

Automotive Relay

TRV6

- 80A continuous rating 85℃
- 1A,1B&1C arrangements
- Plug-in or PC board terminals
- Optional mounting bracket



28×28×23.7

■ ORDERING CODE

TRV6 — 12VDC (D1) — 1Z — F — P1

1 2 3 4 5 6

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| 1. Relay Model | 4. Contact Form |
| 2. Coil Nominal Voltage
6,12,24VDC | 1Z: Form 1C
1H: Form 1A
1D: Form 1B |
| 3. None: Standard
R1: Coil parallel with 1/2W resistor 680 Ω for
Coil voltage 12VDC; 2700 Ω for coil voltage 24VDC
D1: Coil parallel with diode IN4007 the positive
pole "+" on #85 terminal
D2: Coil parallel with diode IN4007 the positive
pole "-" on #85 terminal | 5. F: WITH BRACKET
None: WITHOUT BRACKET
6. P1: PCB Type 5.3mm
P2: PCB Type 3.2mm
None: B Type |

■ COIL DATA

Nominal Voltage (VDC)	6	12	24	1.8W
Coil Resistance (Ω)	20	80	320	
Rated Current (mA)	300	150	75	
Max Operate Voltage (VDC)	3.9	7.8	15.6	
Min Release Voltage (VDC)	0.6	1.2	2.4	
Max Applicable Voltage	130% at 70℃, 170% at 23℃			

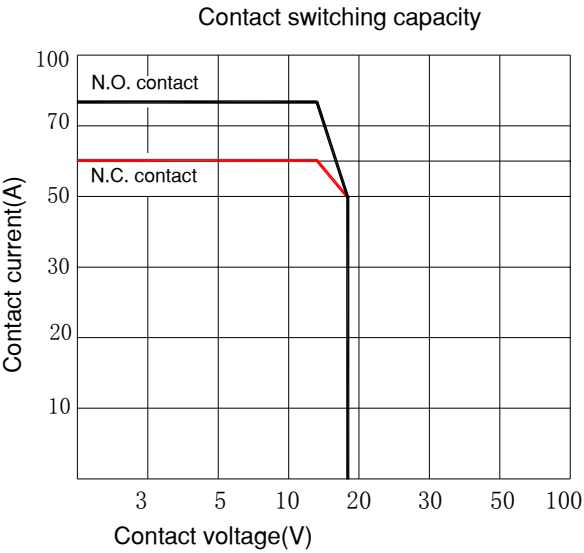
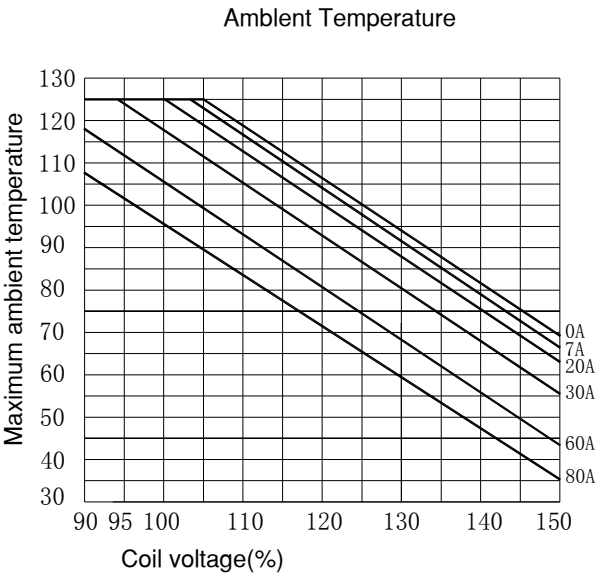
■ CONTACT DATA

Contact Form	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ 1)
Contact Ratings	NO: 50A 14VDC NC: 40A 14VDC
	NO: 80A 14VDC NC: 60A 14VDC
Minimum load	0.5A 12VDC
Max Switching Voltage	75VDC
Max Switching Current	80A
Max Switching Power	980W
Contact Resistance	100m Ω Max at 6VDC 1A
Life Expectancy	Electrical: 100,000 Operations(at 30 Operations/minute)
	Mechanical: 10,000,000 Operations(at 3000 Operations/minute)

■CENTACT DATA

Insulation Resistance	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts	500VAC(for one minute)
Between Contacts and coil	500VAC(for one minute)
Operate Time	7ms
Release Time	5ms
Temperature Range	-40℃to+85℃
Shock Resistance	Operating Extremes: 20G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000 operations/hr
	Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx 46g
Safety Standard	

■ENGINEERING DATA



OVERALL AND MOUNTING DIMENSIONS

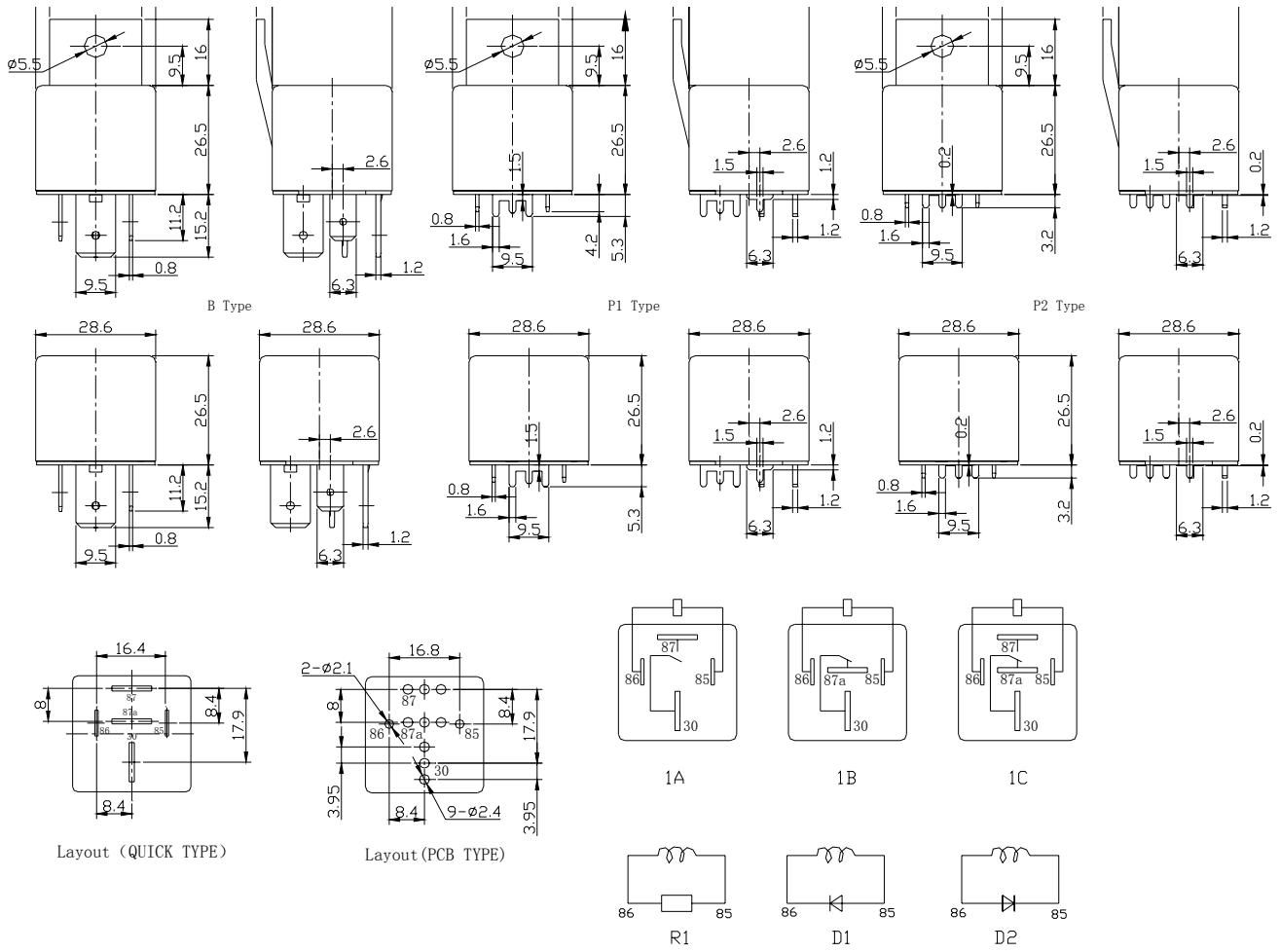


Таблица возможной замены реле

силовые реле

HONGFA	TIANBO	SONGLE	HELISUN	OMRON
HF3FF	HJR-3FF	SRD(T73)	HLS8-T73	G5L
HF10FF-2			HLS-MK2P	MK2
HF10FF-3Z			HLS-MK3P	MK3
HF13F			HLS-13F	
HF18FF	HJQ-22		HLS-4453(18F)-4	MY4
HF21FF	HJR-21FF	SRU(22F)	HLS8-22F	G5L-E
HF32F	TRG1	SRSB	HLS-32F	835/835NL
HF32FA/32FA-T	TRG1	SRSB	HLS-32F	835/835NL
HF32FA-G	TRG1	SRSB	HLS-32F	835/835NL
HF33F	TRG2	SRSC	HLS-33F	G5SB
HF62F	TRA2F	SMIH(14FHA)	HLS-14FK	G5J
HF46F/HF46F-G	TRGB			202/202H
HF49FD				G5J
HF102F	TRAF		HLS-102F	G4A
HF115F	TRC2	SMIH(14FH)	HLS-14F2	G2RL
HF115FP	TRC3	SMIH(14FH)	HLS-14F3	
HF140FF	TRA3		HLS-14F	G2R/G2RG
HF13F	HJQ-13F-2C	SMB(13F)	HLS-13F-2	LY2
HF2100	HJQ-15F-1	SLC(T91)	HLS-T91(16F)-1	G7G
HF105F - 4	HJQ-15F-3	SLCH(T92)		
HF105F-1	HJQ-15F	SLA(T90)	HLS-T90(15F)	G8P
HF2160	HJQ-15F-2	SLI(T93)	HLS-T91(16F)-2	G7G/G8G
HF165FD	HJQ-15F	SLA	HLS-T90(15F)	G8P
JQC-21FF	HJR-21FF	SRD(T73)	HLS8-22F	
HF7FF	HJR-7FF	SRG(4123)	HLS8-T73	
HF141FF	TRA1		HLS-14F1	G2R
HF14FW	TRA2	SMIH(14FH)	HLS-14F2	G2R
HF14FF	TRA1		HLS-14F	G2R
HF36F	TRA4			
HF42F	TRA5			G5PA-2
HF8	TRDH	SRI(T72)	HLS-T72	
HF102F			HLS-102F	G4A
HLS-4453(18F)-2		SMBH(4453)	HLS-4453(18F)-2	MY2
HF18FF-3Z			HLS-4453(18F)-3	MY3

сигнальные реле

HONGFA	TIANBO	SONGLE	HELISUN	OMRON
HFD2	HJR1	SRC	HLS-4078	G5V-2
HFD4				
HFD27	HJR1-2	SRC	HLS-4078	G5V-2
HFD41	HJR4102	SRS		
HF41F			HLS6-4100H-1	G2E
HM4101F	HJR4102E			
HFD23			HLS6-23F	G5V-1

автомобильные реле

HONGFA	TIANBO	SONGLE	HELISUN	OMRON
HFKM, HFKS	TRAW	SLE(4117)	HLS-4117	
HVF6	TRFM			G8HN
HFKP	TRKP	SLB	HLS-4120	G8PE
	TRS			
	TRV3			
HFV4	TRV4	SLD	HLS-CMA3	G8JN
	TRV5			
HFV7	TRV6	SLDH	HLS-CMA3-1	G8JR
HFKW	HJR78F	SRA(T74)	HLS-T78	G8QN
			HLS-4121/4122	
HFV6		SLM	HLS-CMA6	G8H