SIGNAL RELAYS

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SOLID STATE RELAYS CMS 65 65 SSR5

Category	SIGNAL RELAY		
Product Model	HRA	HRB1	HRS1
Relay Picture	A PARTIE OF THE		FIRST N. 2 TO STATE OF THE STAT
Dimensions L×W×H(mm)	10.2×7.4×10.0	12.3×7.3×10.2	15.6×10.6×11.8
Safety Standards	c 91 us	c R 2	c A us 🛕 🚥
Characteristics	■ Microminiature relay ■ Light weight ■ Contact: 1 Form C (SPDT)	■ Microminiature relay ■ Light weight ■ Contact: 1 Form C ■ High sensitivity 150mW	 Microminiature relay High sensitivity Contact: 1 Form C Max. Switching capacity 3A
Contact Form	1C	1C	1C
Contact Rating (Resistive Load)	1A 120VAC/24VDC	1A 125VAC/24VDC 2A 125VAC/24VDC	1A 120VAC/24VDC 3A 120VAC/24VDC
Max. Switching Voltage	120VAC/30VDC	125VAC/60VDC	220VAC/30VDC
Max. Switching Current	2A	2A	3A
Max. Switching Power	120VA,30W	250VA,48W	360VA,72W
Min. Switching Load	5VDC,10mA	5VDC,10mA	5VDC,10mA
Coil Voltage	3~24VDC	3~24VDC	3~24VDC
Coil Power (mW)	330mW,450mW	150mW	200mW,360mW
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 500VAC,1min ② 500VAC,1min	① 500VAC,1min ②1,000VAC,1min	① 750VAC,1min ② 1,000VAC,1min
Electrical Life (ops.)	100,000	100,000	100,000(1A 120VAC/24VDC) 50,000(3A 120VAC/24VDC)
Operating Temperature	-25°C to +70°C	-40°C to +70°C	-25°C to +70°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	1.5±0.3 254±0.1 5.08±0.1 1	125±0.3 25±0.1 7.62±0.1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	254401 10.16±0.1 1.3±0.3
Weight (Approximately)	1.4g	2.1g	3.0g
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Category	SIGNAL RELAY		
Product Model	HRS1K	HRS2H	
Relay Picture	ME W. S. O.	Hosping Hosping In the Company of th	
Dimensions L×W×H (mm)	15.6×10.6×11.8	20.3×10.0×11.4	
Safety Standards	cal cac	c Al us 🛕 œ	
Characteristics	 Microminiature relay High sensitivity Contact: 1 Form C Dielectric strength of 2500V between coil and contacts 	 Microminiature relay High sensitivity 2 Form C contacts (DPDT) 	
Contact Form	1C	2C	
Contact Rating (Resistive Load)	1A 120VAC/24VDC 3A 120VAC/24VDC	1A 120VAC/24VDC 2A 120VAC/24VDC	
Max. Switching Voltage	220VAC/30VDC	240VAC/120VDC	
Max. Switching Current	3A	2A	
Max. Switching Power	360VA,72W	240VA,60W	
Min. Switching Load	5VDC,10mA	5VDC,10mA	
Coil Voltage	3~24VDC	3~48VDC	
Coil Power (mW)	200mW,360mW	150mW、200mW、360mW、450mW	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 750VAC,1min ②Standard: 1,500VAC, 1 min ②E: 2,500VAC, 1 min	① 500VAC,1min ② 1,000VAC,1min	
Electrical Life (ops.)	100,000 (1A 120VAC/24VDC) 50,000 (3A 120VAC/24VDC)	100,000	
Operating Temperature	-25°C to +70°C	-25°C to +70°C	
Terminal Type	PCB	PCB	
Terminal Layout (Bottom View) (mm)	5-01.0°0.1 	8-Φ1.0 ^{+0.1}	
Weight (Approximately)	3.0g	5.0g	

Category	POWER RELAY			
Product Model	HRS1KH3	HRS3	HRS3F	
Relay Picture	100 100 100 100 100 100 100 100 100 100		A Company of the Comp	
Dimensions L×W×H (mm)	15.6×10.6×11.8	18.6×10.4×15.8	18.2×10.2×15.5	
Safety Standards	c Al us cec	cac A cac	⇔ <u>∆</u> ∞	
Characteristics	 Microminiature relay High sensitivity Contact: 1 Form A Switching capacity 3A 	 Microminiature relay Max. Switching capacity: 10A Contact: 1 Form A, 1 Form C 	 Microminiature relay 5A switching capacity Contact: 1 Form A Reinforced insulation between coil and contact 	
Contact Form	1A	1A,1C	1A	
Contact Rating (Resistive Load)	3A 220VAC/30VDC	A:10A250VAC,5A 250VAC/28VDC C:NO/NC:5A/3A250VAC/28VDC	5A 250VAC/30VDC Horsepower : 1/3HP 240VAC(0.45W) 1/4HP 240VAC	
Max. Switching Voltage	220VAC/30VDC	250VAC/28VDC	277VAC/30VDC	
Max. Switching Current	3A	10A	5A	
Max. Switching Power	660VA,90W	1,250VA,280W	1,250VA,150W	
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA	
Coil Voltage	3∼24VDC	3~24VDC	3~24VDC	
Coil Power (mW)	200mW	200mW,450mW	200mW,450mW	
① Open Contacts ② Coil and Contacts	① 750VAC,1min ②1,000VAC,1min	① 1,000VAC,1min ② A: 3,500VAC,1 min ② C: 2,500VAC,1 min	① 1,000VAC,1min ② 4,000VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-25°C to +70°C	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	PCB	
Terminal Layout (Bottom View) (mm)	4.01.0°0.1 4.01.0°0.1 2.544.0.1 10.1640.1 1.340.3	5-Ø13*0.1 	4-Ø13 *0.1 0 0 1.7±0.3 12.7±0.1	
Weight (Approximately)	3.5g	6.0g	6.0g	
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Category	POWER RELAY			
Product Model	HRS3FN	HRS3FT	HRS3T	
Relay Picture		HE 32 L HE SOFT IS LED THA THE SOFT IS LED THAT THE SOFT IS LED THE SOFT HE SOFT IS LED THE SOFT IN THE SOFT IS LED THE SOFT IN THE SOFT IS LED THE SOFT IN THE SO	7 15 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
Dimensions L×W×H (mm)	18.2×10.2×15.5	18.2×10.2×15.5	20.9×10.2×15.5	
Safety Standards	c ≈l us 🛕 œ	cac 🛕 cac	c Al us 🛕 œ	
Characteristics	 Microminiature relay 10A switching capacity Contact: 1 Form A Reinforced insulation between coil and contact 	 Microminiature relay 16A switching capacity Contact: 1 Form A Reinforced insulation between coil and contact Dielectric strength of 4000V between coil and contacts TV-5, TV-8 rating 	 Microminiature relay Max. Switching capacity: 10A Contact: 1 Form A, 1 Form C 	
Contact Form	1A	1A	1A,1C	
Contact Rating (Resistive Load)	10A 250VAC Horsepower:1/3HP 240VAC(0.45W) Horsepower:1/4HP 240VAC TV-5 250VAC	16A 250VAC TV-5 250VAC TV-8 250/125VAC	A:5A:250VAC/28VDC C:NO/NC:5A/3A:250VAC/28VDC	
Max. Switching Voltage	277VAC/30VDC	250VAC/30VDC	250VAC/28VDC	
Max. Switching Current	10A	16A	10A	
Max. Switching Power	2,500VA,300W	4,000VA,480W	1,250VA,280W	
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA	
Coil Voltage	3~24VDC	3~24VDC	3~48VDC	
Coil Power (mW)	200mW,450mW	200mW,450mW	200mW,450mW	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 4,000VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min	
Electrical Life (ops.)	100,000	50,000	100,000	
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	PCB	
Terminal Layout (Bottom View) (mm)	4.Ø1.3 *0.1 1.7±0.3	2.91.5 ^{+0.1} 2.91.6 ^{+0.1} 2.91.6 ^{+0.1} 1.7±0.3 12.7±0.1 2.55±0.1	5-Ø1.3 +0.1 	
Weight (Approximately)	6.0g	6.0g	7.0g	

Category		POWER RELAY	
Product Model	AC5N	AC6T	HRS4
Relay Picture	No. of the last of	All Control of the Co	THE STATE OF THE S
Dimensions L×W×H (mm)	20.4×7.0×15.4	20.4×7.0×14.9	19.0×15.5×15.8
Safety Standards	and the second s	₽ ₽ ₽ ₽	. M us 🛕 œ
Characteristics	 Microminiature relay Slim type, 7mm width High mounting density High sensitivity 200mW 	 Microminiature relay Slim type, 7mm width High mounting density High sensitivity 200mW Switching capacity: 7A 	 Miniature relay Contact: 1 Form A, 1 Form B, 1 Form C TV-5 rating UL Class F insulation
Contact Form	1A	1A	1A,1B,1C
Contact Rating (Resistive Load)	5A 250VAC	GP:7A 250VAC,10A 250VAC TV-5 250VAC	A: 15A 125VAC, 10A 250VAC C: NO:10A 250VAC/24VDC NC:6A 250VAC/24VDC TV-5 125VAC
Max. Switching Voltage	250VAC/30VDC	277VAC/30VDC	250VAC/28VDC
Max. Switching Current	5A	10A	15A
Max. Switching Power	1,250VA,150W	2500VA,300W	2,500VA,280W
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA
Coil Voltage	5~24VDC	5~24VDC	3~48VDC
Coil Power (mW)	200mW	200mW	360mW,450mW
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 750VAC,1min ② 4,000VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min	① 750VAC,1min ② 1,500VAC,1min
Electrical Life (ops.)	100,000	30,000(7A,3s ON/3s OFF, 85°C) 25,000(TV-5, 40°C)	100,000
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	4-01.1*01	4-Ø1.1*0.1 GE 11.5±0.1 7-0±0.1	1.75±0.3 5-Ø1.3 ^{+0.1} 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
Weight (Approximately)	3.0g	4.0g	10.0g
		-5	10.09

Category		POWER RELAY	
Product Model	HRS4F	HRS4N	HRS4T
Relay Picture	All Control of Control		All managers
Dimensions L×W×H (mm)	19.0×15.5×15.8	21.0×16.0×20.8	20.0×16.3×20.2
Safety Standards	. M us 🏠 🐽	c Rl us 🛕 œc	c Al us 🛕 œ
Characteristics	 Miniature relay Dielectric strength of 2500V between coil and contacts Contact: 1 Form A,1 Form C 	Max.20A switching capability High temperature load: 17A 277VAC at 105°C Available for single pin and double pins terminal Compliance to standard EN 60335-1 Compliance to RoHS Directive UL Insulation system: F Class	 Miniature relay Contact: 1 Form A, 1 Form B, 1 Form C UL Class F insulation
Contact Form	1A,1C	1A,1B,1C	1A,1B,1C
Contact Rating (Resistive Load)	10A 250VAC/30VDC	A: 20A 125VAC 17A 277VAC 20A 277VAC TV-8 125VAC C: NO:17A 277VAC NC:7A 277VAC	10A 250VAC/24VDC
Max. Switching Voltage	250VAC/30VDC	400VAC/28VDC	250VAC/28VDC
Max. Switching Current	10A	20A(A),17A(C)	15A
Max. Switching Power	2,500VA,300W	4,700VA	2,500VA,280W
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA
Coil Voltage	3~48VDC	3~48VDC	3~48VDC
Coil Power (mW)	360mW,450mW	360mW	360mW,450mW
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 2,500VAC,1min	1,000VAC,1min2,500VAC,1min	1,000VAC,1min1,500VAC,1min
Electrical Life (ops.)	100,000(NO)	100,000(NO)	100,000(NO)
Operating Temperature	-40°C to +85°C	-40°C to +85°C(Single pin) -40°C to +105°C(Double pin)	-40°C to +85°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	5.913*0.1 5.913*0.1 2.010.1 12210.1 3.510.3	Single pin version 2.00.1	1.75±0.3 5.601.3 *0.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Weight (Approximately)	11.0g	14.0g	12.0g

Category	POWER RELAY			
Product Model	HRS5	HR	S 6	V6
Relay Picture	IN SOCIAL SECTION OF THE SECTION OF	12 3 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Water of the Control	INI OCZANIA. VO PRINCIPLE DE SENTE
Dimensions L×W×H (mm)	15.5×12.2×13.9	20.0×8.5	5×12.5	23.0×16.1×10.2
Safety Standards	c Al us 🛕 œ	c Al us 💪	Z cec	e Al us 🛕 œ
Characteristics	Compact structure, Light weight Max.Continuous Current: 35A/10min.25A/1h Comply to IEC 60335-1 UL Class F insulation Compliance with Rohs and ELV directive	■ Subminiature relay, ■ Contact: 1 Form ■ Coil power:HRS6:0 ■ Creepage distar condition >8mm ■ Dielectric streng and contacts)≥5 ■ ROHS&ELV Cor ■ TV-8/TV-10, High resistance ≥200	n A 0.3W,HRS6F:0.45W nce and air oth (between coil 000VAC mpliant n suge current	
Contact Form	1A,1B,1C	1.6	A	1A
Contact Rating (Resistive Load)	NO/NC:10A /6A 250VAC,28VDC	T\ HRS6F: 16	A 277VAC V-8 250VAC A 277VAC -10 250VAC	15A125VAC 20A 250VAC 10A 250VAC/24VDC
Max. Switching Voltage	250VAC/28VDC	277VAC	277VAC	250VAC/30VDC
Max. Switching Current	10A	16A	12A	16A
Max. Switching Power	2,500VA,280W	4,432VA	3,324VA	4,000VA,480W
Min. Switching Load	5VDC,100mA	6VDC	C,1A	5VDC,100mA
Coil Voltage	5~24VDC	5~48	VDC	3~48VDC
Coil Power (mW)	360mW,450mW,640mW,800mW	300mW,4	450mW	200mW
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 750VAC,1min ② 1,500VAC,1min	① 1,000V		① 750VAC,1min ② 2,500VAC,1min
Electrical Life (ops.)	50,000	50,0	000	100,000
Operating Temperature	-40°C to +105°C	-40°C to	+85°C	-40°C to +85°C
Terminal Type	PCB	PC	В	PCB
Terminal Layout (Bottom View) (mm)	25±0.1 10.2±0.1	12003		17.78±0.1 17.78±0.1 3.0±0.3 2.0±1.0 ⁰ 01 1.5±0.3 10.3±0.1
Weight (Approximately)	6.00g	4.6	Sg .	9.00g
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Category	POWER RELAY			
Product Model	V6T	HRM	HRM1	
Relay Picture	KE VOTS-DC12V INA 200/AC 10A 200/AC 10A 300/AC 10A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Dimensions L×W×H (mm)	23.0×16.1×10.2	29.0×12.6×20.8	29.0×12.6×20.8	
Safety Standards	su ! !	. Al us 🛕 🚥 🚵	SU S	
Characteristics	 Low profile, flat type relay Max. Switching capacity: 16A Lever type(Manual Operation) High sensitivity 200mW 	 General purpose power relay TV-5 rating Creepage distance: 8mm 	 Slim type Contact: 2 Form A, 2 Form C Dielectric strength of 4000V between coil and contacts Creepage distance: 8mm 	
Contact Form	1A	1A,1C	2A,2C	
Contact Rating (Resistive Load)	16A 250VAC 16A 30VDC	10A 250VAC/30VDC, TV-5 Inductive: 5A 240VAC (COSΦ=0.4) 16A 250VAC(For T type)	5A 250VAC/24VDC, TV-5 Inductive Load 5A 250VAC/24VDC (COSΦ=0.4,L/R=7ms)	
Max. Switching Voltage	250VAC/30VDC	250VAC/30VDC	250VAC/30VDC	
Max. Switching Current	16A	16A	5A	
Max. Switching Power	4,000VA,480W	2,500VA,300W	1,250VA,150W	
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA	
Coil Voltage	3~48VDC	3~48VDC	3~48VDC	
Coil Power (mW)	200mW	540mW,720mW	540mW,720mW	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 750VAC,1min ② 2,500VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min	
Electrical Life (ops.)	50,000	100,000	100,000	
Operating Temperature	-40°C to +85°C	-30∼+55°C(720mW) -30∼+70°C(540mW)	-30~+55°C(720mW) -30~+70°C(540mW)	
Terminal Type	PCB	PCB	PCB	
Terminal Layout (Bottom View) (mm)	17.78±0.1 3.0±0.3 0.15±0.3 1.5±0.3 1.5±0.3 1.5±0.3 1.5±0.3 1.5±0.3 1.5±0.3 1.5±0.3 1.5±0.3	HRM 1.8±0.3 16.6±0.1 3.5±0.1 3.5±0.1 1.8±0.3 2.0±0.1 2.0±0.1 2.0±0.0 1.1 1.8±0.3 2.0±0.1 2.0±0.0 1.1 1.8±0.3 2.0±0.1 2.0±0.0 1.1 1.8±0.3 2.0±0.1 2.0±0.1 2.0±0.0 1.1 1.1 1.8±0.3 2.0±0.1 2.0±0.1 1.1 1.1 1.8±0.3 2.0±0.1 2.0±0	1.8±0.3 15.24±0.1 5.08±0.1 8.Ø1.3*Ď1 5.08±0.1	
Weight (Approximately)	9.00g	13.00g	13.0g	

Category		POWER RELAY	
Product Model	HRM2	HRM3	HRM4
Relay Picture	The state of the s		
Dimensions L×W×H (mm)	29.0×12.6×20.8	Sealed: 24.6×10.6×25.0 Unsealed: 24.0×10.0×25.0	Sealed: 24.4×12.9×24.8 Unsealed: 23.5×12.9×24.8
Safety Standards	c RU us 🛕 œ	♠ ∞ ♦ #	. Al 🛕 🕯 🚳
Characteristics	 General purpose power relay Contact: 1 Form A, 1 Form C Dielectric strength of 4000V between coil and contacts 16A contact current Creepage distance: 8mm 	Available in sealed and unsealed versions High sensitivity type with power consumption of 250mW 1 form A contact configuration Comply with TV-5 standards required for TV and audio power supplies	 Small size Sealed and unsealed versions 5A contact current 2 form A contact configuration Creepage distance: 6mm Cross bar or rivet contacts
Contact Form	1A,1C	1A	2A
Contact Rating (Resistive Load)	16A 250VAC/30VDC, TV-8 Inductive Load 8A 250VAC/30VDC (COSΦ=0.4,L/R=7ms)	10A 250VAC/30VDC,TV-5	5A 250VAC/30VDC,TV-5 3A 125VAC/30VDC(SP)
Max. Switching Voltage	250VAC/30VDC	250VAC/30VDC	250VAC/30VDC
Max. Switching Current	16A	10A	5A
Max. Switching Power	4,000VA,480W	2,500VA,300W	1,250VA,150W
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA
Coil Voltage	3~48VDC	3~48VDC	3~48VDC
Coil Power (mW)	540mW,720mW	150mW,250mW,540mW	250mW,540mW
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 4,000VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min	① 1,000VAC,1min ② 4,000VAC,1min
Electrical Life (ops.)	100,000	100,000	100,000
Operating Temperature	-30~+55°C(720mW) -30~+70°C(540mW)	-40°C to+70°C	-30°C to +70°C
Terminal Type	РСВ	PCB	PCB
Terminal Layout (Bottom View) (mm)	1.8±0.3 15.24±0.1 5.08±0.1	4-01.3 °0.1 2.6±0.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6-01.3 °0.1
Weight (Approximately)	13.0g	10.0g	12.0g
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Category	POWER RELAY			
Product Model	HCP1	HCP2	НСР3	
Relay Picture				
Dimensions L×W×H (mm)	29.0×12.6×15.8	29.0×12.6×15.8	29.0×12.6×15.8	
Safety Standards	. A us 🛕 🚥 🕸	c Al us 🛕 œ	e Al us 🛕 œ	
Characteristics	 Low profile,height 15.8mm Switching capacity 12A Contact: 1 Form A, 1 Form C Sensitivity 400mW Insulation: 5KV Creepage:10mm 	 Low profile, height 15.8mm Switching capacity 8A Contact: 2 Form A, 2 Form C Sensitivity 400mW Insulation: 5KV Creepage:10mm 	 Low profile, height 15.8mm Switching capacity 16A/20A/25A/30A Contact: 1 Form A, 1 Form B,1 Form C Sensitivity:400mW Insulation: 5KV Creepage:12mm 	
Contact Form	1A,1C	2A,2B,2C	1A,1B,1C	
Contact Rating (Resistive Load)	12A 250VAC/30VDC Inductive load 5A 250VAC Cosφ=0.4	8A 250VAC/30VDC Inductive load 4A 250VAC Cosp=0.4	16A 250VAC/30VDC Inductive load 8A 250VAC Cosφ=0.4 T: 25A 250VAC/277VAC	
Max. Switching Voltage	440VAC/120VDC	440VAC/120VDC	440VAC/120VDC	
Max. Switching Current	12A	8A	20A T:30A	
Max. Switching Power	3,000VA,360W	2,000VA,240W	5,540VA,480W 8310VA	
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA	
Coil Voltage	5~48VDC	5~48VDC	5~48VDC	
Coil Power (mW)	400mW	400mW	400mW	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 5,000VAC,1min	① 1,000VAC,1min ② 5,000VAC,1min	① 1,000VAC,1min ② 5,000VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	PCB	
Terminal Layout (Bottom View) (mm)	5.08±0.1 5.0	8.Φ1.3°0.1 5.08±0.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8-\(\phi\)1.3\(\phi\)0.1 5.08\(\phi\)0.	
Weight (Approximately)	13.00g	13.0g	13.0g	
	<u> </u>		TVE 2 1 11 21 145	

Category	POWER RELAY			
Product Model	НСР6	НСРТ	F6	
Relay Picture	177 - 18 - 18 - 18 - 18 - 18 - 18 - 18 -	The supplemental state of the s	IKE State Section as the second section	
Dimensions L×W×H (mm)	29.0×12.6×15.8	Vertical:41.0×12.7×15.7 Horizontal:45.0×12.7×15.7	30.5×16.0×20.1	
Safety Standards	c Al us 🛕 œ	_	∞ ≈ ₽	
Characteristics	■Contact form:1A/1B/1C ■Coil power:0.4W ■Creepage distance and air distance≥10mm ■25A Switching capacity ■High surge current resistance>200A ■UL insulation system:class F ■Dielectric strength (between coil and contacts):5000VAC	Low profile, height 15.7mm Switching capacity 20A High sensitivity type:400mW Dielectric strength of 5KV between coil and contacts Creepage:10mm Quick connect terminals type: vertical and horizontal Compliance with ROHS Directive	Miniature relay with high switching contact capacity, 20A/250VAC and 25A/250VAC Dielectric strength of 5000V between coil and contacts Ideal for switching compressor and inverter loads Available in both PCB and quick connect terminals Applications: Air conditioners, refrigerators, OA equipment, etc	
Contact Form	1A,1B,1C	1A,1B	1A	
Contact Rating (Resistive Load)	16A 277VAC/250VAC 20A 277VAC/250VAC 25A 277VAC/250VAC (only for 1 Form A)	20A 250VAC	F6:25A 250VAC F6-P:20A 250VAC 20 FLA/80 LRA 120VAC	
Max. Switching Voltage	277VAC	440VAC/120VDC	250VAC	
Max. Switching Current	25A	25A	25A	
Max. Switching Power	6,925VA	6,250VA	6,250VA	
Min. Switching Load	5VDC,100mA	5VDC,100mA	5VDC,100mA	
Coil Voltage	5~48VDC	5~48VDC	5~24VDC	
Coil Power (mW)	400mW	400mW	900mW	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 5,000VAC,1min	① 1,000VAC,1min ② 5,000VAC,1min	① 1,500VAC,1min ② 5,000VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-40°C to +105°C	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	PCB, Quick connect	
Terminal Layout (Bottom View) (mm)	2.6±0.3 	4-\phi_1.5*0.1 5.0±0.1 5.0±0.1 	27.6±0.1 2.018 ^{-0.1} 2.015 ^{-0.1} 2.015 ^{-0.1} 2.0±0.1 3.8±0.1	
Weight (Approximately)	13.0g	15.0g	18.0g	

Category	POWER RELAY				
Product Model	CMP6		СМР7		СМР8
Relay Picture	RE A A		ASS CHAIR STATE OF THE STATE OF	ana	
Dimensions L×W×H (mm)	QC:30.4×15.9×23.4 P:30.4×15.9×26.4	3	1.8×27.4×	20.0	Exposed: 31.8×27.4×19.8 Concealed: 31.8×27.4×27.7
Safety Standards	c A ∪s 🛕 🗪		c Я1 us △	<u>cec</u>	№ № №
Characteristics	 Switching capacity: 20A PCB or quick connect terminals 	compa- 50A/25 Availab and pla UL clas Applica	stic sealed	, up to open frame I package ion system istrial and	 PCB or quick connection
Contact Form	1A		1A,1C		1A,1C
Contact Rating (Resistive Load)	20A 250VAC/30VDC Inrush Current: 80A Break Current: 20A	C:NO: CT:NO: CT:NO: AF:	30A 250VA 40A 250VA 20A 250VA 15A 250VA 40A 250VA 30A 250VA 50A 250VA	AC/24VDC AC/24VDC AC/24VDC AC/24VDC AC/24VDC AC/24VDC AC/24VDC	A: 30A 250VAC/24VDC C: NO:20A 250VAC/24VDC NC:15A 250VAC/24VDC
Max. Switching Voltage	250VAC/30VDC		50VAC/28		250VAC/28VDC
Max. Switching Current	20A	30A	T:40A	F:50A	30A
Max. Switching Power	5,000VA,600W	7,500VA 840W	10,000VA 1,120W	12,500VA 1,400W	7,500VA,560W
Min. Switching Load	5VDC,100mA		5VDC,100	mA	5VDC,100mA
Coil Voltage	5~24VDC		5~48VD	С	5~48VDC
Coil Power (mW)	900mW	90	00mW,160	0mW	900mW
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 4,500VAC,1min		,500VAC,1 ,500VAC,1		① 1,500VAC,1min ② 2,500VAC,1min
Electrical Life (ops.)	100,000		100,000)	100,000
Operating Temperature	-20°C to +55°C		-40°C to +	-85°C	-40°C to +85°C
Terminal Type	PCB, Quick connect		PCB		PCB, Quick connect
Terminal Layout (Bottom View) (mm)	4-Ø1.8*0.1 1.8±0.1 1.20±0.1 27.6±0.1	5.3±0.3 	17.8±0.1 4.02.1+0.1 4.02.1+0.1 1.1 8.9±0.1	2-01.1°0.1 5.7±0.3	54±0.3 3-02.10 13 13 14 12-01.10 12-01.10 13 12-01.10 13 14 17.8±0.1
Weight (Approximately)	21.0g		26.0g		29.0g(Exposed),31.0g(Concealed)
					KE Selection Chart-47

Category	POWER RELAY			
Product Model	L	н		
Relay Picture	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
Dimensions L×W×H (mm)	27.6×21	.6 ×35.0		
Safety Standards	Ro	L us		
Characteristics	 Switching capacity: 15A Contact: 1 Form, 2 Form Transparent cover AC/DC Coil 			
Contact Form	1A, 1B, 1C	2A, 2B, 2C		
Contact Rating (Resistive Load)	15A 220VAC/28VDC	10A 220VAC/28VDC		
Max. Switching Voltage	250VAC/30VDC	250VAC/30VDC		
Max. Switching Current	15A	10A		
Max. Switching Power	3300VA/420W	2200VA/280W		
Min. Switching Load	_	_		
Coil Voltage	5~110VDC,6~240VAC	5~110VDC,6~240VAC		
Coil Power (mW)	900mW, 1100mW, 1200mVA	900mW, 1100mW, 1200mVA		
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 1,500VAC,1min	① 1,000VAC,1min ② 1,500VAC,1min		
Electrical Life (ops.)	100,000	100,000		
Operating Temperature	-40°C to +70°C	-40°C to +70°C		
Terminal Type	PCB, Quick connect	PCB, Quick connect		
Terminal Layout (Bottom View) (mm)	10.0 14.2	10.0 14.2		
Weight (Approximately)	PCB: 37g ,Quick	connect: 37g		

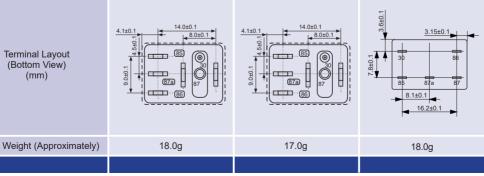
Category	POWER RELAY			
Product Model	LT			
Relay Picture	The state of the s			
Dimensions L×W×H (mm)		27.6×21.6×35.0		
Safety Standards				
Characteristics	 Dimensions: 27.6×21.6×35.0(mm) Available in various types mounting terminals Contact form: 2A, 2B, 2C; 3A, 3B, 3C; 4A, 4B, 4C Transparent cover AC/DC Coil 			
Contact Form	2A, 2B, 2C	3A, 3B, 3C	4A, 4B, 4C	
Contact Rating (Resistive Load)	5A 220VAC/28VDC 7A 220VAC/28VDC	5A 220VAC/28VDC 7A 220VAC/28VDC	3A 220VAC/28VDC 5A 220VAC/28VDC	
Max. Switching Voltage	250VAC/30VDC	250VAC/30VDC	250VAC/30VDC	
Max. Switching Current	5A, 7A	5A, 7A	3A, 5A	
Max. Switching Power	5A: 1100VA/140W 7A: 1540VA/196W	5A: 1100VA/140W 7A: 1540VA/196W	3A: 660VA/84W 5A: 1100VA/140W	
Min. Switching Load	_	_	_	
Coil Voltage	5~110VDC,6~240VAC	5~110VDC,6~240VAC	5~110VDC,6~240VAC	
Coil Power (mW)		900mW, 1100mW,1200mVA		
① Open Contacts ② Coil and Contacts	① 1,000VAC,1min ② 5,000VAC,1min	① 1,000VAC,1min ② 5,000VAC,1min	① 1,000VAC,1min ② 5,000VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	
Terminal Type	PCB, Quick connect	PCB, Quick connect	PCB, Quick connect	
Terminal Layout (Bottom View) (mm)	13.2	13.2	13.2 4.4 4.4 4.2 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	
Weight (Approximately)	PCB: 37g ,Quick connect: 37g			

Category		AUTOMOTIVE RELAY	
Product Model	CMA1	CMA2	CMA25/CMA252
Relay Picture	CMA H. C. A Social West Social Conference Social		Alexandra decide
Dimensions L×W×H(mm)	19.0×15.5×15.8	Sealed:17.3×14.8×19.5 Open:15.7×12.7×17.7	CMA25: 12.0×7.3×14.0 CMA252: 12.0×14.5×14.0
Characteristics	 Miniature automotive relay High Switching capacity 20A Available in 3 contact configurations, 1 Form A, B and C Applications: car alarm, central locking system, power windows,seat control, etc 	 Miniature automotive relay Available in both open frame and plastic sealed package Numerous contact arrangements High switching capacity 20A 	Miniature automotive relay Single relay:CMA25 Twin relay:CMA25 Motor load:25A Reflow soldering version is available Typical applications: Automatic doors and windows, Central door lock, Sunroof control, Seat adjustment, Mirror adjustment
Contact Form	1A,1B,1C	1A,1C,1U,1V,1W	1C
Contact Rating (Resistive Load)	15A 14VDC(B、C) 20A 14VDC(A)	A:15A 14VDC C:NO/NC:15A/10A 14VDC W:NO/NC:2×7A/2×5A 14VDC U:2×10A 14VDC V:2×7A 14VDC	NO/NC: 20A/10A 14VDC 25A 14VDC(Motor)
Max. Switching Voltage	75VDC	75VDC	16VDC
Max. Switching Current	20A	20A	NO:60A(23°C,14VDC) NC:30A(23°C,14VDC)
Max. Switching Power	280W	280W	Resistance: 280W Motor: 350W
Coil Voltage	6~24VDC	3~24VDC	12VDC
Coil Power (W)	0.8W,0.36mW	1.1W	0.9W,0.655W
① Open Contacts ② Coil and Contacts	① 750VAC,1min ② 1,000VAC,1min	① 550VAC,1min ②1,000VAC,1min	500VAC,1min500VAC,1min
Electrical Life (ops.)	100,000	100,000	100,000
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C (Standard) -40°C to +125°C (Reflow)
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	1.75±0.3 5.Ø1.3*0.1 G	7-Ø1.3 *0.1	CMA252 4-01.5*0.2 4-01.5*0.2 4-01.0*0.2
Weight (Approximately)	9.0g	sealed : 9.0g,open:7.5g	CMA25:3.5g,CMA252:6.5g

Category	AUTOMOTIVE RELAY		
Product Model	CMA252(BP)	CMA30/CMA302	CMA31
Relay Picture	IMA AND AND AND AND AND AND AND AND AND AN		FKE vs. CMAST-A CMAST-A COLLOCAL ACOLLOCAL SOLD ENANCE SOLD SOLD SOLD SOLD SOLD SOLD SOLD SOLD
Dimensions L×W×H (mm)	12.0×13.8×14.0	CMA30: 14.0×9.2×14.0 CMA302: 14.0×18.0×14.0	27.8×27.8×24.6
Characteristics	Miniature automotive relay Motor load:25A Colwire insulation dass H(180°C) Reflow soldering version is available Typical applications: Automatic doors and windows, Central door lock, Sunroof control, Seat adjustment, Mirror adjustment	■ Miniature automotive relay CMA30 - single relay CMA302- twin relay ■ NO:30A 14VDC NO/NC:25A/10A 14VDC ■ Coil Power: 0.48W ■ RoHS&ELV compliant ■ Ambient temperature:125°C	 Heavy duty general purpose automotive relay Switching capacity 40A Available in 2 mounting options, socket or bracket mount Applications: air compressor, heater, fan motor, blower fan, defogger, etc
Contact Form	2C	1A,1C	1A,1B,1C
Contact Rating (Resistive Load)	NO/NC: 20A/10A 14VDC 25A 14VDC(Motor)	A:30A 14VDC C:NO/NC:25A/10A 14VDC	12VDC: 40A 14VDC (A) 30A 14VDC (B) 30A 14VDC (C) 24VDC: 20A 28VDC (A) 10A 28VDC (B) NO/NC: 20A/10A 28VDC(C)
Max. Switching Voltage	16VDC	32VDC	75VDC
Max. Switching Current	NO:60A(23°C,14VDC) NC:30A(23°C,14VDC)	Make:100A;Break:30A(14VDC)	40A
Max. Switching Power	Resistance: 280W Motor: 350W	420W	420W(C) ,560W(A)
Coil Voltage	12VDC	12~24VDC	6~24VDC
Coil Power (W)	0.9W,0.655W	0.48W	1.6W,1.8W
DielectricStrength: ① Open Contacts ② Coil and Contacts	500VAC,1min500VAC,1min	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min
Electrical Life (ops.)	100,000	100,000	100,000
Operating Temperature	-40°C to +85°C (Standard) -40°C to +125°C (Reflow)	-40°C to +125°C	-40°C to +85°C -40°C to +125°C(T)
Terminal Type	PCB	PCB	Quick Connect
Terminal Layout (Bottom View) (mm)	2× 6 1.5 ^{4.2}	CMA302	3,446.3 10,446.
Weight (Approximately)	6.5g	CMA30:4.5g, CMA302:9.0g	Bracket : 37.0g Without Bracket: 33.0g

Category	AUTOMOTIVE RELAY			
Product Model	CMA31(A1/B1)	CMA32	CMA32N	
Relay Picture	IKE RD CMA31-B1 CMA31-B1 COLDCTAV SAA 140CD SA	And the same of th	CHADMOCIEVAR "OA 60VDC "T-L-C CD "T-L-C CD	
Dimensions L×W×H(mm)	27.9×27.9×25.0	27.8×27.8×24.6	27.8×27.8×24.6	
Characteristics	 Automotive relay Switching capacity: 40A Contact: 1 Form A,1 Form B 	 Heavy duty general purpose automotive relay Available in 2 mounting options, with bracket or without bracket Two contact configurations, 1 Form A and 2 Form A 	 Automotive relay Available in 2 mounting options, with bracket or without bracket Contact: 1 Form A(DPNO) 	
Contact Form	1A,1B	1A,1U	1A	
Contact Rating (Resistive Load)	12VDC:40A 14VDC(A1) 30A 14VDC(B1) 24VDC:20A 28VDC(A1) 10A 28VDC(B1)	12VDC: 30A 14VDC(A) 2×25A 14VDC(U) 24VDC: 15A 28VDC(A) 2×15A 28VDC(U)	40A 60VDC	
Max. Switching Voltage	75VDC	75VDC	75VDC	
Max. Switching Current	40A	30A	40A	
Max. Switching Power	420W	420W	420W	
Coil Voltage	12~24VDC	12~24VDC	12VDC	
Coil Power (W)	1.6W	1.6W,1.8W	1.6W,1.8W	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	
Electrical Life (ops.)	50,000	100,000	30,000	
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	
Terminal Type	Quick Connect	Quick Connect	Quick Connect	
Terminal Layout (Bottom View) (mm)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 98 98 10 10 10 10 10 10 10 10 10 10 10 10 10	16.8±0.1 87 87 86 87 86 85 84 84 81	
Weight (Approximately)	32.5g	Bracket : 38.0g Without Bracket: 35.0g	Bracket : 37.5g Without Bracket: 34.5g	
		William Bracket, 00.0g	without bracket, 54.5g	

KE SELECTION	ON CHART		
Category		AUTOMOTIVE RELAY	
Product Model	4133	4133W	CMA34
Relay Picture	TAX 1193 TEST OF THE STATE OF T	THE STEEL ST	CHARLOCTAVC R CH
Dimensions L×W×H (mm)	20.4×15.1×22.0	20.4×15.1×23.0	22.5×15.0×25.0
Characteristics	 Miniature heavy duty general purpose automotive relay Switching capacity 35A 1 Form A and C contact configurations Operating ambient temperature: 125°C Applications: air compressor, heater, fan motor, blower fan, defogger, etc 	 Miniature heavy duty general purpose automotive relay Switching capacity 30A 1 Form A and C contact configurations Operating ambient temperature: 125°C Applications: air compressor, heater, fan motor, blower fan, defogger, etc 	 Microminiature automotive relay 125°C of operating ambient temperature 2.8mm of Flat quick connection terminal Compliance to Rohs \ ELV Directive
Contact Form	1A,1C	1A,1C	1A,1C
Contact Rating (Resistive Load)	12VDC:NO:35A 14VDC NC:20A 14VDC 24VDC:NO:20A 28VDC NC:10A 28VDC	12VDC:NO:30A 14VDC NC:20A 14VDC 24VDC:NO:20A 28VDC NC:10A 28VDC	12VDC:NO:35A 14VDC NC:20A 14VDC 24VDC:NO:20A 28VDC NC:10A 28VDC
Max. Switching Voltage	28VDC	28VDC	40VDC
Max. Switching Current	35A	30A	Make(NO):150A, Break(NO):35A
Max. Switching Power	490W(12V),420W(24V)	490W(12V),420W(24V)	490W(12V),560W(24V)
Coil Voltage	12~24VDC	12~24VDC	12~24VDC
Coil Power (W)	1.1W,1.3W,1.5W,1.6W,1.7W,1.8W,2.0W	1.1W,1.3W,1.5W,1.6W,1.7W,1.8W,2.0W	1.2W, 1.4W,1.6W
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min
Electrical Life (ops.)	100,000	100,000	100,000
Operating Temperature	-40°C to +125°C	-40°C to +125°C	-40°C to +125°C
Terminal Type	Quick Connect	Quick connect	Quick connect
Terminal Layout (Bottom View) (mm)	4.1±0.1 14.0±0.1 8.0±0.1 15.0±0.1 16.0±0.1 17.0±0.1 18.0±0.1	4.1±0.1 	3.15±0.1 1088 85 87a 87 86 87b 87



SELECTION	ON CHART			
Category	AUTOMOTIVE RELAY			
Product Model	CMA35	CMA35L	CMA36	
Relay Picture	IKE CAMPICATION AND AN APPORT TO THE PROPERTY OF THE PROPERTY	CHARL & OCTIONS.	ME COMMONTAGE OF THE SEA OF THE S	
Dimensions L×W×H(mm)	26.0×26.0×24.8	26.0×26.0×24.8	26.0×26.0×22.7	
Characteristics	Heavy duty general purpose automotive relay 70A of contact switching capacity 125°C ofworking temperature Normal open contact configuration Availlable for Plastic sealed and unsealed type Quick Connect Terminals and PCB Terminals	■Heavy duty general purpose automotive relay 120A of contact switching capacity ■85°C of working temperature ■Contact: 1 Form A ■Typical applications: power management system (BMS), lithium energy storage, IPC-M off-grid energy storage, UPS, battery break device, automotive air conditioning, cooling fan control, heating control, etc	temperature SPST and SPDT contact form	
Contact Form	1A	1A	1A,1C	
Contact Rating (Resistive Load)	6V,12VDC: 70A 14VDC 24VDC: 40A 28VDC	120A 14VDC(23°C) 100A 14VDC(85°C)	Standard: NO:40A/14VDC,NC:30A/14VDC NO:20A/28VDC,NC:10A/28VDC T: NO:50A/14VDC,NC:30A/14VDC NO:30A/28VDC,NC:10A/28VDC	
Max. Switching Voltage	50VDC	18VDC(85°C/h)	75VDC	
Max. Switching Current	70A	Make:200A Break:120A, 14VDC	Make: 150A (NO,surge) Break: 50A (steady-state)	
Max. Switching Power	1120W	1,680W	640W	
Coil Voltage	6~24VDC	12~24VDC	12~24VDC	
Coil Power (W)	1.6W, 1.8W	1.3W, 1.5W	1.6W,1.8W,2.0W,2.2W	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 600VAC,1min ② 600VAC,1min	① 550VAC,1min ② 550VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-40°C to +125°C	-40°C to +85°C	-40°C to +125°C	
Terminal Type	Quick connect,PCB	PCB	Quick connect,PCB	
Terminal Layout (Bottom View) (mm)	15 865 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8-023 ° 2 ° 2 ° 2 ° 2 ° 2 ° 2 ° 2 ° 2 ° 2 °	2703 2705 270 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Weight (Approximately)	Bracket : 32.0g Without Bracket: 35.5g	31.0g	Bracket : 32.0g Without Bracket: 35.0g	
	Thinsat Bracket. 66.0g			

Category	AUTOMOTIVE RELAY			
Product Model	CMA36N	CMA37	CMA40	
Relay Picture	Miles of the second sec		The state of the s	
Dimensions L×W×H (mm)	26.6×26.0×22.7	22.5×15.0×16.0	14.4×11.0×16.0	
Characteristics	General purpose automotive relay 70A of switching capability Contact:1 Form A Availlable for Plastic sealed and unsealed type Quick Connect Terminals and PCB Terminals 125°C of operating ambient temperature	Half height of a typical micro ISO relay Smaller and capable to carry high current ROHS&ELV Compliant Typical application: Headlights, electromagnetic clutches, radiator fans, supply fans, fog light, taillights, heaters, defogger, condenser fans, etc	 Miniature automotive relay Max.continous current 40A,Can replace micro ISO relay Lamp control,Motor control such as fans Max.making current 120A Multiple output forms 	
Contact Form	1A	1A	2A	
Contact Rating (Resistive Load)	Resistive: NO:70A/14VDC NO:40A/28VDC Inductive: Make150A/14VDC break50A/14VDC Lamp: Surge200A/14VDC break40A/14VDC	Resistive: 30A 14VDC Motor:18A (surge 84A) 14VDC Lamp:12A (surge 84A) 14VDC	40A 14VDC	
Max. Switching Voltage	Refer to 'Max.switching power curve'	28VDC	14VDC	
Max. Switching Current	Make(NO,lamp)200A Break (steady state) 70A (res, 13.5V)	Make:100A, Break: 30A (res, 14VDC)	Make: 140A, Break: 15A	
Max. Switching Power	1120W	490W(12V),420W(24V)	480W	
Coil Voltage	12~24VDC	12VDC	12VDC	
Coil Power (W)	1.6W,1.8W,2.0W	0.9W,1.0W	0.64W	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 500VAC,1min ② 500VAC,1min	① 500VAC,1min ② 500VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-40°C to +125°C	-40°C to +85°C	-40°C to +110°C	
Terminal Type	Quick connect,PCB	Quick connect	PCB	
Terminal Layout (Bottom View) (mm)	2763 1 2 3 3 6 1 1 2 3 3 6 1 1 2 3 5 6 1 2 3 5 6 1 1 2	85 30 30 325±0.1	3.5 9.6	
Weight (Approximately)	Bracket : 32.0g Without Bracket: 35.0g	12.0g	6.5g	

OLLEGII	AUTOMOTIVE RELAY			
Category				
Product Model	СМА4		CMA51	
Relay Picture	KE GEC CMA4-S-C-E COIL-DCIZV 30A 14VDC 19A3K2		Coloracina Services Services Services	
Dimensions L×W×H(mm)	Sealed: 25.8×20.6×21.0	Open: 18.0×23.4×17.9	15.6×12.2×13.7	
Characteristics	General purpose automotive relay Available in open frame and plastic sealed packages High contact capacity 40A ILISA or European footprints		Compact microminiature general purpose automotive relay High inrush capability: 60A Contains no lead and features cadmium-free contacts ensuring environment-friendly use Applications: car alarm, power window, central locking system, seat adjustment control, etc	
Contact Form	1A,1C	1A,1C	1A,1B,1C	
Contact Rating (Resistive Load)	30A 14VDC (C) 40A 14VDC (A)	30A 14VDC (C) 40A 14VDC (A)	A: 20A14VDC B, C: 15A14VDC	
Max. Switching Voltage	75VDC	75VDC	30VDC	
Max. Switching Current	40A	40A	35A	
Max. Switching Power	560W	560W	280W	
Coil Voltage	6~24VDC	6~24VDC	5~48VDC	
Coil Power (W)	1.6W	1.6W	0.6W,0.8W	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000	
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	PCB	
Terminal Layout (Bottom View) (mm)	European footprint: 5.00.03 5.00.01	USA footprint: 6.440.3 5.3550.1 14.8850.1 750.1	2.5±0.1 10.2±0.1 10.2±0.1 11.2±0.3 11.2±0.3 11.2±0.3 11.2±0.3	
Weight (Approximately)	Sealed::21.0g	Open: 15.0g	5.5g	

Catagory		AUTOMOTIVE RELAY	
Product Model	0114540		011455
Relay Picture	RE STANCES STANCES	CMA53/CMA532	CMA55
Dimensions L×W×H (mm)	23.5×15.3×13.3	CMA53: 13.0×12.0×10.0 CMA532:23.6×13.0×10.0	15.6×12.2×13.7
Characteristics	 Miniature automotive twin relay High inrush capability: 60A Contains no lead and features cadmiumfree contacts ensuring environment-friendly use Applications: car alarm, power window, central locking system, seat adjustment control, etc 	Small and compact CMA53 - single relay CMA532 - twin relay High contact capacity 30A Low noise operation Contains no lead and features cadmium-free contacts ensuring environment-friendly use Applications: car alarm, power window, central locking system, seat adjustment control, sunroof motor control, wiper, etc	 Microminiature automotive relay Double make contact Applications:car alarm, reverse sensor, etc
Contact Form	2×1A,2×1B,2×1C	1A, 1C, 2×1A, 2×1C	2A
Contact Rating (Resistive Load)	12VDC: NO/NC:20A/15A 14VDC 24VDC: NO/NC:10A/7A 28VDC	NO/NC:20A/15A 14VDC	12V: 2×6A 13.5VDC 24V: 2×5A 28VDC
Max. Switching Voltage	30VDC	16VDC	14VDC
Max. Switching Current	35A	30A	2×10A
Max. Switching Power	280W	280W	2×81W
Coil Voltage	5~48VDC	6~24VDC	6~24VDC
Coil Power (W)	0.6W,0.8W	0.55W,0.8W	1.0W
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min
Electrical Life (ops.)	100,000	100,000	100,000
Operating Temperature	-40°C to +85°C	-40°C to +105°C	-40°C to +85°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	10a0.1 10	CMA53 CMA532	25±0.1 10.2±0.1 20.2 1 1.1±0.3
Weight (Approximately)	12.0g	CMA53:4.2g CMA532:8.0g	6.0g
Woight (Approximatory)			

Category	AUTOMOTIVE RELAY		
Product Model	CMA56	/CMA562	CMA57
Relay Picture	O American	Constitution of the Consti	Marie Constant Consta
Dimensions L×W×H(mm)	CMA56:14×7.2×13.7 CMA56T:14×7.2×14.2	CMA562: 14×15.4×13.7 CMA562T: 14×15.4×14.2	15.6×15.2×16.5
Characteristics	■ 25A of Motor	 Miniature automotive relay 25A of Motor Load Single relay or twin relay 	
Contact Form	1C	2×1C	1A
Contact Rating (Resistive Load)	12V: 25A(Inrush) 14VDC(Motor) 12V: 20A 14VDC(Resistance) 24V: 10A 24VDC(Resistance)	12V: 2×25A(Inrush) 14VDC(Motor) 12V: 2×20A 14VDC(Resistance) 24V: 2×10A 24VDC(Resistance)	12V: 20A 14VDC 24V: 15A 28VDC
Max. Switching Voltage	16VDC	16VDC	16VDC
Max. Switching Current	30A	2×30A	Make:100A Break:30A
Max. Switching Power	350W	2×350W	320W
Coil Voltage	6~24VDC	6~24VDC	12~24VDC
Coil Power (W)	0.64W,0.8W	0.64W,0.8W	0.95W,1.1W
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ① 550VAC,1min	
Electrical Life (ops.)	100,000	100,000	100,000
Operating Temperature	-40°C to +105°C (Standard) -40°C to +125°C (Reflow)	-40°C to +105°C (Standard) -40°C to +125°C (Reflow)	-40°C to +125°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	CMA56	CMA562	5 2 1 3
Weight (Approximately)	CMA56:4.0g	CMA562:8.0g	10.0g

Category	AUTOMOTIVE RELAY		
Product Model	CMA59	CMA5G	СМА6
Relay Picture	AB TO THE COLUMN	INC. COLUMN STATE OF THE PROPERTY OF THE PROPE	INF. COMP. C
Dimensions L×W×H (mm)	20.4×15.1×22.0	15.5×12.2×13.9	15.5×12.2×13.9
Characteristics	■ Automative Mute Relay ■ 100,000operations for 25A 14VDC (Locked rotor current) ■ Quick-Flat connection terminal ■ sound pressure≤50dB ■ Compliance to RoHS and ELV	Compact microminiature general purpose automotive relay Max.Continuous Current:35A/10min.25A/1h Wire temperature Class H Reflow soldering is available Max.Inrush Current:90A Compliance with Rohs and ELV directive	■ Small size, compact structure and light weight ■ Multiple contact forms ■ High switching capacity 20A ■ High heat resistance ■ Reflow soldering is available ■ H class ■ Compliance with Rohs and ELV directive
Contact Form	1A,1C	1A,1B,1C	1U,1V,1W
Contact Rating (Resistive Load)	A(Resistive): 20A 14VDC C(Resistive): NO:20A 14VDC NC:10A 14VDC Motor: 25A (peak) 14VDC	12VDC: NO/NC:20A/10A 14VDC 24VDC: NO/NC:10A/5A 28VDC	U:2×10A/2×15A V:2×5A/2×10A W:NO/NC:2×10A/2×5A NO/NC:2×15A/2×10A
Max. Switching Voltage	16VDC	16VDC	16VDC
Max. Switching Current	30A	35A	2×15A
Max. Switching Power	480W	280W	420W
Coil Voltage	12VDC	6~24VDC	5~24VDC
Coil Power (W)	0.64W,0.85W	0.64W,0.8W	1.0W,1.1W
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min	① 550VAC,1min ② 550VAC,1min
Electrical Life (ops.)	100,000	200,000	200,000
Operating Temperature	-40°C to +125°C	-40°C to +85°C (Standard) -40°C to +125°C (Reflow)	-40°C to +85°C (Standard) -40°C to +125°C (Reflow)
Terminal Type	Quick connect	PCB	PCB
Terminal Layout (Bottom View) (mm)	4.1±0.1	2.5±0.1 10.2±0.1 10.2±0.1 5.891.4*\(\theta\)^2 1.7±0.3	2.5±0.1 10.2±0.1 1.7±0.3 A B C C C C C C C C C C C C C C C C C C
Weight (Approximately)	11.6g	6.0g	6.0g
			TVE Calaatian Obant 50



Category	MAGNETIC LATCHING RELAY		
Product Model	HKE16	HKE18	HKE19
Relay Picture			The second secon
Dimensions L×W×H (mm)	29.0×12.7×16.0	24.2×13.0×16.4	19.0×15.5×15.8
Safety Standards	② △ ≈ Æ	cec 🛕 us 🕰 cec	o Al us 🛕 œ
Characteristics	 DPST 16A Magnetic latching relay Max.Surge Current 350A/2ms Energy-saving and Environmental Friendly product(RoHS Compliant) 	 Contact: 1 Form A,1 Form C Only pulse excitation, single and double coil work available Dielectric strength of 4000V between coil and contacts Friendly product(RoHS Compliant) 	 15A of switching capability Contact: 1 Form A, 1 Form C Only pulse excitation, single and double coil work available Dielectric strength of 2700V between coil and contacts Friendly product(RoHS Compliant)
Contact Form	2A,2B	1A,1C	1A,1C
Contact Rating (Resistive Load)	16A 250VAC, 5×10 ⁴ (Res) 20A 250VAC, 2×10 ⁴ (Res) 1.5HP 250VAC, 3×10 ⁴ (HP) 8A 220VAC, cosφ0.4, 3×10 ⁴ 3300W 277VAC, 2×10 ⁴ (Electronic Ballast)	A :16A 250VAC/30VDC,5×10 ⁴ (Res) 20A 250VAC,2×10 ⁴ (Res) 1.5HP 250VAC,4×10 ⁴ (HP) C: TV-8 250VAC,2.5×10 ⁴ 10A 250VAC/30VDC,5x10 ³ (2s/2s,70°C) 12A 250VAC/30VDC,3x10 ³ (2s/2s,70°C)	C:NO/NC:10A/5A277VAC(Res) A:10A277VAC(Res) TV-8250VAC(NO)
Max. Switching Voltage	277VAC	277VAC/30VDC	277VAC/30VDC
Max. Switching Current	20A	20A(A), 12A(C)	15A(A), 10A(C)
Max. Switching Power	5000VA	5000VA	2770VAC/300W
Coil Voltage	3~48VDC	3~48VDC	3~48VDC
Coil Power (W)	0.6W,0.8W,1.2W	0.6W,0.8W,1.2W	0.25W,0.4W,0.45W,0.8W
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,50/60Hz,1min ② 4,000VAC,50/60Hz,1min	① 1,000VAC,50/60Hz,1min ② 4,000VAC,50/60Hz,1min	① 750VAC,50/60Hz,1min ② 2,700VAC,50/60Hz,1min
Electrical Life (ops.)	Refer to 'contact load'	Refer to 'contact load'	50,000
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	2.91.0°8.2 4.991.5°8.2 2.1 16.6±0.1 7.0±0.1 2.1 16.6±0.1 7.0±0.1	L2 Aleki Selati Selati Selati Selati	L1 1750.3 5.01.3 6.1 1.2 1.0 1 3.5 1.0 3 1.2 1.0 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1 1.2 1.0 1.2 1.0 1 1.2 1.0
Weight (Approximately)	12.0g	11.0g	9.0g
		-	



Category	MAGNETIC LATCHING RELAY		
Product Model	HKE3L	HKE6L	
Relay Picture	Milliante de la companya de la compa	The way was a series of the se	
Dimensions L \times W \times H (mm)	24.0×10.0×15.8	20.2×10.0×14.0	
Safety Standards	. ≈ 🛕 🐽	چ کے دی ھی کے	
Characteristics	 20A Magnetic latching relay High sensitivity 200mw Comply to IEC 60335-1:household and similar electrical appliances-safety Compliance to ROHS Directive Dielectric strength of 5000V between coil and contacts Main applications:Domestic appliances,Building control,Lighting control,Smart meter control 	 Microminiature, Magnetic Latching Relay 16A of switching capablity Inrush current: 260A Comply to IEC 60335-1 Compliance with ROHS Directive Dielectric strength of 4KV between coil and contact Main applications: white household appliance intelligent home control system, Lighting cont 	
Contact Form	1A	1A	
Contact Rating (Resistive Load)	HKE3L: 16A 277VAC HKE3LT: 20A 250VAC TV-10 250VAC 10A 30VDC	16A 277VAC	
Max. Switching Voltage	277VAC	277VAC	
Max. Switching Current	20A	16A	
Max. Switching Power	5000VA	4432VA	
Coil Voltage	3~24VDC	3~24VDC	
Coil Power (W)	0.2W,0.4W	0.25W,0.5W	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 1,000VAC,50/60Hz,1min ② 5,000VAC,50/60Hz,1min	① 1,000VAC,50/60Hz,1min ② 4,000VAC,50/60Hz,1min	
Electrical Life (ops.)	100,000	100,000	
Operating Temperature	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	
Terminal Layout (Bottom View) (mm)	L1 1.5 °63	13 % 3	
Weight (Approximately)	7.0g	7.0g	

Product Model HEV20 HEV50 NE200 Relay Picture Contact 1 Form A Contact: 1 Form A Mith arc extinguishing voltage: 750VDC high voltage isolation Rated load capacity: 20A Terminals type: Quick connect/PCB Contact Form A Contact Form A Max. Switching capability Contact: 1 Form A Contact: 1 Form A Mith arc extinguishing device, increased load capacity Optional resistor or diode to protect the coil circuit According to customer needs to select connector Friendly product(RoHS Compliant) Contact Form 1A 1A 1A 1A 1A 1A 1A 1	Category	NEW ENERGY RELAY		
Dimensions LXWXH(mm) 4.4.0×30.0×30.5 6.6.0×34.0×52.0 6.5.0×45.9×53.0 1.500 of switching capability Contact: 1 Form A Contact: 1 Form A Contact gap≥3mm The maximum switching clase; 750VDC Ingh voltage isolation Rated load capacity; 20A Terminals type; Quick connect/PCB Contact Form 1A 1A 1A 1A 1A 1A 1A 1A 1A 1	Product Model	HEV20	HEV50	NE200
■ Contact: 1 Form A ■ Contact app ≥ 3mm ■ The maximum switching voltage: 750/VDC ■ high voltage isolation ■ Rated load capacity: 20A ■ Terminals type:Quick connect/PCB Contact Rating (Resistive Load) Contact Rating (Resistive Load) 20A 450VDC/750VDC Max. Switching voltage: 750/VDC Max. Switching voltage: 750/VDC Max. Switching capability — (Indian Switching voltage) isolation ■ Rated load capacity: 20A ■ Terminals type:Quick connect/PCB Contact Rating (Resistive Load) 20A 450VDC/750VDC Max. Switching voltage: 750VDC Max. Swit	Relay Picture	HEV20-S DO40	HE INFOSSAR COL SINCE COL SINCE COL SINCE	Action to tone and the second
Contact gap≥3mm ■ The maximum switching voltage; r50vDC ■ high voltage isolation ■ Rated load capacity:20A ■ Terminals type:Quick connect/PCB Contact Form 1A 1A 1A 1A 1A 1A 1A 1A 1A 1	Dimensions L×W×H(mm)	44.0×30.0×30.5	66.0×34.0×52.0	65.0×45.9×53.0
Contact Rating (Resistive Load) 20A 450VDC/750VDC	Characteristics	 Contact gap≥3mm The maximum switching voltage: 750VDC high voltage isolation Rated load capacity:20A Terminals type:Quick 	Contact: 1 Form A With arc extinguishing device, increased load capacity Optional resistor or diode to protect the coil circuit 75°C of working temperature According to customer needs to select connector Friendly product	Contact gap:4.0mm Max.Switching current:270A ULinsulation system:Class F Low coil holding voltage contributes to saving energy of equipent
Contact Rating (Resistive Load) 20A 450VDC/750VDC 24VDC 100A 5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 3x50*C70A5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 48VDC 60A5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 48VDC 60A5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 48VDC 60A5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 48VDC 50A5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 48VDC 50A5x10*ops ONOFF:15445 Midnig5ACarring 20A-Beaking5A 800AC 48VDC 50A5x10*ops ONOFF:15445 Midnig5ACarring 20A5Beaking5A 800AC 4000AC 4000AC 470AC 50A5X10*Ops ONOFF:15445 Midnig5ACarring 20A5Beaking5A 800AC 4000AC 470AC 50A5X10*Ops ONOFF:15445 Midnig5ACarring 20A5Beaking5A 800AC 48VDC 50A0AC 50A0AC 50A0AC 50A0AC 50A5X10*Ops ONOFF:15445 Midnig5ACarring 20A5Beaking5A 800AC 50A0AC 50	Contact Form	1A	1A	1A
Max. Switching Current 30A(450VDC) 150A 270A Max. Switching Power 15KW 4,400W 270,000VA Coil Voltage 12~24VDC 12~48VDC 6~48VDC Coil Power (W) 3W 2.4W,2.6W 3W(200A),5W(270A) DielectricStrength: ① Open Contacts ② Coil and Contacts ① 3,000VAC, 1min ② 2,500VAC, 1min ② 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② 55,000VAC, 1min ② 55,000VAC, 1min ② 5,000VAC, 1min Operating Temperature -40°C to +85°C -40°C to +75°C -40°C to +85°C Terminal Type Quick connect, PCB Bolt type PCB		20A 450VDC/750VDC	24VDC 100A 5×10 ⁴ ops ON/OFF:1S/4S 36VDC 70A5×10 ⁴ ops ON/OFF:1S/4S 48VDC 60A5×10 ⁴ ops ON/OFF:1S/4S	Making55A-Carrying 200A-Breaking55A, 800VAC Making55A-Carrying 200A-Breaking55A, 830VAC Making50A-Carrying270A-Breaking50A, 1000VAC
Max. Switching Power 15KW 4,400W 270,000VA Coil Voltage 12~24VDC 12~48VDC 6~48VDC Coil Power (W) 3W 2.4W,2.6W 3W(200A),5W(270A) DielectricStrength: ① Open Contacts ② Coil and Contacts ① 3,000VAC, 1min ② 2,500VAC, 1min ② 2,500VAC, 1min ① 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② 5,000VAC, 1min ② 2,000VAC, 1min ② 5,000VAC, 1min Deparating Temperature -40°C to +85°C -40°C to +75°C -40°C to +85°C Terminal Type Quick connect, PCB Bolt type PCB	Max. Switching Voltage	750VDC	110VDC	1,000VAC
Coil Voltage 12~24VDC 12~48VDC 6~48VDC Coil Power (W) 3W 2.4W,2.6W 3W(200A),5W(270A) DielectricStrength: ① Open Contacts ② Coil and Contacts ② Coil and Contacts ① 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② 55,000VAC, 1min ② 50,000 ③ 3×10 ⁴ (200A), 3×10 ⁴ (270A) Operating Temperature -40°C to +85°C -40°C to +75°C -40°C to +85°C Terminal Type Quick connect, PCB Bolt type PCB	Max. Switching Current	30A(450VDC)	150A	270A
Coil Power (W) 3W 2.4W,2.6W 3W(200A),5W(270A) DielectricStrength: ① Open Contacts ② Coil and Contacts ② Coil and Contacts ① 10,000 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② 550VAC,50/60Hz,1min ② Coil and Contacts 10,000 50,000 3×10⁴(200A), 3×10⁴(270A) ② Coil and Contacts 10,000 50,000 3×10⁴(200A), 3×10⁴(270A) 	Max. Switching Power	15KW	4,400W	270,000VA
DielectricStrength: ⊕ 3,000VAC, 1min ⊕ 550VAC,50/60Hz,1min ⊕ 2,000VAC, 1min ⊕ Open Contacts ⊕ 2,500VAC, 1min ⊕ 550VAC,50/60Hz,1min ⊕ 5,000VAC, 1min ⊕ Electrical Life (ops.) 10,000 50,000 3×10⁴(200A), 3×10⁴(270A) Operating Temperature -40°C to +85°C -40°C to +75°C -40°C to +85°C Terminal Type Quick connect, PCB Bolt type PCB	Coil Voltage	12~24VDC	12~48VDC	6~48VDC
① Open Contacts ② Coil and Contacts ③ 2,500VAC, 1min ② 550VAC,50/60Hz, 1min ② 5,000VAC, 1min	Coil Power (W)	3W	2.4W,2.6W	3W(200A),5W(270A)
Operating Temperature -40°C to +85°C -40°C to +75°C -40°C to +85°C Terminal Type Quick connect, PCB Bolt type PCB Terminal Layout (Bottom View) (mm)	① Open Contacts			
Terminal Type Quick connect, PCB Bolt type PCB Terminal Layout (Bottom View) (mm)	Electrical Life (ops.)	10,000	50,000	3×10 ⁴ (200A), 3×10 ⁴ (270A)
Terminal Layout (Bottom View) (mm)	Operating Temperature	-40°C to +85°C	-40°C to +75°C	-40°C to +85°C
Terminal Layout (Bottom View) (mm)	Terminal Type	Quick connect, PCB	Bolt type	PCB
Weight (Approximately) 55.0g 85.0g 215.0g	(Bottom View)	38	48 0:01.5 34.00.5 20:00.5 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12±0.1
	Weight (Approximately)	55.0g	85.0g	215.0g

Category		NEW ENERGY RELAY	
Product Model	NE35/NE35T	NE40	NE4N
Relay Picture	The state of the s	The state of the s	
Dimensions L×W×H (mm)	30.4×15.9×25.0	59.0×58.6×34.4	21.0×16.0×20.8
Characteristics	■ Contact : 1 Form A ■ Contact gap ≥ 1.8mm ■ Max. switching capacity: 55A ■ UL Class F insulation ■ Dielectric strength of 4500V between coil and contacts ■ Creepage distance > 8mm	Switching capacity:2x40A Wide contact gap Different leading-out methods can be chosen High withstand voltage,safe and reliable RoHS compliant Applications:Charging pile, battery charging system,solar energy system infrastructure related to new energy.	 Contact:1 Form A,1 Form C Max.Carrying current:35A UL insulation system:Class H Applicable to solar photovoltaic inverter, energy storage, charaging pile etc. Low coil holding voltage contributes to saving energy of equipent
Contact Form	1A	2A	1A,1C
Contact Rating (Resistive Load)	NE35: 35A 277VAC NE35T: 55A 277VAC	2×40A 277VAC	A-20: MakingSA-Carrying20A-BreakingSA 250VAC A-35: MakingSA-Carrying35A-Breaki3A 250VAC C-20: NO:MakingSA-Carrying20A-Break5A 250VAC NC:MakingSA-Carrying16A-Break5A 250VAC C-35: NO:MakingSA-Carrying35A-Break8A 250VAC NC:
Max. Switching Voltage	277VAC	400VAC	250VAC
Max. Switching Current	55A	40A	20A
Max. Switching Power	NE35:9,695VA NE35T:15,235VA	11,080VA	5,000VA
Coil Voltage	5~48VDC	12VDC	5~24VDC
Coil Power (W)	1.4W	Startup:3.8W Holding≥0.6W	2.8W,1.6W,1.2W,1.0W
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 2,500VAC, 1min ② 4,500VAC, 1min	① 1,500VAC, 1min ② 2,500VAC, 1min	① 1,000VAC, 1min ② 2,500VAC, 1min
Electrical Life (ops.)	NE35:50,000 NE35T:30,000	100,000(40A 277VAC,1s /9s)	100,000
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Terminal Type	PCB	PCB	PCB
Terminal Layout (Bottom View) (mm)	NE35 2-91.1°21 22.00.1	12.5±0.1 6.5±0.1 13.5±0.1 14.5±0.	C-20 228.1
Weight (Approximately)	21.0g	98.0g	13.0g

Category	NEW ENERGY RELAY		
Product Model	NE90	NEP7	
Relay Picture	AGO - CO 124-A MED - CO 124-A Manage of the control of the contr		
Dimensions L×W×H(mm)	38.0×33.0×39.5	31.8×27.4×20.0	
Characteristics	 Max.Switching current:100A Contact gap:4mm Low coil holding voltage contributes to saving energy of equipent UL insulation system:Class F Applicable to solar photovoltaic inverter 	Contact Form:1 Form A,1 Form C Coil power:2.25W Contact gap: ≥2.2mm Max.Carrying current:60A UL insulation system:Class H Low coil holding voltage contributes to saving energy of equipent Applicable to solar photovoltaic inverter,energy storage,charaging pile etc.	
Contact Form	1A	1A,1C	
Contact Rating (Resistive Load)	See detailed inside page	A-50: 40A 277VAC A-50: Making15A-Carrying50A-Break15A 277VAC A-60: Making15A-Carrying60A-Break15A 277VAC C: NC:40A 277VAC NC:30A 277VAC	
Max. Switching Voltage	See detailed inside page	277VAC	
Max. Switching Current	See detailed inside page	40A	
Max. Switching Power	30,000VA	11,080VA	
Coil Voltage	6∼24VDC	5~48VDC	
Coil Power (W)	1.9W	2.25W,1.2W,0.9W	
DielectricStrength: ① Open Contacts ② Coil and Contacts	① 2,000VAC, 1min ② 5,000VAC, 1min	⊕ 1,500VAC, 1min ② 4,000VAC, 1min	
Electrical Life (ops.)	See detailed inside page	See detailed inside page	
Operating Temperature	-40°C to +85°C	-40°C to +85°C	
Terminal Type	PCB	PCB	
Terminal Layout (Bottom View) (mm)	NE90-65 2500A NE	A1 C1 5.740.3 3.860.1 5.740.3 1440.1 3.860.1 1.343.040.1 5.740.3 1440.1 3.860.1 1.343.040.1 5.740.3 17.840.1 5.340.3 17.840.1 5.340.3	
Weight (Approximately)	83.0g	26.0g	

Product Model CMS Relay Picture 20.4×26.4×22.7 20.4× 20.4×26.4×22.7 20.4× 20.4×26.4×22.7 20.4× 20.4×26.4×22.7 20.4× 20.4×26.4×22.7	SOLID STATE RELAY	Category	
Dimensions L×W×H (mm) 26.4×26.4×22.7 20.4× ■ 22A continuous current carrying capacity ■ Contact: 1 Form A ■ No noise, low power consumption ■ No mechanical wear, high switching life ■ Operating temperature: -40°C ~ +85°C ■ Rated voltage 9 ~ 32°C ■ Compliance to ROHS Contact Form 1 Form A Contact Rating (Resistive Load) (Resistive Load) Coil Voltage Max. Switching Voltage Max. Switching Current Electrical Life (ops.) Operating Temperature - 1×10 ⁶ (ONOFF:2S/2S) Operating Temperature - 2.9±0.3 Wiring Diagram (Bottom View) Wiring Diagram (Bottom View) Wiring Diagram (Bottom View) Wiring Diagram (Bottom View)	SSR5		
■ 22A continuous current carrying capacity ■ Contact: 1 Form A ■ No noise, low power consumption ■ No mechanical wear, high switching life ■ Operating temperature: -40°C ~ +85°C ■ Rated voltage 9 ~ 32V ■ Compliance to ROHS Contact Form 1 Form A Contact Rating (Resistive Load) Coil Voltage Max. Switching Voltage Max. Switching Voltage Max. Switching Voltage Max. Switching Current Electrical Life (ops.) Operating Temperature - 30. 1×10° (ON/OFF-2S/2S) Operating Temperature Terminal Type Terminal Layout (Bottom View) (mm) ■ Automotive solid ■ No noise ■ High electrical en Operating temperature: -40°C ~ +85°C ■ Automotive solid ■ No noise ■ High electrical en Operating temperature: -40°C ~ +85°C ■ Automotive solid ■ No noise ■ High electrical en Operating temperature: -40°C ~ +85°C ■ Rated voltages Max Switching Lipe and Suitable to control resistive, inductive loads, such as he 1 Form A 2 Automotive solid ■ No noise ■ High electrical en Operating temperature: -40°C ~ +85°C ■ RoHS&ELV Con ■ Suitable to control resistive, inductive loads, such as he 1 Form A 1 Form	INE		
## 22A continuous current carrying capacity High electrical en	20.4×15.1×22.0	26.4×26.4×22.7	Dimensions L×W×H (mm)
Contact Rating (Resistive Load) Coil Voltage 9~32VDC 12 Max. Switching Voltage Max. Switching Current Electrical Life (ops.) Operating Temperature Terminal Type Quick connect Terminal Layout (Bottom View) (mm) Wiring Diagram (Bottom View) Page 187(-) 30(+) 3	 High electrical endurance Operating temperature: 40°C to +85°C Max Switching current:30A(5ms) Ingress protection rating: IP50 	■ Contact: 1 Form A ■ No noise, low power consumption ■ No mechanical wear, high switching life ■ Operating temperature: -40°C ~ +85°C ■ Rated voltage 9 ~ 32V	Characteristics
(Resistive Load) Coil Voltage 9~32VDC 12 Max. Switching Voltage 32VDC 23 Max. Switching Current Electrical Life (ops.) Operating Temperature Terminal Type Quick connect Quick 12 4.1±0.1 Quick Connect Quick 13 Quick Connect Quick 14 Quick Connect Quick Quick Connect Quick Quick Connect Quick Quick Connect Quick A.1±0.1 Quick Connect Quick A.1±0.1 A.1±0.1 A.1±0.1 A.1±0.1	1 Form A	1 Form A	Contact Form
Max. Switching Voltage Max. Switching Current Electrical Life (ops.) Operating Temperature Terminal Type Quick connect Quick Connect Terminal Layout (Bottom View) (mm) Wiring Diagram (Bottom View) (Bottom View) (Bottom View) (Bottom View) Quick Connect A.1±0.1	5A 14VDC(23°C) 2.5A 14VDC(85°C)	22A 9~32VDC	
Max. Switching Current Electrical Life (ops.) Operating Temperature -40°C to +85°C -40°C Terminal Type Quick connect Quick Connect Terminal Layout (Bottom View) (mm) Wiring Diagram (Bottom View) (Bottom View) (Bottom View) (Bottom View) (Bottom View)	12VDC	9~32VDC	Coil Voltage
Electrical Life (ops.) 1×10 ⁶ (ON/OFF:2S/2S) Operating Temperature -40°C to +85°C -40°C Terminal Type Quick connect Quick (Bottom View) (mm) Wiring Diagram (Bottom View) 85(-) 87(-) 30(+) 86	28VDC	32VDC	Max. Switching Voltage
Operating Temperature -40°C to +85°C -40°C Terminal Type Quick connect Quick Remaind Layout (Bottom View) (mm) Wiring Diagram (Bottom View) (Bottom View) Remaind Layout (Bottom View)	30A(5ms)	-	Max. Switching Current
Terminal Layout (Bottom View) (mm) Wiring Diagram (Bottom View)	3×10 ⁵	1×10 ⁶ (ON/OFF:2S/2S)	Electrical Life (ops.)
Terminal Layout (Bottom View) (mm) Wiring Diagram (Bottom View) (Bottom View) (Bottom View) (Bottom View) (Bottom View)	-40°C to +85°C	-40°C to +85°C	Operating Temperature
Terminal Layout (Bottom View) (mm) Wiring Diagram (Bottom View) 87(-) 87(-) 87(-) 86 87(-) 86	Quick connect	Quick connect	Terminal Type
Wiring Diagram (Bottom View) 87(-) 87(-) 86 86	8±0.1	198 98 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(Bottom View)
_		87(-) 30(+)	
Weight (Approximately) 29.0g	7.5g	29.0g	Weight (Approximately)