

Siemens 6ES7138-4CB10-0AB0 Manual

Brand	Siemens
Product Series	Siemens
Product Type	Simatic DP, Power Module PM-E for ET200S

Description

6ES7138-4CB10-0AB0 | Siemens | Simatic DP, Power Module PM-E for ET200S

Manufacturer : Siemens

Product No. : 6ES7138-4CB10-0AB0

Product type : Simatic DP, Power Module PM-E for ET200S

Rated value (DC) : 24 to 56.7 V DC, 24 to 48 V / 120 V / 130 V AC

Reverse polarity protection : Yes

Power loss, typ. : 5 W

Load voltage : DC/AC

Isolation tested with : 1500 V DC

Dimensions (LxWxH) : 5.2cm x 1.5cm x 8.1cm

Weight : 0.034 Kg

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Properties

The PM-E 24 VDC to 48 VDC/24 VAC to 230 VAC power module

Monitors the supply voltage for all the electronic modules in the voltage group. The supply voltage is fed in by means of the TM-P terminal module.

Can be used universally and can be assigned parameters for DC and AC load voltage for use with any electronic module.

Is required at least once for the ET 200S (to the right of the interface module).

Exception: structure of the ET 200S with an IM151-1 COMPACT

Control interface (PIQ) and feedback interface (PII) in the process image for option handling.

The current status of the power module is stored in the status byte in the process input image (PII). This is updated irrespective of whether the "No Load Voltage" diagnosis has been enabled.

Is additionally equipped with a replaceable fuse (5 mm x 20 mm).

Dimensions and Weight

Dimensions W × H × D (mm)

(the total dimensions depend on the selected terminal module)

15 × 81 × 52

Weight 34 g

Voltages, currents, potentials

Rated load voltage 24 VDC to 56.7 VDC

24 VAC to 48 VAC/120 VAC/230 VAC

Overvoltage protection Yes

Protection with automatic circuit breakers yes, tripping characteristic B, C

Max. current-carrying capacity 10 A

For 24-56.7 VDC up to 30 °C: max. 10 A

up to 40 °C: max. 9 A

up to 60 °C: max. 7 A

For 24-48/120/230 VAC up to 30 °C: max. 8 A

up to 40 °C: max. 7 A

up to 60 °C: max. 5 A

Short-circuit protection yes, IEC 127-2/1, 250 V, 10 A,
fast fuse (5 x 20 mm), replaceable¹

Galvanic isolation

Between rated load voltage and backplane
bus

Between the power modules

Yes

Yes

Insulation test voltage 1500 VAC

Current consumption from backplane bus max. 9.5 mA

From load voltage L1/L+ (no load) max. 9 mA

Power dissipation of the module max. 5 W

Parameter length 3 bytes

Status, interrupts, diagnostics

Diagnostic function Yes

Group error

Load voltage monitoring

Red "SF" LED

Green "PWR" LED

Backup Green "FSG" LED

Diagnostic information can be displayed Yes

¹ The fuses on this module are only additional fuses. External overcurrent protection (suitable for branch circuits in accordance with the applicable national regulations for electrical engineering) is required in the supply lines of the load circuit.

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