

# SWH3650 Series

50A Solid-State Power Controller (SSPC), board mounted installation

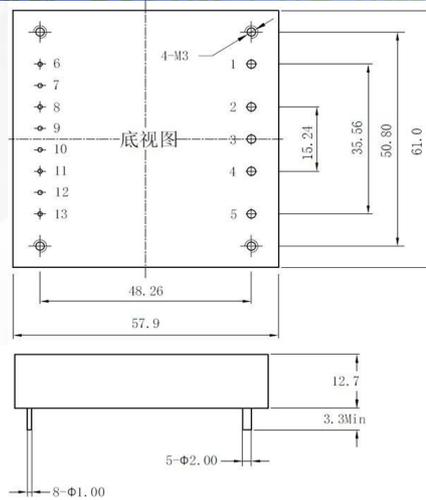
Features:

- ◆ Operating baseplate temperature: -45°C to +105°C
- ◆ Six-sided metal shield
- ◆ DIP package
- ◆ Output overcurrent protection
- ◆ CAN communication controlled on/off



## Production Selection Table

Product model	Input voltage (Vdc)	Trigger mechanism	Maximum current (A)	Leakage current in the absence of control signal	Temperature detection	Signal detection
SWH3650M-CAN-T105	12-32	CAN communication control	50	<10μA	Yes	Yes
SWH1250M-CAN-T105	9-18		50	<10μA	Yes	Yes



Note: 1) Note: Unit: mm  
2) Unspecified tolerance: X.X±0.5 X.XX±0.25

Table 1 Power Pins

Pins number	1	2	3	4	5
Symbol	Vout	Vout	PGND	Vline	Vline
Function	Controlled power supply output, connected to load	Controlled power supply output, connected to load	Ground of the controlled power supply	controlled power supply input, connected to power supply	controlled power supply input, connected to power supply

Table 2 Signal Pins

Pins number	6	7	8	9
Symbol	Vcc	CANTX	CANRX	NC
Function	Control power supply 5V positive	CAN communication TX port	CAN communication RX port	connectionless
Pins number	10	11	12	13
Symbol	NC	EN	Trip	GND
Function	connectionless	Analog control terminal (super control): High level for on, low level or floating for off	Connect to an external circuit. Refer to the basic application wiring in this document. Abnormal low level, normal high level	Control power supply 5V Ground