

HF3504A / HF3507A

WIPER INTERMITTENT CONTROLLER



Features:

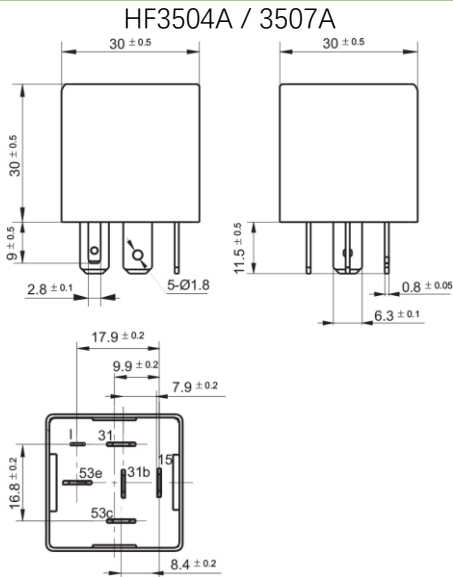
1. Solid structure
2. Surface mounting installation
3. Ingress protection: IP50

Codification & Specification

Type	Rated Voltage	Working Voltage Range	Power Rate	Dimensions
HF3504A / 12-G	12VDC	9 – 16 VDC	50W	30 x 30 x 30 mm
HF3507A / 12-G	12VDC	9 – 16 VDC	50W	30 x 30 x 30 mm
HF3507A / 24-G	24VDC	18 – 32 VDC	50W	30 x 30 x 30 mm

Wiping Time	HF3504A: 3.5s + 2.5s	Vibration Resistance	Sine	10 – 200 Hz 49m/s ²
	HF3507A: 3s + 3s		Random	10 – 1000 Hz 19.6m/s ²
Intermittent Time	5.5s ± 1.5s	Shock Resistance		196m/s ²
Lifespan	100,000 times	Weight		29g
Internal Voltage Drop	Max. 150mV @ 5A	Mechanical Data		Cover Retention 160N min
Ambient Temperature	-40°C - 85°C			Terminal Retention 100N min

Dimensions & Wiring



Wiring instruction:

1. Terminal 15: power source positive (B+)
2. Terminal 31: power source negative (B-)
3. Terminals I & 53e (53M): combined switch K2
4. Terminal 31b (53S): wiper motor switch
5. Terminal 53c (T): washing pump switch

Intermit wiping: when the combined switch K2 is turned on (position 1-3), the terminal "I" is connected to B+ (12V or 24V), and the relay is started.

Washing wiping: when the switch K1 is turned on, the terminal 53c (T) is connected to B+ (12V or 24V), and the relay is started. When the switch K1 is turned off, after a delay (3.5s+2.5s or 3s+3s), the relay is stopped.

