



SIMATIC DP, ET 200ECO PN, 16 DO 24V DC/1,3A; 8 X M12, DOUBLE-ASSIGNMENT DEGREE OF PROTECTION IP67

Figure similar

General information

Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0306H

Supply voltage

Load voltage 1L+	
• 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
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

from load voltage 1L+ (unswitched voltage)	4 A
from load voltage 2L+, max.	4 A

Power losses

Power loss, typ.	5.5 W
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Digital outputs

Number of digital outputs	16
• In groups of	8
short-circuit protection	Yes

• Response threshold, typ.	1,8 A
Limitation of inductive shutdown voltage to	Typ. (L1+, L2+) -47 V
Controlling a digital input	Yes
Switching capacity of the outputs	
• on lamp load, max.	5 W
Output current	
• for signal "1" rated value	1.3 A; Maximum
• for signal "0" residual current, max.	1.5 mA
Parallel switching of 2 outputs	
• for increased power	No
• for redundant control of a load	Yes
Switching frequency	
• with resistive load, max.	100 Hz
• with inductive load, max.	0.5 Hz
• on lamp load, max.	1 Hz
Aggregate current of outputs (per group)	
all mounting positions	
— up to 60 °C, max.	3.9 A
Cable length	
• Unshielded, max.	30 m
Interfaces	
Transmission procedure	100BASE-TX
Transmission rate, max.	100 Mbit/s
PROFINET IO	
• Number of PROFINET interfaces	1
• Autocrossing	Yes
• Automatic detection of transmission speed	Yes
• Integrated switch	Yes
PROFINET IO Device	
— IRT with the option "high flexibility" supported	Yes
— Prioritized startup	Yes
Protocols	
PROFINET IO	Yes
PROFINET CBA	No
Supports protocol for PROFI-safe	No
Protocols (Ethernet)	
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
• ping	Yes

• ARP	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes; Green LED
Alarms	
• Diagnostic alarm	Yes
Diagnostic messages	
• Diagnostic functions	Yes
• Diagnostic information readable	Yes
• Monitoring the supply voltage	Yes; Green "ON" LED
• Wire break in actuator cable	Yes
• Short circuit	Yes
• Group error	Yes; Red/yellow "SF/MT" LED
Galvanic isolation	
between the load voltages	Yes
between load voltage and all other switching components	No
between Ethernet and electronics	Yes
Galvanic isolation digital outputs	
• between the channels	No
Permissible potential difference	
between different circuits	75V DC/60V AC
Isolation	
tested with	
• 24 V DC circuits	500 V
• Interface	1 500 V; According to IEEE 802.3
Degree and class of protection	
Degree of protection to EN 60529	
• IP65	Yes
• IP66	Yes
• IP67	Yes
Connection method	
M12	Yes
Dimensions	
Width	60 mm
Height	175 mm
Depth	49 mm
Weights	
Weight (without packaging)	910 g

last modified:

12.03.2015