

Siemens 6ES7212-1HE40-0XB0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	-

Description

Manufacturer : Siemens

6ES7212-1HE40-0XB0

Article Number (Market Facing Number) : 6ES72121HE400XB0 | 6ES72121HE400XB0

Product Description : SIMATIC S7-1200, CPU 1212C, COMPACT CPU, DC/DC/RLY, ONBOARD I/O: 8 DI 24V DC; 6 DO RELAY 2A; 2 AI 0 - 10V DC, POWER SUPPLY: DC 20.4 - 28.8 V DC, PROGRAM/DATA MEMORY: 75 KB NOTE: !!V13 SP1 PORTAL SOFTWARE IS REQUIRED TO PROGRAM!!

Product family : CPU 1212C

Product Lifecycle (PLM) : PM300/Active Product

Metal Factor : None

Delivery information

Export Control Regulations : AL : N / ECCN : EAR99H

Standard lead time ex-works : 15 Day/Days

Net Weight (lb) : 0.78 lb

Product Dimensions (W x L x H) : Not available

Packaging Dimension : 4.094 x 4.213 x 3.465

Package size unit of measure : in

Quantity Unit : 1 Piece

Packaging Quantity : 1

Additional Product Information

EAN : 4047623402718

UPC : 887621769031

Commodity Code : 85371091

LKZ_FDB/ CatalogID : ST72

Product Group : 4509

Country of origin : Germany

RoHS Compliance : Since: 12/12/2013

Returnable : Yes

Obligation Category for taking back electrical and electronic equipment after use : No obligation to take back electrical and electronic equipment after use

6ES7212-1HE40-0XB0

MFN: 6ES72121HE400XB0

CPU 1212C, DC/DC/Relay, 8DI/6DO/2AI

Packaging dimensions (L x W x H)

4.21 x 3.98 x 3.35 inch

Net weight

0.686 lb

SIMATIC S7-1200 , CPU 1212C , CPU , DC/DC/ , I/O : 8 DI
24V DC ; 6 2A ; 2 AI 0-10V DC , : DC 20.4-28.8V DC ,
/ 100 KB

CPU 1212C DC/DC /
V4.6

- STEP 7 V18

(DC)

- DC 24 V
, (DC) 20.4 V
, (DC) 28.8 V

L+

- (DC) 24 V
• , (DC) 20.4 V
• , (DC) 28.8 V

() 400 mA; CPU
, 1 200 mA; CPU

www.AutoDCSTech.com

, 12 A; 28.8 V

I^2t 0.8 A²·s

(DC 5 V) , 1 000 mA; 5 V DC , SM CM

24 V

- 24 V L+ 4 V DC ()

, 9 W

- 100 kbyte

- 2 Mbyte

- (SIMATIC) , SIMATIC

•

•

•

CPU-

, 0.08 μ s; /

, 1.7 μ s; /

, 2.3 μ s; /

CPU-

() DBs、FCs、FBs、。165535。

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OB

- ,

(、 、) , 14 kbyte

- , 4 kbyte;

- , 16 kbyte; 1 () : 16 KB , 2 26 : 6 KB

- , 1 kbyte

- , 1 kbyte

, 3 、 1 、 2

- ()

- 480 h;

- , 25 °C $\pm$ 60 /

8;

- 6; HSC ()

/

— 40 °C , 8

- (DC) 24 V
- “0” 1 mA DC 5 V
- “1” 15 V DC , 2.5 mA
- ()

— 0.2 ms、0.4 ms、0.8 ms、1.6 ms、3.2 ms、6.4 ms 12.8 ms , 4

— “0”“1” , 0.2 ms

— “0”“1” , 12.8 ms

—

— : 3 @ 100 KHz & 3 @ 30 kHz , : 3 @ 80 kHz & 3 @ 30 kHz

- , 500 m; 50 m
- , 300 m; :

6;

- 2 A
- DC 30 W , AC 200 W

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- “0” “1” , 10 ms;
- “1” “0” , 10 ms;

- 6
- 100000 , 1

- , 500 m
- , 150 m

2

•

- () ,
- 0 +10 V
- (0 10 V) ≥100

- , 100 m;

0

/

- () , 10 bit
-
- () 625 μs

-

1.

PROFINET

- RJ 45 ()

- 1

-

- PROFINET IO

- PROFINET IO

- SIMATIC

- IE ;

-

-

PROFINET IO

- , 100 Mbit/s

— PG/OP ; TLS V1.3

— www.AutoDCSTech.com

—

— IRT

— PROFIenergy

—

— IO , 16

— IO , 16

— RT IO , 16

— , 16

— / IO

— / IO , 8

— PROFINET IO 、 IO

°

PROFINET IO

— PG/OP ; TLS V1.3

—

— IRT

— PROFIenergy

—

— IO 2

PROFINET IO

PROFIsafe

PROFIBUS ; CM 1243-5 () CM 1242-5 ()

OPC UA ; OPC UA

AS ; CM 1243-2

()

- TCP/IP
- DHCP
- SNMP
- DCP
- LLDP

— MRP

— MRPD

SIMATIC

- S7

IE

- TCP/IP

— , 8 kbyte

- ISO-on-TCP (RFC1006)

— , 8 kbyte

- UDP

— , 1 472 byte

•

•

OPC UA

- , “”

• OPC UA ; (、 、) 、 , www.AutoDCSTech.com

— , Basic128Rsa15 , Basic256Rsa15 , Basic256Sha256

— ”“

— , 10

— , 5

— , 100 ms

— , 200 ms

— , 20

— (monitored items) , 1 000

— , 2

— , 2 000

- MODBUS

/

S7

•

•

•

- , (S7 ,)

• PG : 4 / 4 ; HMI : 12 / 18 ; S7 : 8 / 14

; : 8 / 14 ; Web : 2 / 30 ; OPC

UA : 0 / 10 ; : 34 / 64

/

- /

- /、 、 DB、 /、 、

•

•

Trace

- Trace 2
- Trace 512 kbyte

//

LED

- RUN/STOP LED
- ERROR LED
- MAINT LED

- 6

- , 100 kHz

, 8

SB 1222 4

PID

4

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- 500V AC 1

- , 1

•

•

- 2

,

EMV

- IEC 61000-4-2

— 8 kV

— 6 kV

- IEC 61000-4-4

- , IEC 61000-4-4

()

- IEC 61000-4-5

- , IEC 61000-4-6

EN 55 011

- A ; 1

- B ; EN 55011 B

IP IP20

、 、

CE
UL
cULus
FM
RCM (C-TICK)
KC

- 0.3 m; ,
- -20 °C
- 60 °C; : 4 3 () , 60 °C
- 50 °C , 8 6 , 55 °C 45 °C
- , -20 °C
- , 60 °C
- , -20 °C
- , 50 °C
- /
- -40 °C
- 70 °C
- IEC 60068-2-13
- , 795 hPa
- , 1 080 hPa
- / , 660 hPa
- / , 1 080 hPa

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- , -1 000 m
- , 5 000 m; > 2000 m ,
- , 95 %;
- IEC 60068-2-6 2 g (m/s²) , 1 g (m/s²) DIN
- , IEC 60068-2-6
- IEC 60068-2-27 ; IEC 68 , 2-27 ; : 15 g () , 11 ms
- RH < 60% SO₂ , : < 0.5 ppm ; : < 0.1 ppm ; RH < 60%
- /
- / /

— KOP
— FUP
— SCL

- /
-
-
-
-
- :

- :
- :
- / /
-

90 mm
100 mm
75 mm

, 385 g

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