

HFV4

AUTOMOTIVE RELAY



File No.:CH0023315-98



Features

- 40A continuous contact rating @ 85°C.
- 1 Form A and 1 Form C arrangement.
- Plug-in or PC board terminals.
- Optional mounting bracket.

CONTACT DATA

Contact Arrangement	1A	1C
Initial Contact Resistance Max.	100mΩ (at1A 6VDC)	
Contact Material	AgNi, AgSnO	
Contact Rating	14VDC	14VDC
	40A	30A(NO)/20A(NC) G:40A(NO)/30A(NC)
Max.Carry current	60A	60A(NO)/40A(NC)
Max.Continuous current	60A	60A(NO)/40A(NC)
Max.Make current ⁽¹⁾	120A	120A(NO)/45A(NC)
Min.Applicable load	6VDC, 100mA	
Mechanical life	1 x 10 ⁷ Ops	
Electrical life	1 x 10 ⁵ Ops	

COIL

Coil power	1.6W
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω	Allowable Overdrive VDC	
	20°C	20°C	20°C	20°C	85°C
6	3.9	0.6	22 ± 10%	10.1	7.9
12	7.8	1.2	85 ± 10%	20.2	16.7
24	15.6	2.4	350 ± 10%	40.5	31.5

Note(1):Inrush current for lamp load

CHARACTERISTICS

Initial Insulation Resistance	100MΩ, 500 VDC	
Dielectric Strength	Between coil and Contacts	500Vrms
	Between open contacts	500Vrms
Operate time (at nomi. Volt.)	7ms	
Release time (at nomi. Volt.)	5ms	
Temperature rise (at nomi. Volt.)	75°C max.	
Shock Resistance	Functional	100 m/s ²
	Destructive	200m/s ²
Vibration Resistance	1.5mm, 10 to 40Hz	
Humidity	98% +40°C	
Ambient temperature	-40°C to +85°C	
Termination	QC & PCB	
Unit weight	31g	
Construction	Dust Cover	

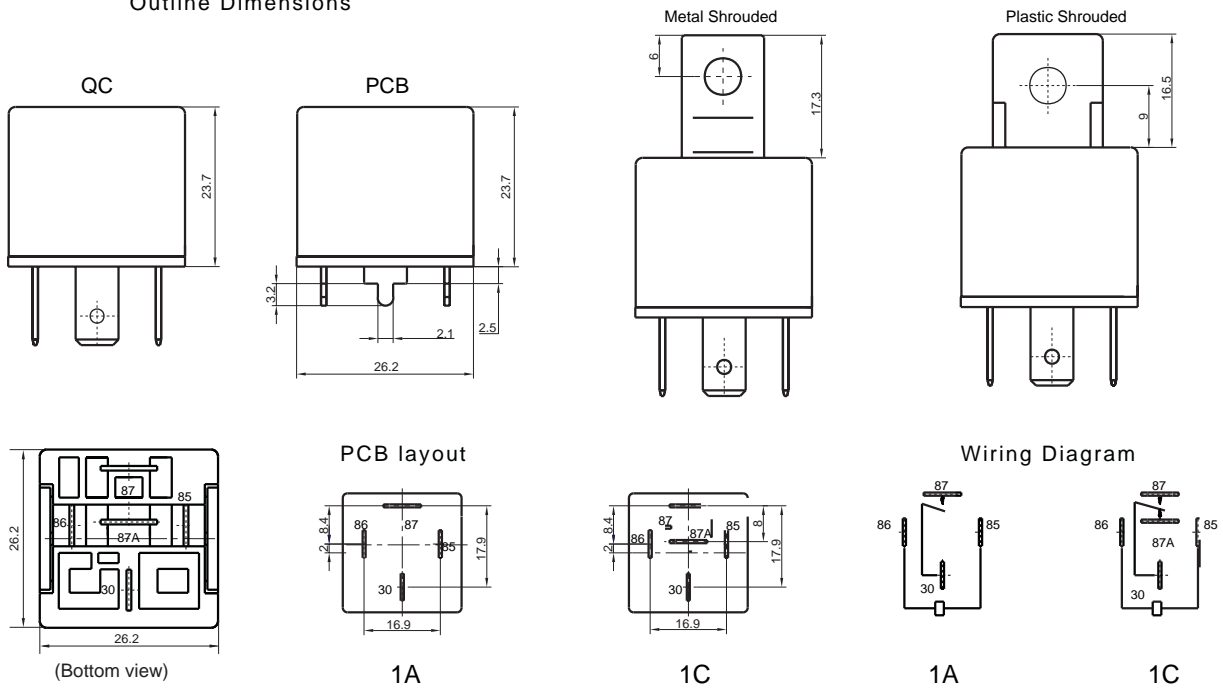


ORDERING INFORMATION

Type	HFV4 /	012	1H	1	G
Coil voltage	6, 12, 24VDC				
Contact arrangement	1H:1 Form A 1Z:1 Form C				
Version	1: QC terminal 2: PC terminal 4: Plastic Shrouded 6: Metal Shrouded				
Contact Material	Nil: standard G: high capacity				

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



CHARACTERISTICS CURVE

