



26.0 x 26.0 x 22.7 mm

Features

- · Large switching capacity up to 50A
- Small size and light weight
- PCB pin and quick connect mounting available
- · Low temperature rise at full load



Contact Data*

Contact Arrangement	1A = SPST N.O.	Co
	1C = SPDT	Co
Contact Rating	1A: 50A @ 14VDC	M
	1C : 50A @ 14VDC N.O.	M
	: 30A @ 14VDC N.C.	M

Contact Resistance	≤ 50 milliohms initial
Contact Material	AgSnO ₂
Maximum Switching Power	700W
Maximum Switching Voltage	75VDC
Maximum Switching Current	50A

Coil Data*

	Coil Voltage Coil Resistance VDC Ω +/- 10%		Pick Up Voltage VDC (max) 65% of rated	Release Voltage VDC (min) 10% of rated	Coil Power W	Operate Time ms	Release Time ms	
Rated	Max	without Resistor	with Resistor	voltage	voltage			
12	15.6	90	80	7.8	1.2	1.6	≤ 10	< 40
24	31.2	360	320	15.6	2.4	1.6		≤ 10

General Data*

100K cycles, average		
10M cycles, average		
100MΩ min. @ 500VDC initial		
750V rms min. @ sea level initial		
500V rms min. @ sea level initial		
294m/s ² for 11 ms		
10mm double amplitude 10~22.3Hz		
8N (quick connect), 4N (PCB pins)		
-40°C to +125°C		
-40°C to +155°C		
260°C for 5 s		
35g		

^{*} Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.



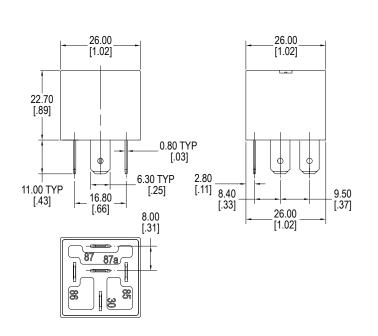
Ordering Information

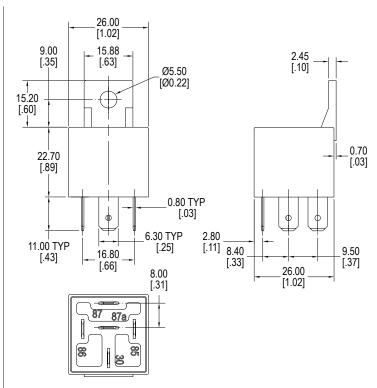
1. Series	A2H	1C	S	Q	12VDC	1.6	
A2H standard A2HF with mounting flange A2HM with metal bracket							
2. Contact Arrangement 1A = SPST N.O. 1C = SPDT							
3. Sealing Option S = Sealed C = Dust Cover							
4. Termination P = PCB Pins Q = Quick Connect							
5. Coil Voltage 12VDC 24VDC							
6. Coil Power 1.6 = 1.6W							
7. Coil Suppression Blank = Standard D = Diode (1N4005) Cathode on "86" term R = Resistor (680 Ω for 12VDC; 2700 Ω for							



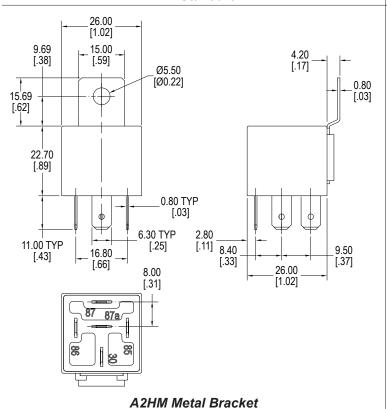
Dimensions

Units = mm





A2H Standard

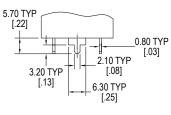


A2HF Mounting Flange

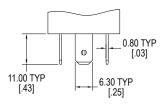


Termination Options

Units = mm



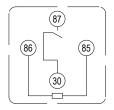
PC Pins



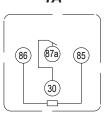
Quick Connect

Schematics

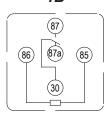
Bottom Views



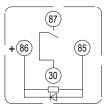
1A



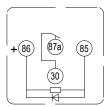
1B



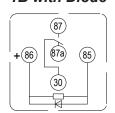
1C



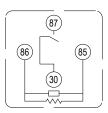
1A with Diode



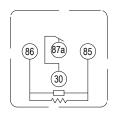
1B with Diode



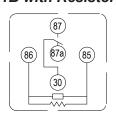
1C with Diode



1A with Resistor



1B with Resistor



1C with Resistor

Suggested Layout

Bottom Views

