

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SIMATIC S7

6ES7142-1BD40-0XA0

FOUR-CHANNEL DIGITAL OUTPUT MODULE

Used with the applicable SIMATIC ET 200X configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

*** SPARE PART*** SIMATIC DP, EXPANSION MODULE EM 142, ET 200X, 4DO 24V DC/2A 5-PIN M12, PROTECTION IP 65, FOR ALL BASIC MODULES

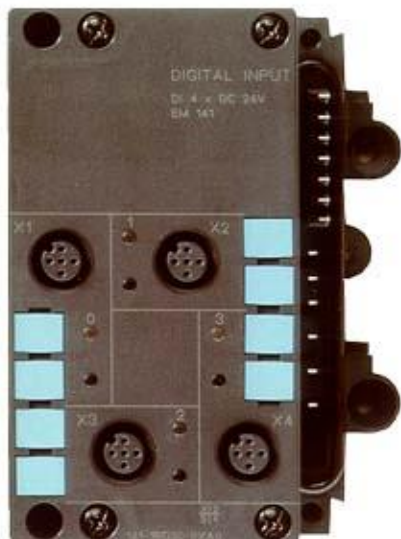


Figure similar

Input current	
from load voltage 2L+ (without load), max.	12 mA
from backplane bus 5 V DC, max.	28.5 mA
Power loss	
Power loss, typ.	2.1 W
Digital outputs	
Number of digital outputs	4
Short-circuit protection	Yes; Electronic
• Response threshold, typ.	3 A
Switching capacity of the outputs	
• on lamp load, max.	10 W
Output current	
• for signal "1" rated value	2 A; at 24 V DC
• for signal "0" residual current, max.	0.5 mA
Switching frequency	
• with resistive load, max.	100 Hz

• with inductive load (acc. to IEC 60947-5-1, DC13), max.	0.5 Hz
• on lamp load, max.	1 Hz
Total current of the outputs (per module)	
all mounting positions	
— up to 20 °C, max.	6 A
— up to 55 °C, max.	4 A
Cable length	
• unshielded, max.	30 m
Potential separation	
between backplane bus and all other circuit components	Yes
Potential separation digital outputs	
• between the channels	No
Dimensions	
Width	87 mm; Width module 60 mm
Height	110 mm
Depth	55 mm
Weights	
Weight, approx.	250 g
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