

# SWQ3620 Series

20A Solid-State Power Controller (SSPC), board mounted installation



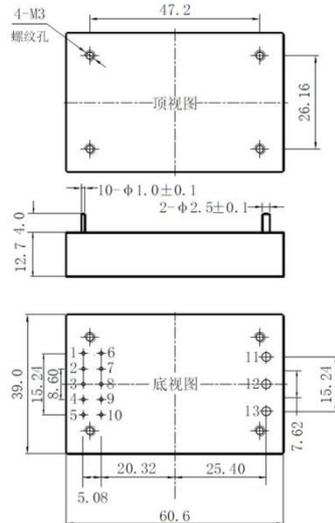
Features:

- ◆ 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
SWQ3620M-CAN-T105	12-32	CAN communication control	20	<10μA	Yes	Yes
SWQ1220M-CAN-T105	9-18		20	<10μA	Yes	Yes

## Encapsulation size



Note: Unit: mm

Unspecified tolerance: X.X±0.5 (X.XX±0.02) X.XX±0.25 (X.XXX±0.010)

Table 1 Power Pins

Pins number	11	12	13
Symbol	Vline	Vout	PGND
Function	controlled power supply input	controlled power supply output	ground of the controlled power supply

Table 2 Signal Pins

Pins number	1	2	3	4
Symbol	Vcc	GND	EN	CANTX
Function	Control power supply 5V positive	Control power supply: 5V Ground	Analog control terminal (super control): High level for on, low level or floating for off	CAN communication TX port
Pins number	5	6	7	8
Symbol	CANRX	VCC	GND	Trip
Function	CAN communication RX port	Control power supply 5V positive	Control power supply 5V ground, CAN communication ground	Connect to an external circuit. Refer to the basic application wiring in this document. Abnormal low level, normal high level
Pins number	9	10	—	—
Symbol	NC	NC	—	—
Function	connectionless	connectionless	—	—