

3 – 2 Power Supply Module Specifications

3 – 2 – 1 Power supply specifications

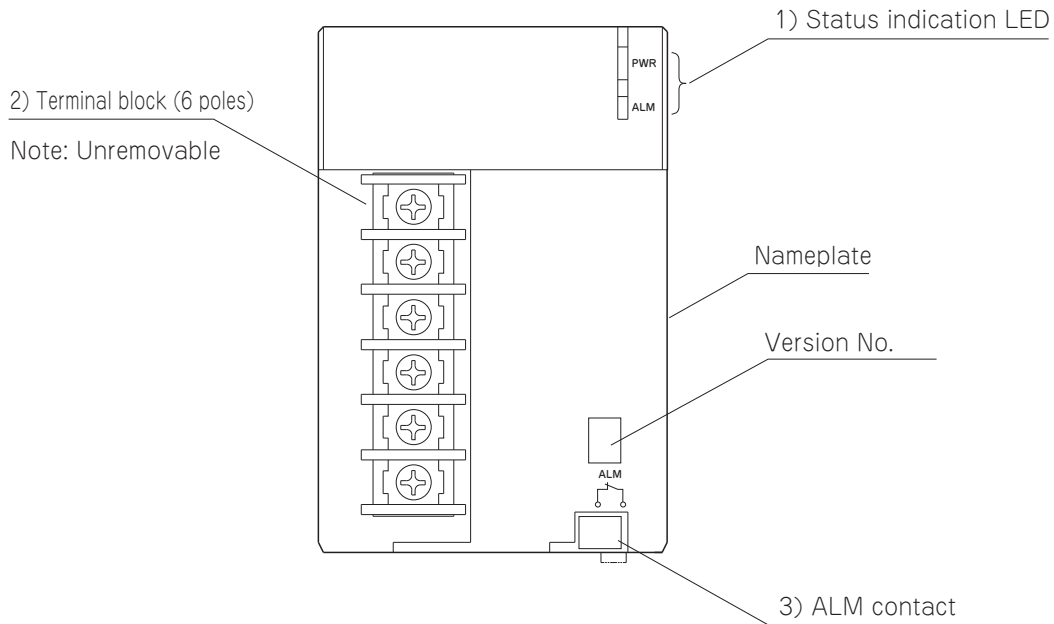
Item	Specification
Type	CSH1S42A-00
Rated input voltage (tolerance)	24V DC (19.2 to 30V DC)
Rated frequency	—
Frequency (tolerance)	—
Dropout tolerance	10ms or less(When rated voltage,and rated load)
AC waveform distortion factor	—
Ripple factor tolerance	Three-phase full-wave rectification can be used. 5% or less
Leakage current	0.25mA or less
Inrush current	150A _{0-P} or less 2ms or less
Power consumption	45W or less
Rated output voltage (tolerance)	24V DC (22.8 to 26.4V DC)
Output current	0 to 1.46A
Isolation method	Transducer
Dielectric strength	510V AC, 1 minute, between power input terminals and ground
Insulation resistance	10M Ω or more (500V DC megger)
Occupied slots	2
Alarm output	Provided: Relay NC contact output Object: Monitoring of output voltage Output specification: 24V DC, 0.3A or less (AC power supply cannot be used)
Mass	Approx. 360g

Note 1: The value when the interval between momentary power failures is one second or longer.

Note 2: These are the values under the maximum load when the rated voltage is input.

3 – 2 – 2 Names and functions

(1) CSH1S42A-00



Note: Terminal cover is removed in this figure to explain functions.

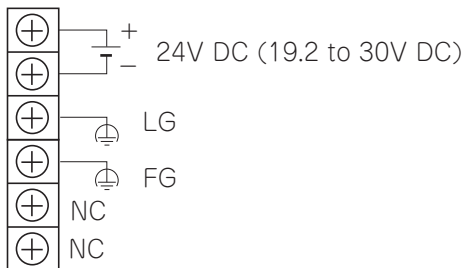
1) Status indication LED

Symbol	Color	Description
PWR	Green	Turns on when the output voltage is within the rated range. Turns off when out of the range.
ALM	Red	Turns on when the output voltage is out of the rated voltage.

2) Terminal block (6 poles)

This is a terminal block (M4) with 6 poles. Signals are as follows.
(Tightening torque: 1.2N·m, Applicable wire size: 2mm²)

<CSH1S42A-00(DC power supply)>



3) ALM output connector

The ALM output connector is a normally closed contact (NC contact). This contact turns off (open) when the power supply module is normally operating (when output voltage is 19.2 to 26.4V) and turns on (closed) in other conditions. The rated voltage is 24V DC, and the rated current is 0.3A.

A connector with a cable (length: 600 mm) is supplied with the product.