

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES7142-1BF30-0XA0

EM 142 EIGHT-CHANNEL DIGITAL OUTPUT MODULE

Used with the applicable SIMATIC ET 200X configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Official manufacturer documentation applicable to 6ES7142-1BF30-0XA0

*** SPARE PART*** SIMATIC DP, EXPANSION MODULE EM 142
FOR ET 200X, 8 DO DC 24 V/1.2 A, 5-PIN M12, PROTECTION IP
66/67, FOR ALL BASIC MODULES

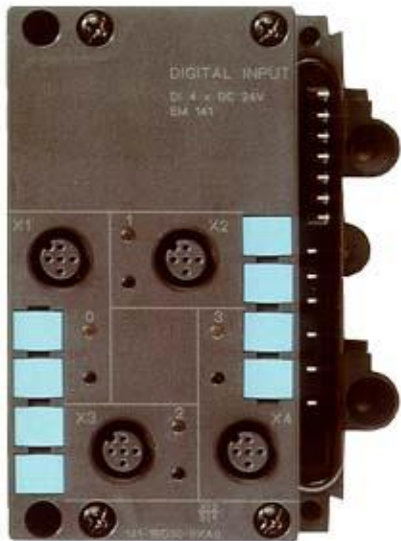


Figure similar

Input current	
from load voltage 2L+ (without load), max.	12 mA
from backplane bus 5 V DC, max.	35 mA
Power loss	
Power loss, typ.	1.5 W
Digital outputs	
Number of digital outputs	8
Short-circuit protection	Yes; Electronic
• Response threshold, typ.	1.8 A
Switching capacity of the outputs	
• on lamp load, max.	10 W
Output current	
• for signal "1" rated value	1.2 A; at 24 V DC
• for signal "0" residual current, max.	0.5 mA
Switching frequency	
• with resistive load, max.	100 Hz

<ul style="list-style-type: none"> • with inductive load (acc. to IEC 60947-5-1, DC13), max. 	0.5 Hz
<ul style="list-style-type: none"> • on lamp load, max. 	1 Hz
Total current of the outputs (per module)	
all mounting positions	
— up to 20 °C, max.	7 A
— up to 55 °C, max.	5 A; Up to 50 °C
Cable length	
<ul style="list-style-type: none"> • unshielded, max. 	30 m
Potential separation	
between backplane bus and all other circuit components	Yes
Potential separation digital outputs	
<ul style="list-style-type: none"> • between the channels 	No
Dimensions	
Width	87 mm; Width module 60 mm
Height	180 mm
Depth	55 mm
Weights	
Weight, approx.	350 g
last modified:	03/11/2017 