SIEMENS

Data sheet

6ES7147-6BG00-0AB0



SIMATIC DP, ET 200ECO PN, 8 DIO 24 V DC/1.3 A; 8xM12, Degree of protection IP67 $\,$

Figure similar

General information	
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0306H
Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
power supply according to NEC Class 2 required	Yes
Load voltage 2L+	
Rated value (DC)	24 V
 permissible range, lower limit (DC) 	20.4 V
 permissible range, upper limit (DC) 	28.8 V
 Reverse polarity protection 	Yes
Input current	
Current consumption, typ.	100 mA
from supply voltage 1L+, max.	4 A
from load voltage 1L+ (unswitched voltage)	4 A
from load voltage 2L+, max.	4 A
Encoder supply	
24 V encoder supply	
 Short-circuit protection 	Yes; Electronic
 Output current, max. 	100 mA; per output
Power loss	
Power loss, typ.	6.5 W
Digital inputs	
Number of digital inputs	8
• in groups of	4
Input characteristic curve in accordance with IEC 61131, type 3	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 60 °C, max.	8
Input voltage	
Rated value (DC)	24 V
● for signal "0"	-3 to +5V
• for signal "1"	+11 to +30V
Input current	
	7 mA
Input delay (for rated value of input voltage)	

	for standard inputs	
	•	tunically 3 mc
Cable length		
● unshelded, max. Number of digital outputs ● in groups of A groups of Professional Control of Special		typically 5 ms
Digital subusts	-	30 m
Number of digital outputs		00 III
• In groups of		8
Short-circuit protection		
Response threshold, typ. Limitation of inductive shutdown voltage to Controlling a digital input Yes Switching capacity of the outputs on lamp load, max. Soly for signal "1" rated value for signal "1" rated value for signal "1" remissible range, max. if or signal "1" remissible range, max. for signal "1" remissible range, max. for signal "1" remissible range, max. for signal "0" residual current, max. for signal "0" residual current, max. for uprating for uprating for uprating for uprating for uprating for uprating for for redundant control of a load for redundant control of a load Yes Switching frequency with resistive load, max. fold lumrent of the outputs (per group) all mounting positions — up to 60 "C, max. Cable length function and the subject of the s		
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Redundancy mode Media redundancy — MRP Yes		Yes
— MRP Yes		
	Media redundancy	
Open IE communication	— MRP	
		Yes

- TOP/ID	Na
• TCP/IP	No Yes
SNMP DCP	Yes
• LLDP	Yes
	Yes
pingARP	Yes
	Tes
Interrupts/diagnostics/status information	Voc
Diagnostics function	Yes
Alarms	Yes
Diagnostic alarm	Tes
Diagnoses	Yes
Diagnostic information readable Monitoring the supply voltage	
Monitoring the supply voltageWire-break in actuator cable	Yes; green "ON" LED Yes
Wire-break in actuator cable Wire-break in signal transmitter cable	Yes
Short-circuit	Yes
Short-circuit encoder supply	Yes
Group error	Yes; Red/yellow "SF/MT" LED
Potential separation	166, Rodrychow Of hit LLB
between the load voltages	Yes
between load voltages between load voltage and all other switching components	No
between Ethernet and electronics	Yes
Potential separation channels	100
between the channels	No
Isolation	
tested with	
• 24 V DC circuits	707 V DC (type test)
Test voltage for interface, rms value [Vrms]	1 500 V; According to IEEE 802.3
Degree and class of protection	3.0
IP degree of protection	IP65/67
Standards, approvals, certificates	
Suitable for safety-related tripping of standard modules	No
connection method / header	
Design of electrical connection	4/5-pin M12 circular connectors
Dimensions	TO PIT ITTE STOCKER CONTROCTOR
Width	60 mm
Height	175 mm
Depth	49 mm
Weights	
Weight, approx.	910 g
ννοιχτικ, αρφτολ.	V10 g

last modified:

9/27/2021