

CHAF4 RELAY SERIES

40A Automotive Relays

FEATURES

- 40A Contact switching ability
- 1 Form A(SPST-NO)
 - 1 Form C(SPDT)
 - 2 Form A((DPST) contact arrangement
- Multiple installation mode
- Multiple working voltage
- Conform to RoHS、ELV directive

APPLICATION

Rear window Defroster\Battery cut-off device\Oil pumps control
 Air conditioning\Cooling fan control
 Fog lamps\Headlights control

PERFORMANCE DATA

Contact arrangement	1 Form A(SPST-NO) 1 Form C(SPDT) 2 Form A((DPST)
Contact voltage drop	Typ: 40mV(at 10A) Max: 200mV(at 10A)
Minimum load	1A 6VDC
Electrical endurance	1×10 ⁵ ops, Refer the load data list for details
Mechanical endurance	1×10 ⁷ ops, 300ops/min
Max.carry current①	NO: 40A (Resistive) NC: 30A (Resistive)
Dielectric strength	Between open contacts: 550VAC (1min,electric leakage <1mA)
	Between coil and contacts: 550VAC (1min,electric leakage <1mA)
Insulation resistance	100MΩ(500VDC)
Operation time	Max: 10ms (At nominal voltage)

Release time	Max:10ms (Measured within from rated voltage drop to the 0VDC and no coils to inhibit the circuit)
Ambient temperature	-40℃ ~ +125℃
Storage temperature	-40℃ ~ +155℃
Vibration resistance	10Hz~50Hz 2.5mm double amplitude
Shock resistance	196m/s ² (20g)
Terminal	Quick connect terminal (QC) Printed circuit terminals②
Enclosure	Dust cover type、Enclosure type
Mechanical property	Push&Pull force with Case and Base: ≥200N
	Push&Pull force with Terminal: ≥100N
	Terminal Anti-Bending force: (All direction) ≥10N
Weight	Type of metal mounting plate: Approx 31.2g
	Other models: Approx 28.8g

Remark : ①This parameter applies only to the coil rated voltage of 12VDC products.

②Our product is satisfied with RoHS, suggest use the lead-free solder, recommended soldering temperature is 240 ~ 260 ℃.

COIL DATA

23℃

	Nominal voltage (V.dc)	Operation Voltage (V.dc)	Releasing Voltage (V.dc)	Coil Resistance (Ω±10%) ①	Parallel resistance (Ω±5%)	Equivalent resistance (Ω)	Relay power (W)	Max. Coil voltage (v.dc)②	
								23℃	85℃
Regular model	6	3.9	0.6	22	—	—	1.6	10.1	7.9
	6	3.9	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.8	1.2	85	—	—	1.7	20.2	15.7
	12	7.8	1.2	85	680	75.6	1.9	20.2	15.7
	24	15.6	2.4	350	—	—	1.6	40.5	31.5
	24	15.6	2.4	350	2700	309.8	1.9	40.5	31.5
Special model	6	3.6	0.6	22	—	—	1.6	10.1	7.9
	6	3.6	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.2	1.2	90	—	—	1.6	20.2	15.7
	12	7.2	1.2	90	680	79.5	1.8	20.2	15.7
	24	14.4	2.4	360	—	—	1.6	40.5	31.5
	24	14.4	2.4	360	2700	317.6	1.8	40.5	31.5

Remark: ①Parallel resistance power is 0.5 W.

②In the case of no current with the contact, the relay allow to added the maximum voltage with coil, for example:
 for dust cover.

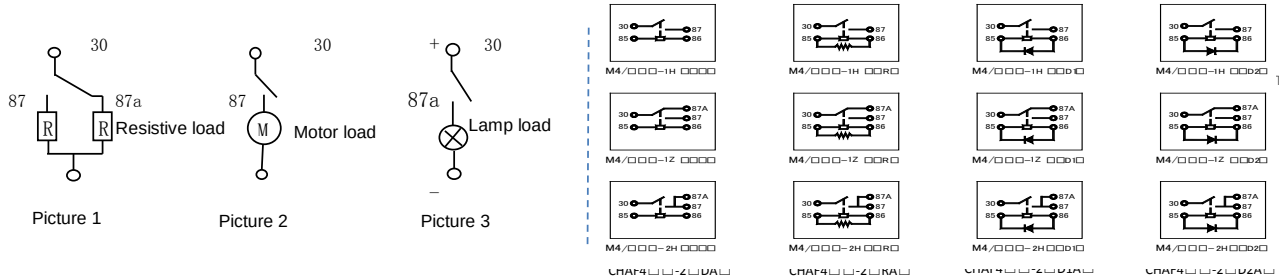


LOAD DATA

Contact load voltage	Load type		Contact load current (A)			Break-make ratio		Electrical endurance (ops)	Contact material	Test ambient temperature	Contact wiring diagrams③
			1C		1A	Make (S)	Break (S)				
			NO	NC	NO						
14VDC	Resistive	Make/Break	40	30	40	2	2	1×10 ⁵	AgSnInO2	23℃	Picture 1
		Motor	Make	100①	——	100①	1	9.5	1×10 ⁵	AgSnInO2	23℃
	Break		20	——	20						
	Lamp	Make	150②	——	150②	1	1	1×10 ⁵	AgSnInO2	23℃	Picture 3
		Break	30	——	30						
28 VDC	Resistive	Make/Break	30	20	30	2	2	1×10 ⁵	AgSnInO2	23℃	Picture 1

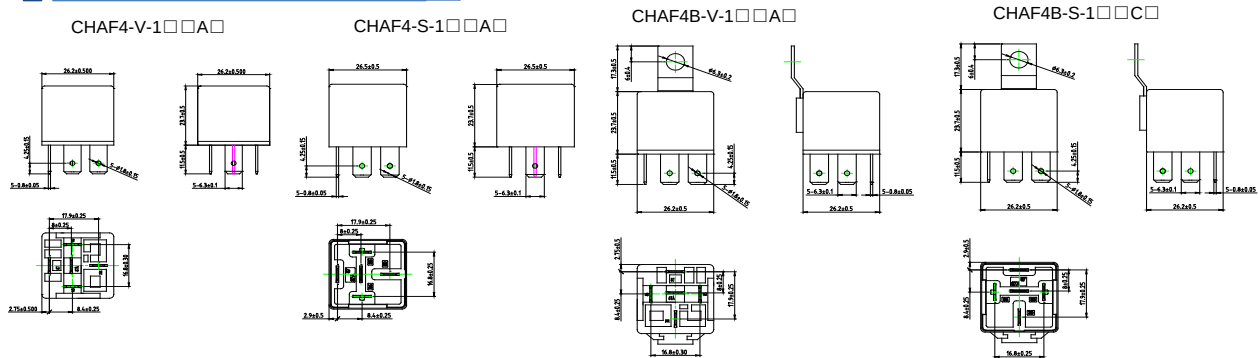
Note : ① Initial cold filament dust peak inrush current. ② The motor starts the inrush current. ③ The load wiring diagram is shown below.

Wiring diagrams



④ When the load condition can't match this table, Please provide Churod Electronics with the detailed usage conditions for more support.

OUTLINE DIMENSION UNIT:mm



Remark: the perpendicularity of terminal is 0.25 mm max

ORDERING INFORMATION

	CHAF4	P	-V	-1	12	D	A	2	000
1. Product Family									
2. Terminal									
(Blank): Straight plug without QC terminal									
P: PCB Terminal									
B: QC Terminal									
3. Enclosure									
V: Vented(Flux-tight), plastic cover.(RT II)									
S: Sealed, plastic cover.(RT III)									
4. Number of Poles									
1 = 1 Pole									
2 = 2 Pole									
5. Rated Coil Voltage									
06 = 06VDC									
12 = 12VDC									
24 = 24VDC									
6. Parallel Components									
D: No parallel components									
R: Parallel resistance									
D1: Parallel diode (Anode pick 86# pin)									
D2: Parallel diode (Anode pick 85# pin)									
7. Contact Arrangement									
A = Form A									
C = Form C									
8. Contact material									
2: AgSnInO ₂									
9. Additional numbers or letters									
000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements									

CHAF5 RELAY SERIES

50A Automotive Relays

FEATURES

- 50A Contact switching ability
- 1 Form A(SPST-NO)
1 Form C(SPDT) contact arrangement
2 Form A(DPST) contact arrangement
- Multiple installation mode
- Multiple working voltage
- Conform to RoHS、ELV directive

APPLICATION

Rear window defroster\Battery cut-off device\Oil pumps control
Air conditioning\Cooling fan control
Fog lamps\headlights control

PERFORMANCE DATA

Contact arrangement	1 Form A(SPST-NO) 1 Form C(SPDT) 2 Form A(DPST)
Contact voltage drop	Typ: 40mV(at 10A) Max: 200mV(at 10A)
Minimum load	1A 6VDC
Electrical endurance	1×10 ⁵ ops, Refer the load data list for details
Mechanical endurance	1×10 ⁷ ops, 300ops/min
Max.carry current①	NO: 50A (Resistive) NC: 30A (Resistive)
Dielectric strength	Between open contacts: 550VAC (1min,electric leakage <1mA)
	Between coil and contacts: 550VAC (1min,electric leakage <1mA)
Insulation resistance	100MQ(500VDC)
Operation time	Max: 10ms (At nominal voltage)

Releasing time	Max:10ms (Measured within from rated voltage drop to the 0VDC and no coils to inhibit the circuit)
Ambient temperature	-40℃ ~ +125℃
Storage temperature	-40℃ ~ +155℃
Vibration resistance	10Hz~50Hz 2.5mm double amplitude
Shock resistance	196m/s ² (20g)
Terminal	Quick connect terminal (QC) Printed circuit terminals②
Enclosure	Dust cover type、Enclosure type
Mechanical property	Push&Pull force with Case and Base: ≥200N
	Push&Pull force with Terminal: ≥100N
	Terminal Anti-Bending force: (All direction) ≥10N
Weight	Type of metal mounting plate: Approx 31.2g
	Other models: Approx 28.8g

Remark : ①This parameter applies only to the coil rated voltage of 12VDC products.

②Our product is satisfied with RoHS, suggest use the lead-free solder, recommended soldering temperature is 240 ~ 260 ℃.

COIL DATA

23℃

	Nominal voltage (V.dc)	Operation Voltage (V.dc)	Releasing Voltage (V.dc)	Coil Resistance (Ω±10%) ①	Parallel resistance (Ω±5%)	Equivalent resistance (Ω)	Relay power (W)	Max. Coil voltage (v.dc)②	
								23℃	85℃
Regular model	6	3.9	0.6	22	—	—	1.6	10.1	7.9
	6	3.9	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.8	1.2	85	—	—	1.7	20.2	15.7
	12	7.8	1.2	85	680	75.6	1.9	20.2	15.7
	24	15.6	2.4	350	—	—	1.6	40.5	31.5
Special model	24	15.6	2.4	350	2700	309.8	1.9	40.5	31.5
	6	3.6	0.6	22	—	—	1.6	10.1	7.9
	6	3.6	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.2	1.2	90	—	—	1.6	20.2	15.7
	12	7.2	1.2	90	680	79.5	1.8	20.2	15.7
	24	14.4	2.4	360	—	—	1.6	40.5	31.5
	24	14.4	2.4	360	2700	317.6	1.8	40.5	31.5

Remark: ①Parallel resistance power is 0.5 W.

②In the case of no current with the contact, the relay allow to added the maximum voltage with coil, for example:
for dust cover.

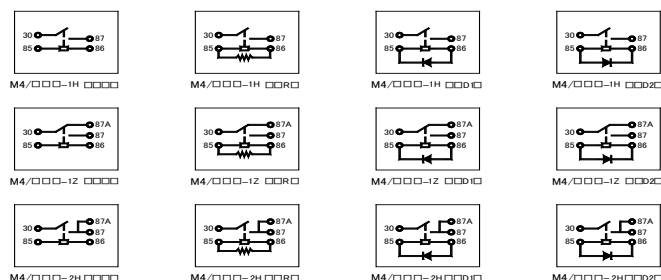


Note : ①Initial cold filament dust peak inrush current.②The motor starts the inrush current.③The load wiring diagram is shown below.

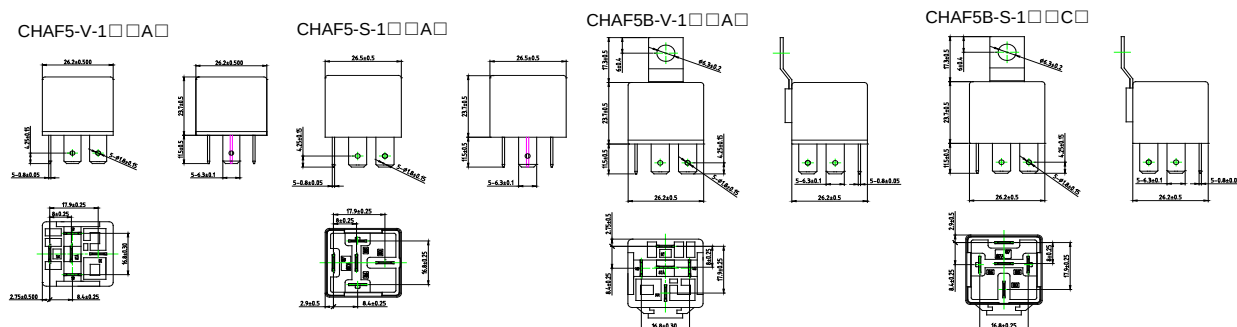
Picture 1

Picture 2

Picture 3



OUTLINE DIMENSION UNIT:mm



ORDERING INFORMATION

CHAF5 P -V -1 12 D A 2 000

000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements

CHAF6 RELAY SERIES

60A Automotive Relays

FEATURES

- 60A Contact switching ability
- 1 Form A(SPST-NO)
1 Form C(SPDT) contact arrangement
2 Form A(DPST) contact arrangement
- Multiple installation mode
- Multiple working voltage
- Conform to RoHS、ELV directive

APPLICATION

Rear window defroster\Battery cut-off device
Air conditioning\Oil pumps control\klaxon control
Cooling fan control\Fog lamps\Headlights control
Anti-lock Braking (ABS)



PERFORMANCE DATA

Contact arrangement	1 Form A(SPST-NO) 1 Form C(SPDT)
Contact voltage drop	Typ: 40mV(at 10A) Max: 200mV(at 10A)
Minimum load	1A 6VDC
Electrical endurance	1×10 ⁵ ops. Refer the load data list for details
Mechanical endurance	1×10 ⁷ ops, 30ops/min
Max.carry current①	NO: 60A (Resistive) NC: 30A (Resistive)
Dielectric strength	Between open contacts: 550VAC (1min,electric leakage <1mA)
	Between coil and contacts: 550VAC (1min,electric leakage <1mA)
Insulation resistance	100MQ(500VDC)
Operation time	Max: 10ms (At nominal voltage)

Releasing time	Max:10ms (Measured within from rated voltage drop to the 0VDC and no coils to inhibit the circuit)
Ambient temperature	-40℃ ~ +125℃
Storage temperature	-40℃ ~ +155℃
Vibration resistance	10Hz~50Hz 2.5mm double amplitude
Shock resistance	196m/s ² (20g)
Terminal	Quick connect terminal (QC) Printed circuit terminals②
Enclosure	Dust cover type、Enclosure type
Mechanical property	Push&Pull force with Case and Base: ≥200N
	Push&Pull force with Terminal: ≥100N
	Terminal Anti-Bending force: (All direction) ≥10N
Weight	Type of metal mounting plate: Approx 33.2 g
	Other models: Approx 30.8 g

Remark : ①This parameter applies only to the coil rated voltage of 12VDC products.

②Our product is satisfied with RoHS, suggest use the lead-free solder, recommended soldering temperature is 240 ~ 260 ℃.

COIL DATA

23℃

	Nominal voltage (V.dc)	Operation Voltage (V.dc)	Releasing Voltage (V.dc)	Coil Resistance (Ω±10%) ①	Parallel resistance (Ω±5%)	Equivalent resistance (Ω)	Relay power (W)	Max. Coil voltage (v.dc)②	
								23℃	85℃
Regular model	6	3.9	0.6	22	—	—	1.6	10.1	7.9
	6	3.9	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.8	1.2	85	—	—	1.7	20.2	15.7
	12	7.8	1.2	85	680	75.6	1.9	20.2	15.7
	24	15.6	2.4	350	—	—	1.6	40.5	31.5
	24	15.6	2.4	350	2700	309.8	1.9	40.5	31.5
Special model	6	3.6	0.6	22	—	—	1.6	10.1	7.9
	6	3.6	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.2	1.2	90	—	—	1.6	20.2	15.7
	12	7.2	1.2	90	680	79.5	1.8	20.2	15.7
	24	14.4	2.4	360	—	—	1.6	40.5	31.5
	24	14.4	2.4	360	2700	317.6	1.8	40.5	31.5

Remark: ①Parallel resistance power is 0.5 W.

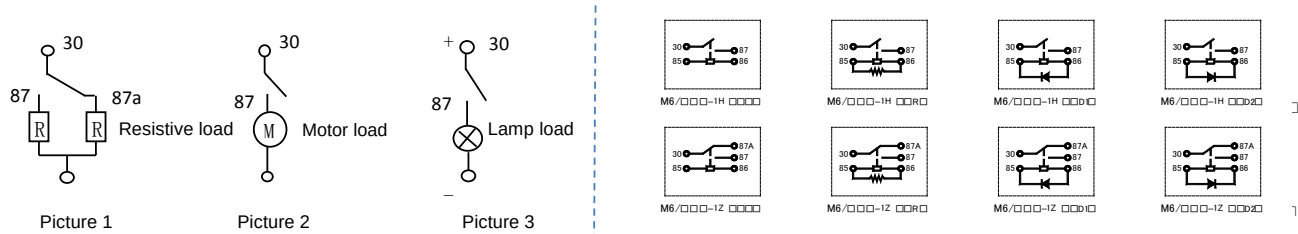
②In the case of no current with the contact, the relay allow to added the maximum voltage with coil, for example:
for dust cover.

LOAD DATA

Contact load voltage	Load type		Contact load current（A）			Break-make ratio		Electrical endurance（ops）	Contact material	Test ambient temperature	Contact wiring diagrams③
			1C		1A	Make（S）	Break（S）				
			NO	NC	NO						
14VDC	Resistive	Make/Break	60	30	60	2	2	1×10 ⁵	AgSnInO ₂	23℃	Picture 1
		Motor	Make	150①	——	150①	1	9.5	1×10 ⁵	AgSnInO2	23℃
	Break		30	——	30						
	Lamp	Make	180②	——	180②	1	1	1×10 ⁵	AgSnInO2	23℃	Picture 3
		Break	30	——	30						
28 VDC	Resistive	Make/Break	40	20	40	2	2	1×10 ⁵	AgSnInO2	23℃	Picture 1

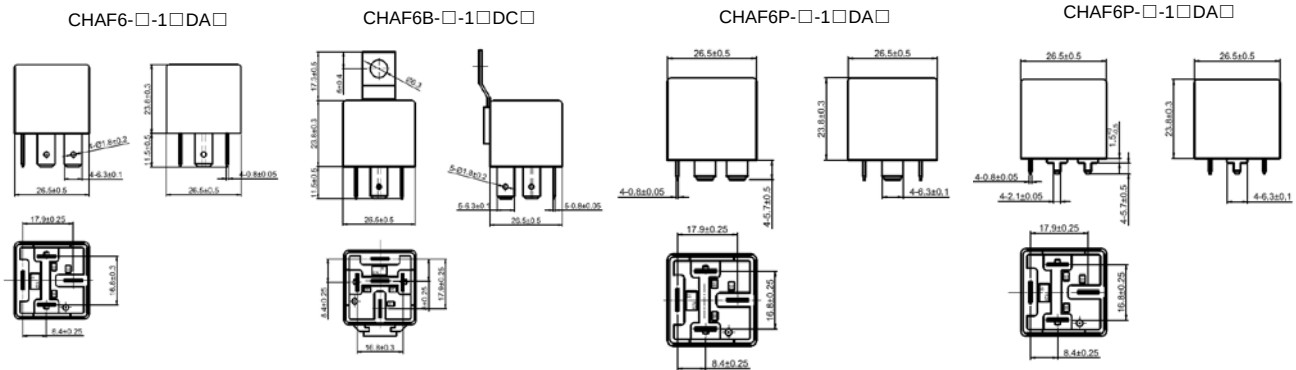
Note : ①Initial cold filament dust peak inrush current.②The motor starts the inrush current.③The load wiring diagram is shown below.

Wiring diagrams



④When the load condition does not match this table, Please provide Churod Electronics with the detailed usage conditions for more support.

OUTLINE DIMENSION UNIT:mm



Remark: the perpendicularity of terminal is 0.25 mm max

ORDERING INFORMATION

	CHAF6	P	-V	-1	12	D	A	2	000
1. Product Family									
2. Terminal									
(Blank): Straight plug without QC terminal P:PCB terminal B: QC terminal									
3. Enclosure									
V: Vented(Flux-tight),plastic cover.(RT II) S: Sealed,plastic cover.(RT III)									
4. Number of Poles									
1 = 1 Pole 2 = 2 Pole									
5. Rated Coil Voltage									
06 =06VDC 12 =12VDC 24 =24VDC									
6. Parallel Components									
D: No parallel components R: Parallel resistance D1: Parallel diode (Anode pick 86# foot) D2:Parallel diode (Anode pick 85# foot)									
7. Contact Arrangement									
A = Form A C = Form C									
8.Contact material									
2: AgSnInO ₂									
9. Additional numbers or letters									
000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements									

CHAF7 RELAY SERIES

70A Automotive Relays

FEATURES

- 70A Contact switching ability
- 1 Form A(SPST-NO)
 - 1 Form C(SPDT)
 - 2 Form A((DPST)contact arrangement
- Multiple installation mode
- Multiple working voltage
- Conform to RoHS、ELV directive

APPLICATION

Rear window defroster/heating control/Air conditioning
 Oil pumps control/klaxon control/Battery cut-off device
 Cooling fan control/Fog lamps/headlights control
 Anti-lock Braking (ABS)



PERFORMANCE DATA

Contact arrangement	1 Form A(SPST-NO) 1 Form C(SPDT)
Contact voltage drop	Typ: 40mV(at 10A) Max: 200mV(at 10A)
Minimum load	1A 6VDC
Electrical endurance	1×10 ⁵ ops. Refer the load data list for details
Mechanical endurance	1×10 ⁷ ops. 30ops/min
Max.carry current①	NO: 70A (Resistive) NC: 30A (Resistive)
Dielectric strength	Between open contacts: 550VAC (1min,electric leakage <1mA) Between coil and contacts: 550VAC (1min,electric leakage <1mA)
Insulation resistance	100MQ(500VDC)
Operation time	Max: 10ms (At nominal voltage)

Releasing time	Max:10ms (Measured within from rated voltage drop to the 0VDC and no coils to inhibit the circuit)
Ambient temperature	-40℃ ~ +125℃
Storage temperature	-40℃ ~ +155℃
Vibration resistance	10Hz~50Hz 2.5mm double amplitude
Shock resistance	196m/s ² (20g)
Terminal	Quick connect terminal (QC) Printed circuit terminals②
Enclosure	Dust cover type、Enclosure type
Mechanical property	Push&Pull force with Case and Base: ≥200N Push&Pull force with Terminal: ≥100N Terminal Anti-Bending force: (All direction) ≥10N
Weight	Type of metal mounting plate: Approx 38.5 g Other models: Approx 36.1 g

Remark : ①This parameter applies only to the coil rated voltage of 12VDC products.

②Our product is satisfied with RoHS, suggest use the lead-free solder, recommended soldering temperature is 240 ~ 260 ℃.

COIL DATA

23℃

	Nominal voltage (V.dc)	Operation Voltage (V.dc)	Releasing Voltage (V.dc)	Coil Resistance (Ω±10%) ①	Parallel resistance (Ω±5%)	Equivalent resistance (Ω)	Relay power (W)	Max. Coil voltage (v.dc)②	
								23℃	85℃
Regular model	6	3.9	0.6	22	—	—	1.6	10.1	7.9
	6	3.9	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.8	1.2	85	—	—	1.7	20.2	15.7
	12	7.8	1.2	85	680	75.6	1.9	20.2	15.7
	24	15.6	2.4	350	—	—	1.6	40.5	31.5
	24	15.6	2.4	350	2700	309.8	1.9	40.5	31.5
Special model	6	3.6	0.6	22	—	—	1.6	10.1	7.9
	6	3.6	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.2	1.2	90	—	—	1.6	20.2	15.7
	12	7.2	1.2	90	680	79.5	1.8	20.2	15.7
	24	14.4	2.4	360	—	—	1.6	40.5	31.5
	24	14.4	2.4	360	2700	317.6	1.8	40.5	31.5

Remark: ①Parallel resistance power is 0.5 W.

②In the case of no current with the contact, the relay allow to added the maximum voltage with coil, for example:

for dust cover.

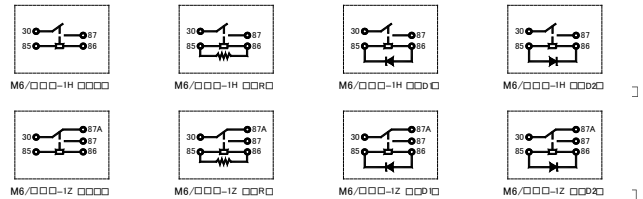
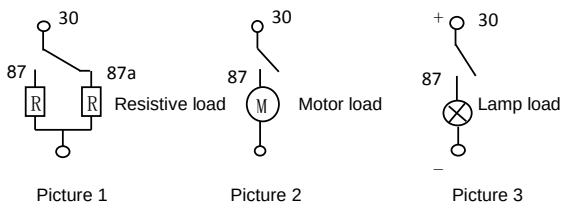
LOAD DATA

Contact load voltage	Load type		Contact load current（A）			Break-make ratio		Electrical endurance（ops）	Contact material	Test ambient temperature	Contact wiring diagrams③
			1C		1A	Make（S）	Break（S）				
			NO	NC	NO						
14VDC	Resistive	Make/Break	70	30	70	2	2	1×10 ⁵	AgSnInO ₂	23℃	Picture 1
		Motor	Make	150②	——	150②	1	9.5	1×10 ⁵	AgSnInO2	23℃
	Lamp		Break	80	——	80	1	1	1×10 ⁵	AgSnInO2	23℃
		Make	200②	——	200②						
		Break	40	——	40						
28 VDC	Resistive	Make/Break	40	20	40	2	2	1×10 ⁵	AgSnInO2	23℃	Picture 1

Note : ①The motor starts the inrush current. ②Initial cold filament dust peak inrush current.

③The load wiring diagram is shown below:

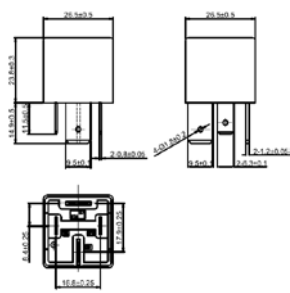
Wiring diagrams



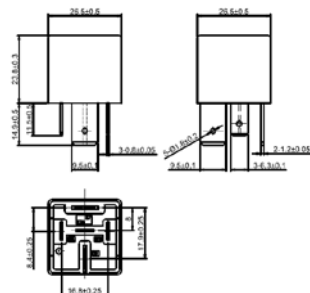
④When the load condition does not match this table, Please provide Churod Electronics with the detailed usage conditions for more support.

OUTLINE DIMENSION UNIT:mm

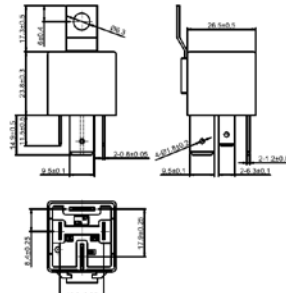
CHAF7-□-1□□A□



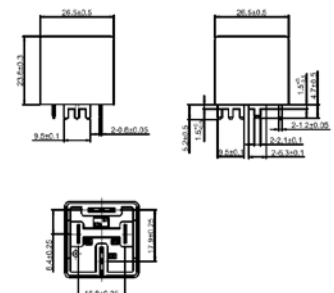
CHAF7-□-1□□□□



CHAF7B-□-1□□A□



CHAF7P-□-1□□A□



Remark: the perpendicularity of terminal is 0.25 mm max

ORDERING INFORMATION

	CHAF7	P	-V	-1	12	D	A	2	000
1. Product Family									
2.Terminal									
(Blank): Straight plug without QC terminal P:PCB terminal B: QC terminal									
3. Enclosure									
V: Vented(Flux-tight),plastic cover.(RT II) S: Sealed,plastic cover.(RT III)									
4. Number of Poles									
1 = 1 Pole 2 = 2 Pole									
5. Rated Coil Voltage									
06 =06VDC 12 =12VDC 24 =24VDC									
6. Parallel Components									
D: No parallel components R: Parallel resistance D1: Parallel diode (Anode pick 86# pin) D2:Parallel diode (Anode pick 85# pin)									
7. Contact Arrangement									
A = Form A C = Form C									
8.Contact material									
2: AgSnInO ₂									
9. Additional numbers or letters									
000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements									

CHAF8 RELAY SERIES

80A Automotive Relays

FEATURES

- 80A Contact switching ability
- 1 Form A(SPST-NO)
- Multiple installation mode
- Multiple working voltage
- Conform to RoHS、ELV directive

APPLICATION

Rear window defogger/heating control/Air conditioning
Oil pumps control/klaxon control/Battery cut-off device
Cooling fan control/Fog lamps/headlights control
Anti-lock Braking (ABS)

PERFORMANCE DATA

Contact arrangement	1 Form A(SPST-NO)
Contact voltage drop	Typ: 40mV(at 10A)
	Max: 200mV(at 10A)
Minimum load	1A 6VDC
Electrical endurance	1×10 ⁵ ops, Refer the load data list for details
Mechanical endurance	1×10 ⁷ ops, 30ops/min
Max.carry current①	NO: 80A (Resistive)
Dielectric strength	Between open contacts: 550VAC (1min,electric leakage <1mA)
	Between coil and contacts: 550VAC (1min,electric leakage <1mA)
Insulation resistance	100MΩ(500VDC)
Operation time	Max: 10ms (At nominal voltage)

Release time	Max:10ms (Measured within from rated voltage drop to the 0VDC and no coils to inhibit the circuit)
Ambient temperature	-40℃ ~ +125℃
Storage temperature	-40℃ ~ +155℃
Vibration resistance	10Hz~50Hz 2.5mm double amplitude
Shock resistance	196m/s ² (20g)
Terminal	Quick connect terminal (QC)
	Printed circuit terminals②
Enclosure	Dust cover type、Enclosure type
Mechanical property	Push&Pull force with Case and Base: ≥200N
	Push&Pull force with Terminal: ≥100N
	Terminal Anti-Bending force: (All direction) ≥10N
Weight	Type of metal mounting plate: Approx 40.2 g
	Other models: Approx 37.8 g

Remark : ①This parameter applies only to the coil rated voltage of 12VDC products.

②Our product is satisfied with RoHS, suggest use the lead-free solder, recommended soldering temperature is 240 ~ 260 ℃.

COIL DATA

23℃

	Nominal voltage (V.dc)	Operation Voltage (V.dc)	Releasing Voltage (V.dc)	Coil Resistance (Ω±10%) ①	Parallel resistance (Ω±5%)	Equivalent resistance (Ω)	Relay power (W)	Max. Coil voltage (v.dc)②	
								23℃	85℃
Regular model	6	3.9	0.6	22	—	—	1.6	10.1	7.9
	6	3.9	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.8	1.2	85	—	—	1.7	20.2	15.7
	12	7.8	1.2	85	680	75.6	1.9	20.2	15.7
	24	15.6	2.4	350	—	—	1.6	40.5	31.5
	24	15.6	2.4	350	2700	309.8	1.9	40.5	31.5
Special model	6	3.6	0.6	22	—	—	1.6	10.1	7.9
	6	3.6	0.6	22	180	19.6	1.8	10.1	7.9
	12	7.2	1.2	90	—	—	1.6	20.2	15.7
	12	7.2	1.2	90	680	79.5	1.8	20.2	15.7
	24	14.4	2.4	360	—	—	1.6	40.5	31.5
	24	14.4	2.4	360	2700	317.6	1.8	40.5	31.5

Remark: ①Parallel resistance power is 0.5 W.

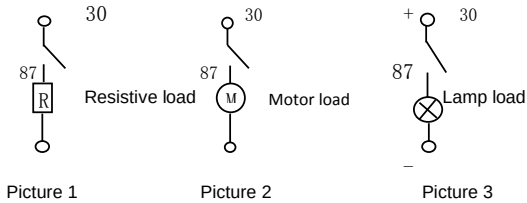
②In the case of no current with the contact, the relay allow to added the maximum voltage with coil, for example:
for dust cover.

LOAD DATA

Contact load voltage	Load type		Contact load current (A)		Break-make ratio		Electrical endurance (ops)	Contact material	Test ambient temperature	Contact wiring diagrams③
			1A		Make (S)	Break (S)				
			NO							
14VDC	Resistive	Make/Break	80	2	2	1×10 ⁵	AgSnInO ₂	23℃	Picture 1	
	Motor	Make	160①	1	9.5	1×10 ⁵	AgSnInO2	23℃	Picture 2	
		Break	50							
	Lamp	Make	210②	1	1	1×10 ⁵	AgSnInO2	23℃	Picture 3	
		Break	50							
28 VDC	Resistive	Make/Break	50	2	2	1×10 ⁵	AgSnInO2	23℃	Picture 1	

Note : ①The motor starts the inrush current. ②Initial cold filament dust peak inrush current.

③The load wiring diagram is shown below:



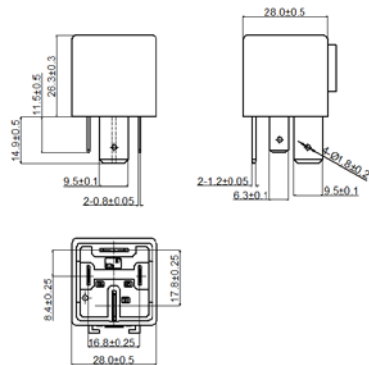
Wiring diagrams



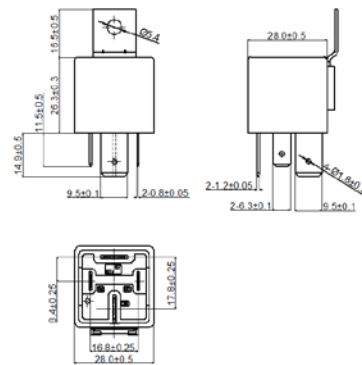
④When the load condition does not match this table, Please provide Churod Electronics with the detailed usage conditions for more support.

OUTLINE DIMENSION UNIT:mm

CHAF8-□-□□□□



CHAF8B-□-□□□□



Remark: the perpendicularity of terminal is 0.25 mm max

ORDERING INFORMATION

CHAF8 P -V -1 12 D A 2 000

1. Product Family

2.Terminal

(Blank): Straight plug without QC terminal
P:PCB terminal B: QC terminal

3. Enclosure

V: Vented(Flux-tight),plastic cover.(RT II)
S: Sealed,plastic cover.(RT III)

4. Number of Poles

1 = 1 Pole

5. Rated Coil Voltage

06 =06VDC 12 =12VDC 24 =24VDC

6. Parallel Components

D: No parallel components R: Parallel resistance
D1: Parallel diode (Anode pick 86# pin) D2:Parallel diode (Anode pick 85# pin)

7. Contact Arrangement

A = Form A

8.Contact material

2: AgSnInO₂

9. Additional numbers or letters

000-999, AAA-ZZZ, aaa-zzz or blank, which does not represent electrical changes, only for specific customer requirements