-22-04
eClass	6	27-24-22-04
ETIM	10	EC001419
ETIM	9	EC001419
ETIM	8	EC001419
ETIM	7	EC001419
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

© Copyright Plcally

Miscellaneous

Manufacturer Declaration

General Product Approval

China RoHS

Manufacturer Declaration

EMV

For use in hazardous locations

FM

Miscellaneous

CCC-Ex

Maritime application

NK / Nippon Kaiji Kyokai

Maritime application

CCS (China Classification Society)

last modified: 4/7/2025

© Copyright Plcally