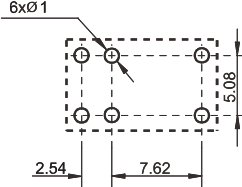
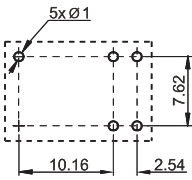
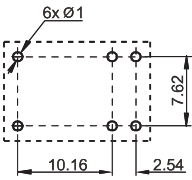
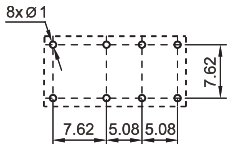
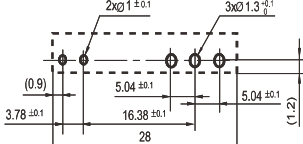
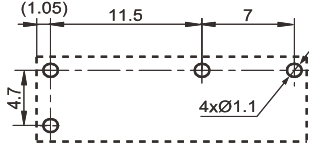




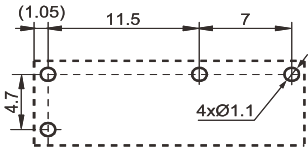
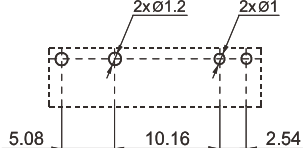
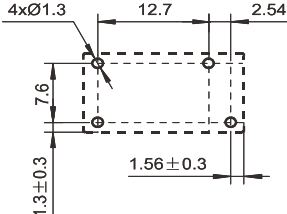
Type	YSA	YSU	YSK
Appearance			
Dimensions(L*W*H) mm	12.5x7.5x10.0	15.7x10.6x12.0	15.7x10.6x12.0
Contact Capacity			
Contact Form	1C	1C	1C
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	200 A		
	100 A		
	50 A		
	40 A		
	30 A		
	20 A		
	15 A		
	10 A		
	5 A		
	1 A		
Max. Switching Voltage	125VAC/60VDC	250VAC/220VDC	250VAC/220VDC
Max. Switching Power	125VA/60W	750VA/90W	750VA/90W
Contact Rating	2A 30VDC 1A 125VAC	3A 30VDC 3A 250VAC	3A 30VDC 3A 250VAC
Coil Date			
Nominal Voltage	3~24VDC	3~24VDC	3~24VDC
Rated Power	0.15W,0.2W	0.20W,0.36W,0.45W	0.20W,0.36W,0.45W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts	500VAC	750VAC
	Between Coil and Contacts	1000VAC	1500VAC
Operate Time/Release Time max.	5ms/5ms	5ms/5ms	5ms/5ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~70℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
	PCB	PCB	PCB
Termination			
Approved Standards			
Cross Reference	Omron:G5V-1	Omron:	Omron:G2E
	TE:V23111	TE:V23101	TE:V23101
	Panasonic:HY	Panasonic:	Panasonic:
	Fujitsu:SY	Fujitsu:MZ	Fujitsu:FBR211
	AZ:AZ951	AZ:AZ952	AZ:AZ951
	HongFa:HFD23	HongFa:HFD17	HongFa:HFD16
	SongChuan:	SongChuan::842A	SongChuan:842
Unit Weight	2.1g	3.7g	3.7g
Pages	59-61	62-64	65-67

Note: Specifications and dimensions are subject to change without any notice.

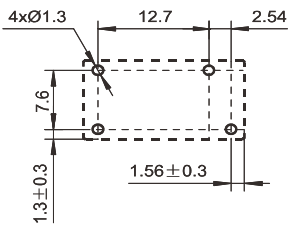
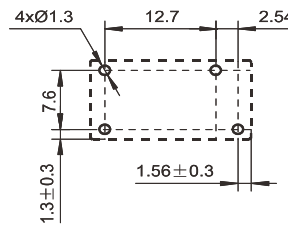
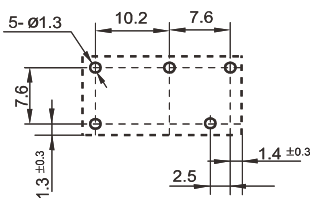
Type	YSV	Y41F	Y46F
Appearance			
Dimensions(L*W*H) mm	20.2x10.0x11.5	28.0x5.0x15.0	20.5x7.0x15.3
Contact Capacity			
Contact Form	2C	1C/1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A		
	2A	6A	5A
Max. Switching Voltage	240VAC/120VDC	400VAC/125VDC	277VAC/30VDC
Max. Switching Power	125VA/60W	1500VA/180W	1385VA/150W
Contact Rating	2A 30VDC 1A 125VAC	6A 30VDC 6A 250VAC	5A/3A 30VDC 5A/3A 250VAC
Coil Data			
Nominal Voltage	3~24VDC	5~48VDC	3~24VDC
Rated Power	0.15W,0.2W,0.36W,0.45W	0.17W	0.2W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 750VAC Between Coil and Contacts 1500VAC	1000VAC 4000VAC	1000VAC 4000VAC
Operate Time/Release Time max.	8ms/5ms	8ms/5ms	10ms/10ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	5x10 ⁶ times
Electrical Endurance min.	1x10 ⁵ times	5x10 ⁴ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			UL/CUL,TUV,CQC
Cross Reference	Omron:G5V-2 TE:V23105 Panasonic:DS2Y Fujitsu:RY AZ:AZ820 HongFa:HFD27 SongChuan:502	Omron: TE: Panasonic:PF Fujitsu:FTR-LY AZ:AZ952 HongFa:HF41F SongChuan:	Omron:G5NB TE:PCJ Panasonic:LD Fujitsu:FTR-F3 AZ: HongFa:HF46F SongChuan:202
Unit Weight	4.6g	5g	3g
Pages	68-70	71-74	75-77

Note: Specifications and dimensions are subject to change without any notice.



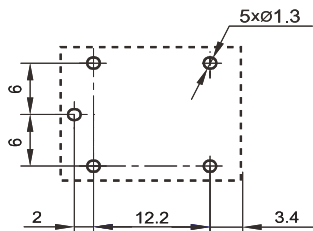
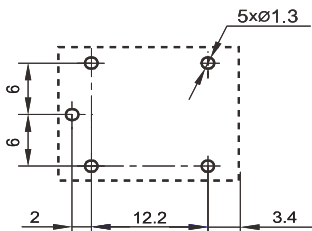
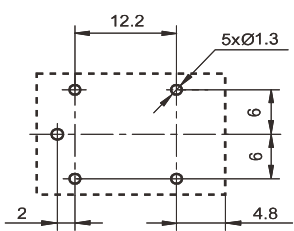
Type	Y46F (10A)	Y49F	Y32F
Appearance			
Dimensions(L*W*H) mm	20.5x7.0x15.3	20.0x5.0x12.5	18.4x10.2x15.5
Contact Capacity			
Contact Form	1A	1A	1C/1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 10A	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 5A	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 5A 1A 3A 1C
Max. Switching Voltage	277VAC/30VDC	250VAC/30VDC	250VAC/30VDC
Max. Switching Power	2770VA/300W	1250VA/150W	1250VA/150W
Contact Rating	10A/7A 30VDC 10A/7A 250VAC	5A 30VDC 5A 250VAC	1A: 5A 250VAC/30VDC 1C: 3A 250VAC/30VDC
Coil Data			
Nominal Voltage	3~24VDC	3~24VDC	3~48VDC
Rated Power	0.2W	0.20W,0.36W,0.45W	0.20W,0.45W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts Between Coil and Contacts	Between Open Contacts Between Coil and Contacts	Between Open Contacts Between Coil and Contacts
Operate Time/Release Time max.	10ms/10ms	10ms/5ms	8ms/5ms
Mechanical Endurance min.	5x10 ⁶ times	2x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	5x10 ⁴ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards	UL/CUL,TUV,CQC		UL/CUL,TUV,CQC
Cross Reference	Omron:G5NB TE:PCJ Panasonic:LD Fujitsu:FTR-F3 AZ: HongFa:HF46F-G SongChuan:	Omron:G6DN TE:V23101 Panasonic:APAN Fujitsu:MY AZ: HongFa:HF49FD SongChuan:	Omron:G5Q TE:OJ Panasonic:JK Fujitsu: AZ:Az767 HongFa:HF32F SongChuan:835
Unit Weight	3g	3g	4.6g
Pages	78-79	80-82	83-85

Note: Specifications and dimensions are subject to change without any notice.

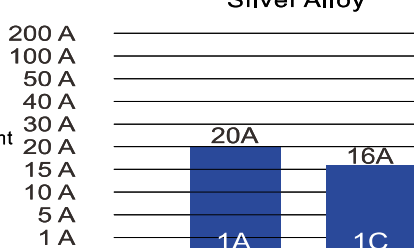
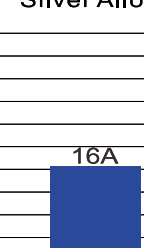
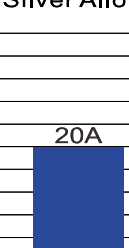
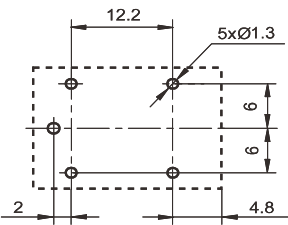
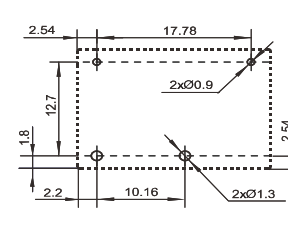
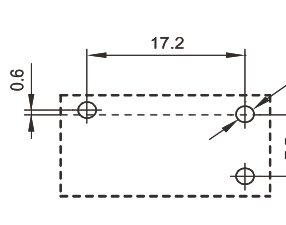
Type	Y32F-H (10A)	Y32F-H (16A)	Y33F
Appearance			
Dimensions(L*W*H) mm	18.4x10.2x15.5	18.4x10.2x15.5	20.5x10.2x15.7
Contact Capacity			
Contact Form	1A	1A	1C/1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 10A	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 16A	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 10A
Max. Switching Voltage	250VAC/30VDC	277VAC	250VAC/30VDC
Max. Switching Power	2500VA/300W	4000VA	1250VA/150W
Contact Rating	10A 250VAC 10A 30VDC	16A 250VAC	NO: 10A 125VAC 5A 250VAC/30VDC NO: 3A 250VAC/30VDC
Coil Data			
Nominal Voltage	3~48VDC	3~48VDC	3~48VDC
Rated Power	0.2W,0.45W	0.2W,0.45W	0.2W,0.45W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts Between Coil and Contacts	Between Open Contacts Between Coil and Contacts	Between Open Contacts Between Coil and Contacts
Operate Time/Release Time max.	8ms/5ms	10ms/5ms	8ms/5ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	5x10 ⁶ times
Electrical Endurance min.	1x10 ⁵ times	5x10 ⁴ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC
Cross Reference	Omron:G5Q TE:OJ Panasonic:JK Fujitsu: AZ:AZ767 HongFa:HF32F-G SongChuan:835	Omron:G5Q TE:OJ Panasonic:JK Fujitsu: AZ:AZ767 HongFa:HF32FV-16 SongChuan:835	Omron:G5SB TE:PCH Panasonic:JQ Fujitsu:JY AZ: HongFa:HF33F SongChuan:892
Unit Weight	6g	7g	7g
Pages	86-88	89-91	92-94

Note: Specifications and dimensions are subject to change without any notice.



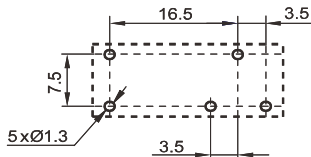
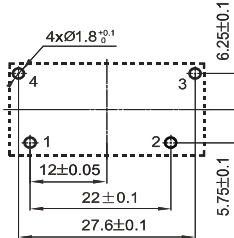
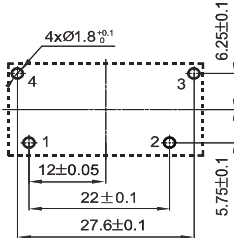
Type	Y3F	Y3F-V	Y3F-U	
Appearance				
Dimensions(L*W*H) mm	19.2x15.4x15.5	19.2x15.4x15.5	20.3x16.6x20.6	
Contact Capacity				
Contact Form	1C/1A/1B	1C/1A/1B	1C/1A/1B	
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy	
Max. Switching Current				
Max. Switching Voltage	250VAC/30VDC	250VAC/30VDC	120VAC	
Max. Switching Power	2500VA/300W	2500VA/300W	1800VA	
Contact Rating	1A: 10A 250VAC/30VDC 1C: NO: 10A 250VAC NC: 5A 250VAC	1A: 10A 250VAC/30VDC 1C: NO: 10A 250VAC NC: 5A 250VAC	1A: 15A 120VAC 1C: 10A 120VAC 1B: 15A 120VAC	
Coil Data				
Nominal Voltage	3~48VDC	3~48VDC	3~48VDC	
Rated Power	0.36W,0.45W	0.36W,0.45W	0.36W,0.45W	
Characteristic Data				
Insulation Resistance	100MΩ	100MΩ	1000MΩ	
Initial Dielectric Strength	Between Open Contacts	750VAC	750VAC	1000VAC
	Between Coil and Contacts	1500VAC	2500VAC	1500VAC
Operate Time/Release Time max.	10ms/5ms	10ms/5ms	10ms/5ms	
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times	
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times	
Ambient Temperature	-40℃~105℃	-40℃~105℃	-40℃~85℃	
Wiring Diagram (Bottom View)				
Termination	PCB	PCB	PCB	
Approved Standards	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	
Cross Reference	Omron:G5LA TE:V23082 Panasonic:JS Fujitsu:FB161-H AZ:943 HongFa:HF3FF SongChuan:833H	Omron:G5LA TE:V23082 Panasonic:JS Fujitsu:FB161-H AZ:943 HongFa:HF3FA SongChuan:833H	Omron:G5L TE:V23074 Panasonic:JS Fujitsu:FB160 AZ:Az4 HongFa:HF21F SongChuan:LN	
Unit Weight	10g	10g	13g	
Pages	95-97	98-100	101-103	

Note: Specifications and dimensions are subject to change without any notice.

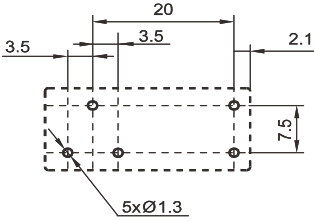
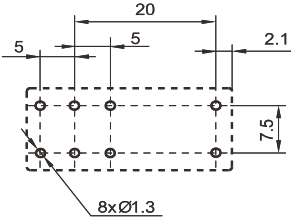
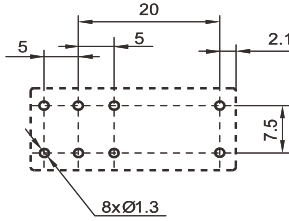
Type	Y3U	YTA	YTV
Appearance			
Dimensions(L*W*H) mm	21.0x16.0x21.6	23.0x16.0x10.2	22.8x12.3x24.4
Contact Capacity			
Contact Form	1C/1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	400VAC	277VAC/30VDC	250VAC/30VDC
Max. Switching Power	4700VA	5000VA/480W	5000VA/480W
Contact Rating	1A: 20A 125VAC 17A 277VAC 1C: 16A 250VAC	16A 250VAC 10A 250VAC/30VDC TV-5 120VAC	20A 250VAC
Coil Data			
Nominal Voltage	3~48VDC	3~48VDC	3~24VDC
Rated Power	0.36W,0.45W	0.2W,0.36W	0.5W
Characteristic Data			
Insulation Resistance	100MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 1000VAC Between Coil and Contacts: 2500VAC	1000VAC 2500VAC	1000VAC 5000VAC
Operate Time/Release Time max.	10ms/5ms	15ms/5ms	15ms/5ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	2x10 ⁶ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	5x10 ⁴ times
Ambient Temperature	-40°C~105°C	-40°C~105°C	-40°C~85°C
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB&QC
Approved Standards	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC
Cross Reference	Omron:G5LE TE: Panasonic:JSM Fujitsu: AZ: HongFa:HF152F SongChuan:	Omron:G5CA TE:PCD Panasonic:JV Fujitsu: AZ: HongFa:HF7520 SongChuan:	Omron:G5J TE:OMIF Panasonic:JR1AF Fujitsu:VR AZ:AZ767 HongFa:HF25F SongChuan:
Unit Weight	14g	9g	16.5g
Pages	104-106	107-109	110-112

Note: Specifications and dimensions are subject to change without any notice.



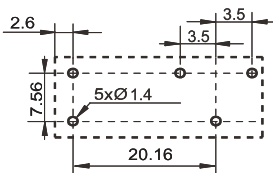
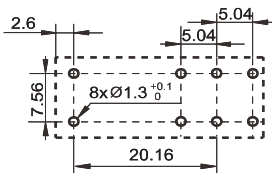
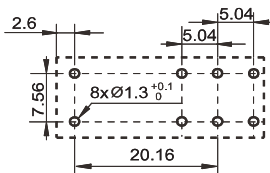
Type	YTR	YTK	YTK-P
Appearance			
Dimensions(L*W*H) mm	24.5x10.5x24.5	30.1x15.7x23.5	30.1x15.7x23.5
Contact Capacity			
Contact Form	1C/1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	10A	25A	25A
Max. Switching Voltage	250VAC/30VDC	277VAC/30VDC	277VAC/30VDC
Max. Switching Power	2500VA/300W	6925VA	6925VA
Contact Rating	NO: 10A 250VAC/30VDC	25A/20A/16A 277/250/240 125/120VAC/30VDC 1HP 120VAC/2HP 240VAC TV-10 120VAC/10A	25A/20A/16A 277/250/240 125/120VAC/30VDC 1HP 120VAC/2HP 240VAC TV-10 120VAC/10A
Coil Data			
Nominal Voltage	3~48VDC	3~48VDC	3~48VDC
Rated Power	0.25W,0.53W	0.9W	0.9W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1000VAC Between Coil and Contacts 4000VAC	1000VAC 4500VAC	1000VAC 4500VAC
Operate Time/Release Time max.	15ms/5ms	15ms/5ms	15ms/5ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	5x10 ⁴ times	5x10 ⁴ times	5x10 ⁴ times
Ambient Temperature	-40℃~70℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB&QC	PCB
Approved Standards		UL/CUL,TUV,CQC	UL/CUL,TUV,CQC
Cross Reference	Omron:G5PA-1 TE:SDT Panasonic:LK Fujitsu:FTR-F2 AZ: HongFa:HF36F SongChuan:	Omron:G4A TE:EF Panasonic:LF Fujitsu: AZ:AZ760 HongFa:HF102F SongChuan:891	Omron:G4A TE:EF Panasonic:LF Fujitsu: AZ:AZ760 HongFa:HF161F SongChuan:891
Unit Weight	12g	23g	21g
Pages	113-115	116-118	119-121

Note: Specifications and dimensions are subject to change without any notice.

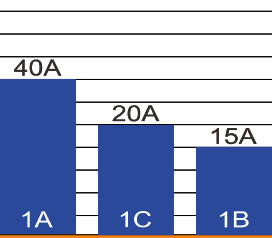
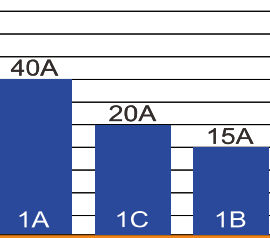
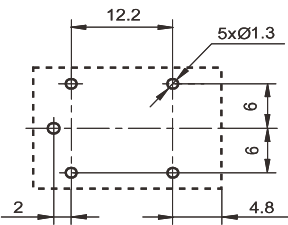
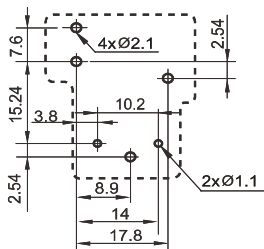
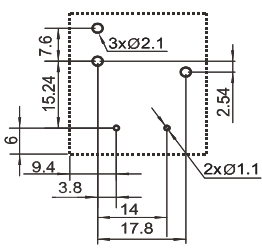
Type	Y14F	Y14F-2	Y14F-W
Appearance			
Dimensions(L*W*H) mm	29.0x13.0x26.0	29.0x13.0x26.0	29.0x13.0x26.0
Contact Capacity			
Contact Form	1C/1A	2C/2A	1C/1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	10A	10A	20A
Max. Switching Voltage	277VAC/30VDC	250VAC/30VDC	277VAC/30VDC
Max. Switching Power	2770VA/300W	2500VA/240W	5540VA/480W
Contact Rating	10A 277VAC/30VDC	10A 250VAC 5A 250VAC 8A 30VDC	16A 250VAC/30VDC
Coil Data			
Nominal Voltage	3~48VDC	5~48VDC	3~48VDC
Rated Power	0.54W,0.72W	0.54W,0.72W	0.54W,0.72W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC
Operate Time/Release Time max.	15ms/5ms	15ms/5ms	15ms/5ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~70℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC
Cross Reference	Omron:G2R TE:V23077 Panasonic:JR1 Fujitsu:VS AZ:AZ697 HongFa:HF14FF SongChuan:845	Omron:G2R TE:V23077 Panasonic:JR2 Fujitsu:FBR-F1 AZ:AZ697 HongFa:HF140F SongChuan:845-2P	Omron:G2Q TE:V23056 Panasonic:JR1AF Fujitsu:VSB AZ:AZ973 HongFa:HF14FW SongChuan:793
Unit Weight	18g	18g	18.5g
Pages	122-124	125-127	128-130

Note: Specifications and dimensions are subject to change without any notice.



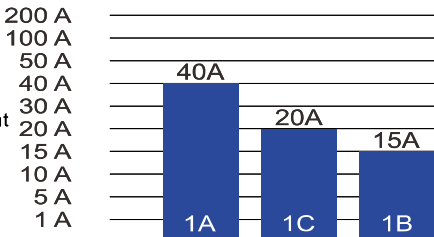
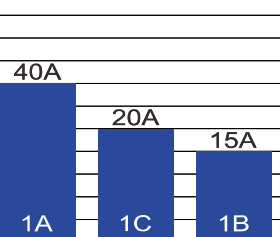
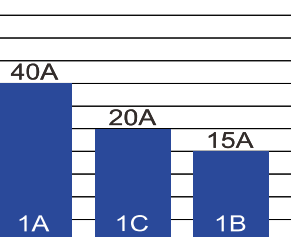
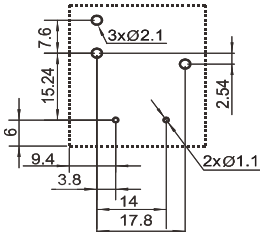
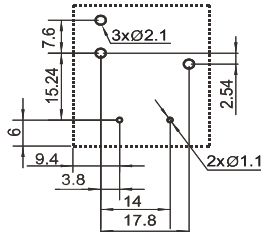
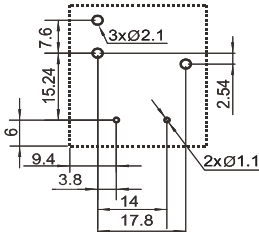
Type	Y15F	Y15F-W	Y15F-2
Appearance			
Dimensions(L*W*H) mm	29.0x12.7x15.7	29.0x12.7x15.7	29.0x12.7x15.7
Contact Capacity			
Contact Form	1C/1A	1C/1A	2C/2A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	16A	20A	8A
Max. Switching Voltage	277VAC	277VAC	277VAC
Max. Switching Power	3000VA	4000VA	2000VA
Contact Rating	12A 250VAC 10A 250VAC	16A 250VAC 12A 250VAC	8A 250VAC 5A 250VAC
Coil Data			
Nominal Voltage	5~48VDC	5~48VDC	5~48VDC
Rated Power	0.4W,0.53W	0.4W,0.53W	0.4W,0.53W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC
Operate Time/Release Time max.	10ms/5ms	10ms/10ms	10ms/10ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~105℃	-40℃~105℃	-40℃~105℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC
Cross Reference	Omron:G2RL TE:RT Panasonic:JW Fujitsu:FTR-K1 AZ: HongFa:HF115F SongChuan:	Omron:G2RL TE:RT Panasonic: Fujitsu: AZ: HongFa:HF115F SongChuan:881	Omron:G2RL TE:RT Panasonic: Fujitsu: AZ: HongFa:HF115F SongChuan:881
Unit Weight	13.5g	13.5g	13.5g
Pages	131-133	134-136	137-139

Note: Specifications and dimensions are subject to change without any notice.

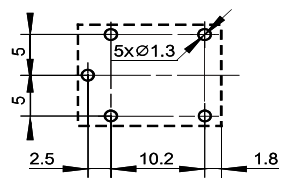
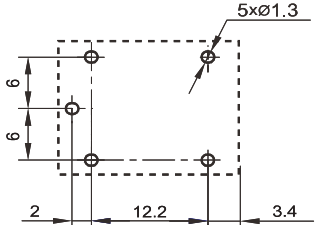
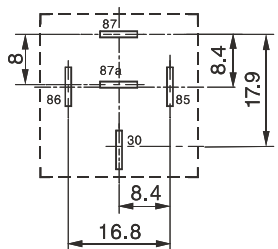
Type	Y7FD	Y90	Y90-1
Appearance			
Dimensions(L*W*H) mm	22.0x16.0x16.5	32.0x27.4x19.8	32.0x27.4x28.1
Contact Capacity			
Contact Form	1C/1A	1C/1A/1B	1C/1A/1B
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	277VAC/28VDC	277VAC/30VDC	277VAC/30VDC
Max. Switching Power	5000VA/280W	11080VA/1200W	11080VA/1200W
Contact Rating	NO: 10A 250VAC/30VDC	1A: 40A 277VAC TV-8 120VAC 1C: 20A 277VAC 1B: 15A 277VAC	1A: 40A 277VAC TV-8 120VAC 1C: 20A 277VAC 1B: 15A 277VAC
Coil Data			
Nominal Voltage	3~48VDC	3~48VDC	3~48VDC
Rated Power	0.36W	0.9W, 1.4W	0.9W, 1.4W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 1000VAC Between Coil and Contacts: 2500VAC	1500VAC/2500VAC 2500VAC/4000VAC	1500VAC 2500VAC
Operate Time/Release Time max.	10ms/5ms	15ms/10ms	15ms/5ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	5x10 ⁴ times	1x10 ⁵ times	5x10 ⁴ times
Ambient Temperature	-40°C~70°C	-40°C~85°C	-40°C~85°C
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB&QC
Approved Standards	UL/CUL, TUV, CQC	UL/CUL, TUV, CQC	UL/CUL, TUV, CQC
Cross Reference	Omron: G5PA-1 TE: SDT Panasonic: LK Fujitsu: FTR-F2 AZ: HongFa: HF7FD SongChuan:	Omron: G8P TE: T9C Panasonic: JT Fujitsu: AZ: AZ2150 HongFa: HF2150 SongChuan: 832	Omron: TE: T9C Panasonic: JT Fujitsu: AZ: AZ2160 HongFa: HF2160 SongChuan: 832
Unit Weight	10g	24g	31g
Pages	140-142	143-145	146-148

Note: Specifications and dimensions are subject to change without any notice.



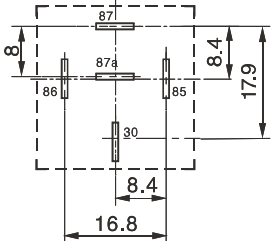
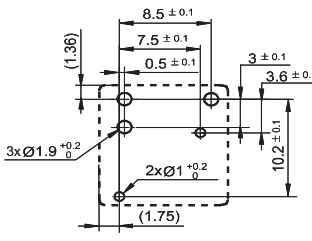
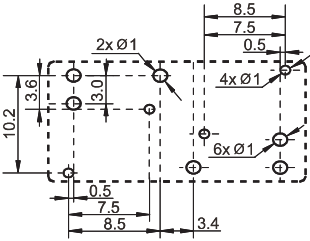
Type	Y90-2	Y90-L	Y90-K
Appearance			
Dimensions(L*W*H) mm	32.0x27.4x28.1	32.0x27.4x28.1	32.0x27.4x28.1
Contact Capacity			
Contact Form	1C/1A/1B	1C/1A/1B	1C/1A/1B
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	277VAC/30VDC	277VAC/30VDC	277VAC/30VDC
Max. Switching Power	11080VA/1200W	11080VA/1200W	11080VA/1200W
Contact Rating	1A: 40A 277VAC TV-8 120VAC 1C: 20A 277VAC 1B: 15A 277VAC	1A: 40A 277VAC TV-8 120VAC 1C: 20A 277VAC 1B: 15A 277VAC	1A: 40A 277VAC TV-8 120VAC 1C: 20A 277VAC 1B: 15A 277VAC
Coil Data			
Nominal Voltage	3~48VDC	3~48VDC	3~48VDC
Rated Power	0.9W,1.4W	0.9W,1.4W	0.9W,1.4W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 1500VAC Between Coil and Contacts: 2500VAC	Between Open Contacts: 1500VAC Between Coil and Contacts: 2500VAC	Between Open Contacts: 1500VAC Between Coil and Contacts: 2500VAC
Operate Time/Release Time max.	15ms/10ms	15ms/10ms	15ms/10ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB&QC	PCB&Screw Type	PCB&QC
Approved Standards	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC	UL/CUL,TUV,CQC
Cross Reference	Omron:G7E TE:T9C Panasonic:JT Fujitsu: AZ:AZ2100 HongFa:HF2100 SongChuan:855	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF2160 SongChuan:	Omron:G7E/G8P TE: Panasonic:JTN Fujitsu: AZ: HongFa:HF105F-5 SongChuan:
Unit Weight	33g	35g	28g
Pages	149-151	152-154	155-157

Note: Specifications and dimensions are subject to change without any notice.

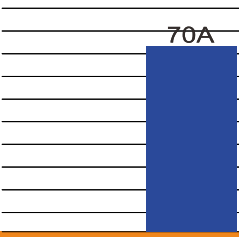
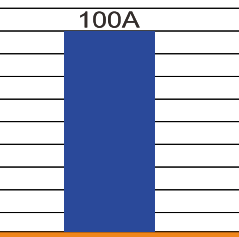
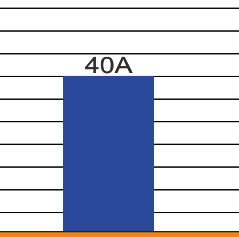
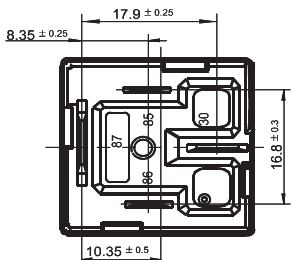
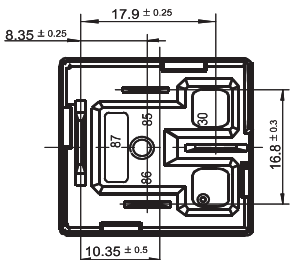
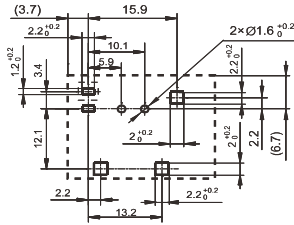
Type	YA	YAW	YAE
Appearance			
Dimensions(L*W*H) mm	15.5x12.1x13.8	19.2x15.4x15.5	26.0x26.0x25.0
Contact Capacity			
Contact Form	1C/1A/1B	1C/1A/1B	1C/1A/2A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	20A	15A	40A
Max. Switching Voltage	250VAC/14VDC	14VDC	75VDC
Max. Switching Power	280W	210W	560W
Contact Rating	5A 250VAC 20A 14VDC	15A 14VDC	1A: 40A 14VDC 2A: 40A 14VDC 1C: 40A/30A 14VDC
Coil Data			
Nominal Voltage	6,9,12,24VDC	12~48VDC	12,24VDC
Rated Power	0.36W,0.6W,0.8W	0.8W	1.6W,1.8W
Characteristic Data			
Insulation Resistance	100MΩ	100MΩ	100MΩ
Initial Dielectric Strength	Between Open Contacts 500VAC	750VAC	500VAC
	Between Coil and Contacts 500VAC	1500VAC	500VAC
Operate Time/Release Time max.	10ms/5ms	10ms/5ms	10ms/10ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40°C~125°C	-40°C~125°C	-40°C~125°C
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB&QC
Approved Standards	CQC		
Cross Reference	Omron:G8QN TE: Panasonic:JJM Fujitsu:FBR51 AZ: HongFa:HFKW SongChuan:895	Omron:G8SN TE: Panasonic:JSM Fujitsu: AZ: HongFa:HF3FF-M SongChuan:T72N	Omron: TE:V23134 Panasonic: Fujitsu: AZ: HongFa:HFV15 SongChuan:832
Unit Weight	6g	8.5g	35g
Pages	159-161	162-164	165-168

Note: Specifications and dimensions are subject to change without any notice.



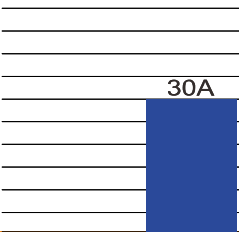
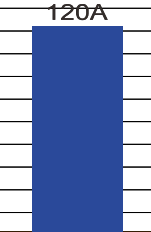
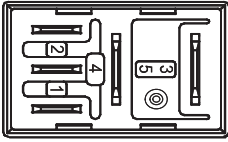
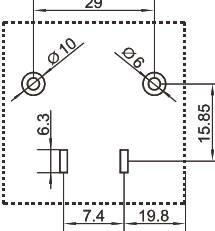
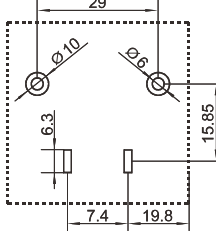
Type	YAF	YAK	YAK-2
Appearance			
Dimensions(L*W*H) mm	28.0x28.0x25.0	12.0x12.9x9.9	23.5x12.9x9.9
Contact Capacity			
Contact Form	1C/1A/1B/2A	1C/1A	2C/2A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	40A	30A	30A
Max. Switching Voltage	30VDC	30VDC	30VDC
Max. Switching Power	560W	420W	420W
Contact Rating	1A: 40A 14VDC 2A: 40A 14VDC 1B: 30A 14VDC 1C: 40A/30A 14VDC	1A: 30A 14VDC 1C: 30A/25A 14VDC	2A: 30A 14VDC 2C: 30A/25A 14VDC
Coil Data			
Nominal Voltage	5~24VDC	6~24VDC	6~24VDC
Rated Power	1.6W,1.8W	0.55W,0.8W	0.55W,0.8W
Characteristic Data			
Insulation Resistance	100MΩ	100MΩ	100MΩ
Initial Dielectric Strength	500VAC	500VAC	500VAC
Operate Time/Release Time max.	10ms/10ms	10ms/10ms	10ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40°C~125°C	-40°C~125°C	-40°C~125°C
Wiring Diagram (Bottom View)			
Termination	PCB&QC	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE:V23134 Panasonic: Fujitsu: AZ: HongFa: SongChuan:	Omron: TE:V23086 Panasonic:CP Fujitsu: AZ: HongFa:HFKC SongChuan:102	Omron:G8NW TE: Panasonic:TB Fujitsu: AZ: HongFa: SongChuan:
Unit Weight	33g	4g	28g
Pages	169-172	173-176	177-180

Note: Specifications and dimensions are subject to change without any notice.

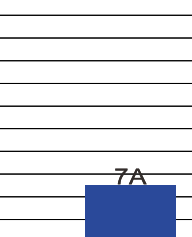
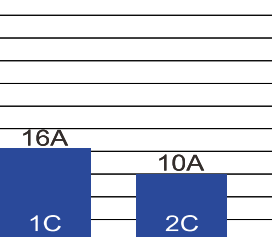
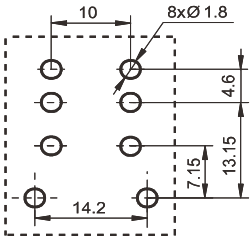
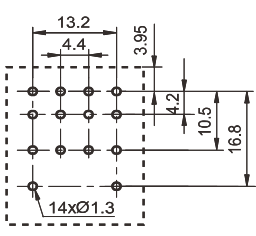
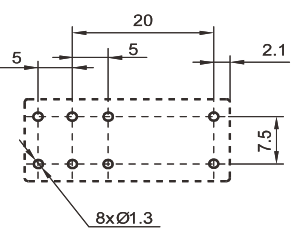
Type	YAL	YAL-100	YAR
Appearance			
Dimensions(L*W*H) mm	26.0x26.0x22.7	26.0x26.0x22.7	27.0x22.0x23.0
Contact Capacity			
Contact Form	1C/1A	1A	1C/1A/1B
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	50VDC	14VDC	30VDC
Max. Switching Power	980W	1400W	405W
Contact Rating	70A 14VDC 40A 28VDC	100A 14VDC	1A: 40A 14VDC 1B: 30A 14VDC 1C: 40A/30A 14VDC
Coil Data			
Nominal Voltage	6,9,12,24VDC	6,9,12,24VDC	5~24VDC
Rated Power	1.6W,1.8W,2.0W	1.6W,1.8W,2.0W	1.6W
Characteristic Data			
Insulation Resistance	100MΩ	100MΩ	100MΩ
Initial Dielectric Strength	Between Open Contacts: 500VAC Between Coil and Contacts: 500VAC	Between Open Contacts: 500VAC Between Coil and Contacts: 500VAC	Between Open Contacts: 500VAC Between Coil and Contacts: 500VAC
Operate Time/Release Time max.	10ms/10ms	10ms/10ms	10ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁷ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40°C~125°C	-40°C~125°C	-40°C~125°C
Wiring Diagram (Bottom View)			
Termination	PCB&QC	PCB&QC	PCB
Approved Standards			
Cross Reference	Omron:G8JR TE:V23134-J Panasonic:CB Fujitsu: AZ: HongFa:HFV16 SongChuan:879	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:	Omron:G8PE TE:V23076 Panasonic: Fujitsu:FRL274 AZ: HongFa:HFKP SongChuan:822
Unit Weight	36g	37g	20g
Pages	181-184	185-188	189-192

Note: Specifications and dimensions are subject to change without any notice.



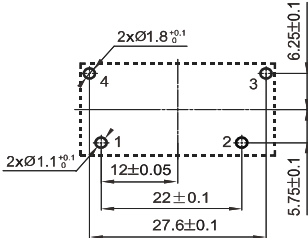
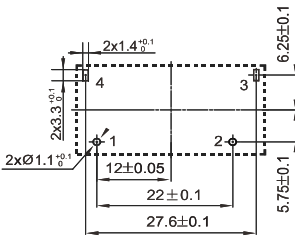
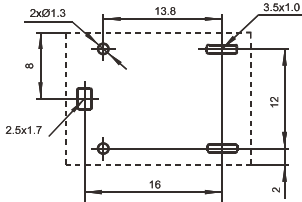
Type	YAM	YAV	YAV-H
Appearance			
Dimensions(L*W*H) mm	22.8x14.8x26.0	45.0x45.0x68.0	45.0x45.0x68.0
Contact Capacity			
Contact Form	1C/1A	1C/1A	1C/1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	30VDC	75VDC	75VDC
Max. Switching Power	420W		
Contact Rating	1A: 30A 14VDC 1C: 20A/10A 14VDC	120A 12VDC 60A 24VDC	200A 12VDC 100A 24VDC
Coil Data			
Nominal Voltage	5~24VDC	12VDC,24VDC	12VDC,24VDC
Rated Power	1.2W,1.6W,1.8W	2.4W,4.8W	2.4W,4.8W
Characteristic Data			
Insulation Resistance	100MΩ	100MΩ	100MΩ
Initial Dielectric Strength	Between Open Contacts: 500VAC Between Coil and Contacts: 500VAC	750VAC 750VAC	750VAC 750VAC
Operate Time/Release Time max.	10ms/10ms	15ms/10ms	15ms/10ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40°C~125°C	-40°C~125°C	-40°C~125°C
Wiring Diagram (Bottom View)			
Termination	QC	PCB	PCB
Approved Standards			
Cross Reference	Omron:G8HN TE:V23074-A Panasonic:CM Fujitsu: AZ: HongFa:HFV6 SongChuan:871	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:
Unit Weight	36g	4g	28g
Pages	193-196	197-199	200-202

Note: Specifications and dimensions are subject to change without any notice.

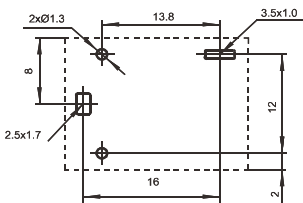
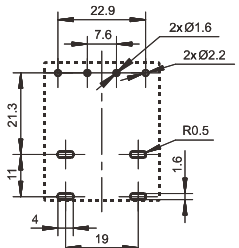
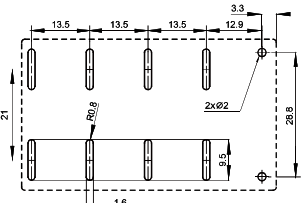
Type	Y13F	Y18F	Y14F-D
Appearance			
Dimensions(L*W*H) mm	27.3x21.0x35.2	27.5x21.2x37.0	29.0x13.0x30.0
Contact Capacity			
Contact Form	1C/1A/2C/2A	2C/3C/4C	1C/2C
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	250VAC/30VDC	250VAC/30VDC	250VAC/30VDC
Max. Switching Power	1C,1A:3750VA/450W 2C,2A:2500VA/300W	2C,3C:1750VA/210W 4C:1500VA/180W	1C:4000VA/480W 2C:2500VA/300W
Contact Rating	1C,1A:15A 250VAC/30VDC 2C,2A:10A 250VAC/30VDC	2C,3C:7A 250VAC/30VDC 4C:6.5A 250VAC/30VDC	1C: 12A 250VAC/30VDC 2C: 8A 250VAC/30VDC
Coil Date			
Nominal Voltage	6~277VAC/5~220VDC	6~277VAC/5~220VDC	5~110VAC/6~240VDC
Rated Power	1.2~1.8VA/0.9W~1.1W	0.9~1.5VA/0.8W~1.1W	0.9VA/0.53W
Characteristic Data			
Insulation Resistance	500MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 1000VAC Between Coil and Contacts: 1500VAC	1000VAC 1500VAC	1000VAC 5000VAC
Operate Time/Release Time max.	25ms/25ms(DC Type)	25ms/25ms	20ms/20ms
Mechanical Endurance min.	1x10 ⁷ times	2x10 ⁷ times	3x10 ⁷ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~70℃	-40℃~70℃	-40℃~70℃
Wiring Diagram (Bottom View)			
Termination	PCB&Plug-in	PCB&Plug-in	Plug-in
Approved Standards			
Cross Reference	Omron:LY1/2 TE: Panasonic:HL Fujitsu:FRL260 AZ: HongFa:HF13F SongChuan:	Omron:MY2/3/4 TE:KHAU-11/17 Panasonic: Fujitsu: AZ: HongFa:HF18FF SongChuan:	Omron:G2R TE: Panasonic: Fujitsu: AZ: HongFa:HF157 SongChuan:
Unit Weight	37g	8.5g	24g
Pages	203-205	206-209	210-215

Note: Specifications and dimensions are subject to change without any notice.



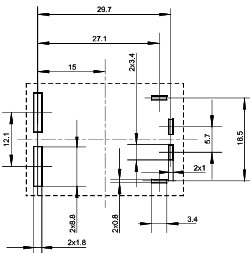
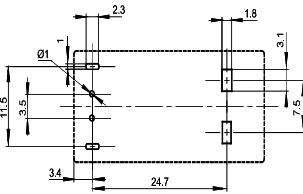
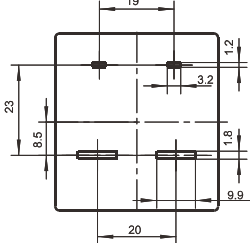
Type	YGE01	YGE02	YGE03
Appearance			
Dimensions(L*W*H) mm	30.4x15.9x23.3	30.4x15.9x23.3	21.5x16.0x20.6
Contact Capacity			
Contact Form	1A	1A	1C/1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	33A	43A	32A
Max. Switching Voltage	277VAC	277VAC	277VAC
Max. Switching Power	7750VA	11911VA	8864VA
Contact Rating	26A 250VAC	Making 20A,Loading 40A, Breaking 20A, 277VAC,Resistive Load	32A 277VAC 25A 277VAC
Coil Data			
Nominal Voltage	9~24VDC	6~24VDC	12~48VDC
Rated Power	1.4W	1.6W,3.8W	1.7W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2500VAC Between Coil and Contacts 4500VAC	2500VAC 4500VAC	1000VAC 2500VAC/4000VAC
Operate Time/Release Time max.	20ms/10ms	20ms/10ms	15ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁷ times	3x10 ⁵ times
Electrical Endurance min.	3x10 ⁴ times	1x10 ⁵ times	1x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~105℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic:LF-G Fujitsu: AZ: HongFa:HF161F-W SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF161F-40W SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF178F SongChuan:207
Unit Weight	21g	25g	16g
Pages	217-219	220-222	223-224

Note: Specifications and dimensions are subject to change without any notice.

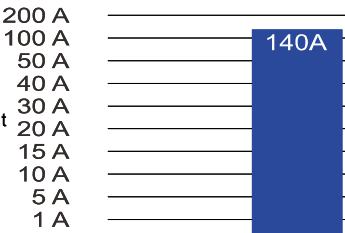
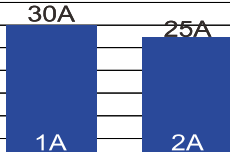
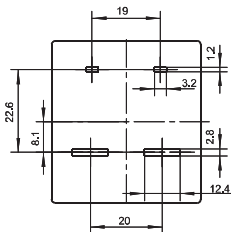
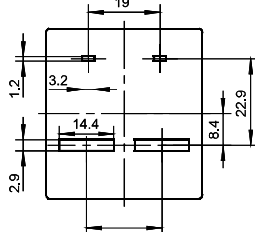
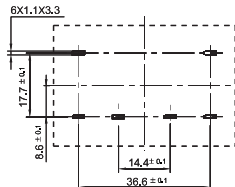
Type	YGE04	YGE05	YGE06
Appearance			
Dimensions(L*W*H) mm	21.5x16.0x20.6	36.0x30.0x40.0	59.0x35.0x47.0
Contact Capacity			
Contact Form	1A	2A	4A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	32A	40A	40A
Max. Switching Voltage	600VAC	277VAC	440VAC
Max. Switching Power	8864VA	11080VA	17600VA
Contact Rating	32A 277VAC 26A 277VAC	40A 277VAC	Making 10A,Loading 40A, Breaking 10A, 440VAC,Resistive Load
Coil Data			
Nominal Voltage	5~48VDC	6~48VDC	9~48VDC
Rated Power	1.7W~2.8W	1.9W	4.8W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1500VAC/2000VAC Between Coil and Contacts 2000VAC/4000VAC	2000VAC 5000VAC	2000VAC 5000VAC
Operate Time/Release Time max.	15ms/10ms	25ms/25ms	50ms/20ms
Mechanical Endurance min.	1x10 ⁵ times	1x10 ⁶ times	1x10 ⁵ times
Electrical Endurance min.	3x10 ⁴ times	3x10 ⁴ times	5x10 ⁴ times
Ambient Temperature	-40℃~105℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF179F SongChuan:207	Omron: TE: Panasonic:HES Fujitsu: AZ: HongFa:HF170F SongChuan:	Omron:G2R TE: Panasonic: Fujitsu: AZ: HongFa:HF187F SongChuan:
Unit Weight	16g	66g	200g
Pages	225-228	229-231	232-234

Note: Specifications and dimensions are subject to change without any notice.



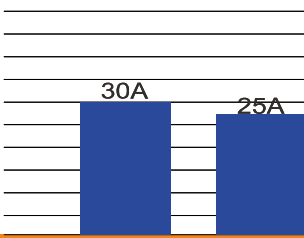
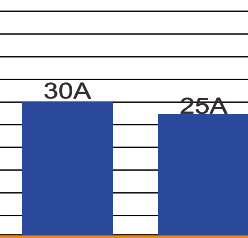
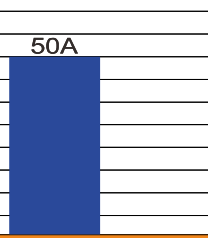
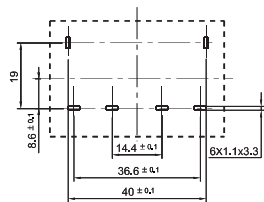
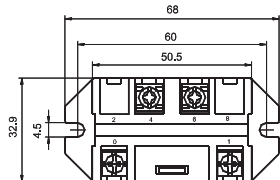
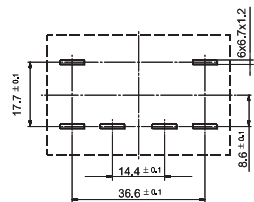
Type	YGE07	YGE08	YGE09
Appearance			
Dimensions(L*W*H) mm	35.0x25.0x28.0	32.0x16.0x28.0	45.0x41.3x43.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	48A	32A	100A
Max. Switching Voltage	600VAC	277VAC	800VAC
Max. Switching Power	13296VA	8864VA	24000VA
Contact Rating	Making 10A,Loading 48A, Breaking 10A, 277VAC,Resistive Load	Making 10A,Loading 32A, Breaking 10A, 277VAC,Resistive Load	Making 30A,Loading 100A, Breaking 30A, 690VAC,Resistive Load
Coil Data			
Nominal Voltage	9~48VDC	5~48VDC	6~24VDC
Rated Power	1.92W	1.92W	2.5W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2000VAC Between Coil and Contacts 4000VAC	2500VAC 4000VAC	2000VAC 5000VAC
Operate Time/Release Time max.	30ms/20ms	30ms/20ms	30ms/10ms
Mechanical Endurance min.	1x10 ⁵ times	5x10 ⁵ times	1x10 ⁶ times
Electrical Endurance min.	5x10 ⁴ times	5x10 ⁴ times	3x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF189F SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF190F SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF172F-100 SongChuan:511HP1
Unit Weight	66g	30g	125g
Pages	235-237	238-240	241-242

Note: Specifications and dimensions are subject to change without any notice.

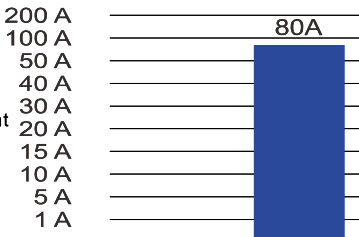
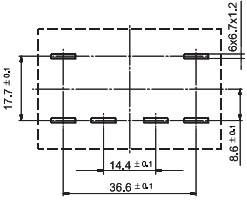
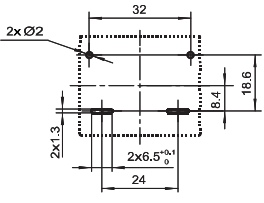
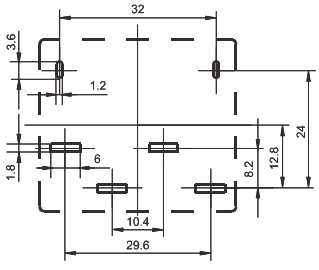
Type	YGE10	YGE11	YGE12
Appearance			
Dimensions(L*W*H) mm	45.0x41.5x43.0	45.0x41.5x50.5	50.5x33.0x36.0
Contact Capacity			
Contact Form	1A	1A	1A/2A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	 140A	 200A	 30A 1A 25A 2A
Max. Switching Voltage	800VAC	830VAC	277VAC
Max. Switching Power	24000VA	166000VA	8310VA
Contact Rating	Making 30A, Loading 140A, Breaking 30A, 400VAC, Resistive Load	Making 50A, Loading 200A, Breaking 50A, 830VAC, Resistive Load	1A:30A 240VAC/277VAC 2A:25A 240VAC/277VAC
Coil Data			
Nominal Voltage	6~24VDC	6~24VDC	6~240VAC/3~220VDC
Rated Power	2.5W	3W	2.7VA/1.9W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 2000VAC Between Coil and Contacts: 5000VAC	Between Open Contacts: 2000VAC Between Coil and Contacts: 5000VAC	Between Open Contacts: 2000VAC Between Coil and Contacts: 4000VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/30ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁵ times	1x10 ⁷ times
Electrical Endurance min.	3x10 ⁴ times	3x10 ⁴ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-55℃~70℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: HF172F-140 SongChuan: 511EP	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: HF172F-200 SongChuan:	Omron: G7L TE: Panasonic: HE Fujitsu: AZ: HongFa: HF161F-1 SongChuan:
Unit Weight	135g	215g	120g
Pages	243-244	245-246	247-250

Note: Specifications and dimensions are subject to change without any notice.



Type	YGE13	YGE14	YGE15
Appearance			
Dimensions(L*W*H) mm	51.5x35.0x36.0	50.5x33.0x51.0	51.5x35.0x36.0
Contact Capacity			
Contact Form	1A/2A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	277VAC	277VAC	277VAC
Max. Switching Power	8310VA	8310VA	15235VA
Contact Rating	1A:30A 240VAC/277VAC 2A:25A 240VAC/277VAC	1A:30A 240VAC/277VAC 2A:25A 240VAC/277VAC	50A 277VAC
Coil Date			
Nominal Voltage	6~240VAC/3~220VDC	6~240VAC/3~220VDC	3~48VDC
Rated Power	2.7VA/1.9W	2.7VA/1.9W	3.2W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts	2000VAC	2000VAC
	Between Coil and Contacts	4000VAC	4000VAC
Operate Time/Release Time max.	30ms/30ms	30ms/30ms	30ms/30ms
Mechanical Endurance min.	1x10 ⁷ times	1x10 ⁷ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	3x10 ⁴ times
Ambient Temperature	-55℃~70℃	-55℃~70℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB&QC&Screw	Screw Type	PCB
Approved Standards			
Cross Reference	Omron:G7L TE: Panasonic:HE Fujitsu: AZ: HongFa:HF116F-2 SongChuan:	Omron:G7L TE: Panasonic:HE Fujitsu: AZ: HongFa:HF116F-3 SongChuan:	Omron: TE: Panasonic:HE Fujitsu: AZ: HongFa:HF116F-G SongChuan:510H
Unit Weight	120g	120g	120g
Pages	251-254	255-258	259-261

Note: Specifications and dimensions are subject to change without any notice.

Type	YGE16	YGE17	YGE18
Appearance			
Dimensions(L*W*H) mm	50.5x33.0x36.0	38.0x33.0x37.0	40.0x35.0x39.0
Contact Capacity			
Contact Form	1A	1A	2A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	 80A	 65A	 50A
Max. Switching Voltage	277VAC/60VDC	830VAC	600VAC
Max. Switching Power	24930VA	18005VA	13850VA
Contact Rating	80A 250VAC 80A 30VDC	Making 20A,Loading 65A, Breaking 20A, 277VAC,Resistive Load	Making 20A,Loading 50A, Breaking 20A, 277VAC,Resistive Load
Coil Data			
Nominal Voltage	3~48VDC	6~24VDC	6~24VDC
Rated Power	2.5W	1.92W	3W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2000VAC Between Coil and Contacts 4000VAC	2000VAC 5000VAC	2000VAC 5000VAC
Operate Time/Release Time max.	30ms/30ms	30ms/10ms	30ms/30ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	1x10 ⁶ times
Electrical Endurance min.	6x10 ³ times	3x10 ⁴ times	3x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic:HE Fujitsu: AZ: HongFa:HF116F-80 SongChuan:511E	Omron: TE: Panasonic:HE Fujitsu: AZ: HongFa:HF176F SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF185F SongChuan:
Unit Weight	90g	100g	105g
Pages	262-263	264-265	266-267

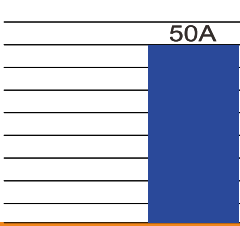
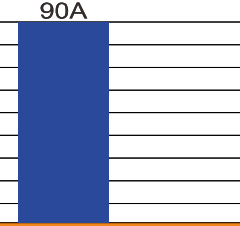
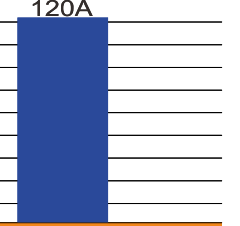
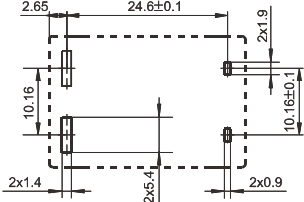
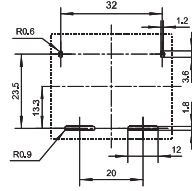
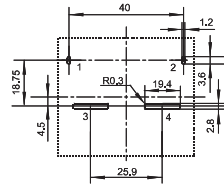
Note: Specifications and dimensions are subject to change without any notice.



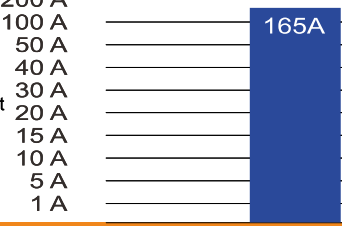
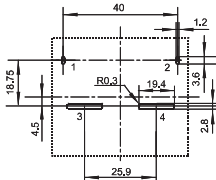
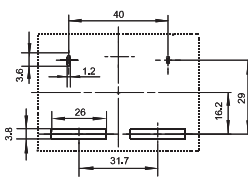
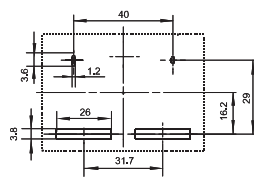
Primary rule relay YUANZE RELAY

List of Brief Parameters

New Energy Relay

Type	YGE19	YGE20	YGE21
Appearance			
Dimensions(L*W*H) mm	30.0x20.0x31.0	38.0x33.0x39.5	50.0x41.0x43.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	600VAC	400VAC	800VAC
Max. Switching Power	13850VA	25920VA	44000VA
Contact Rating	Making 20A,Loading 55A, Breaking 20A, 277VAC,Resistive Load	90A 320VAC	Making 55A,Loading 120A, Breaking 55A, 800VAC,Resistive Load
Coil Data			
Nominal Voltage	6~48VDC	6~24VDC	6~24VDC
Rated Power	2.5W	1.92W	2.5W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2000VAC Between Coil and Contacts 4000VAC	2000VAC 5000VAC	2000VAC 5000VAC
Operate Time/Release Time max.	20ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	1x10 ⁶ times
Electrical Endurance min.	5x10 ⁴ times	3x10 ⁴ times	6x10 ³ times
Ambient Temperature	-40℃~105℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF186F SongChuan:	Omron: TE: Panasonic:HE Fujitsu: AZ: HongFa:HF167F SongChuan:	Omron: TE: Panasonic:HE-N Fujitsu: AZ: HongFa:HF167F-G SongChuan:
Unit Weight	55g	100g	135g
Pages	268-269	270-271	272-273

Note: Specifications and dimensions are subject to change without any notice.

Type	YGE22	YGE23	YGE24
Appearance			
Dimensions(L*W*H) mm	50.0x41.0x53.0	65.0x46.0x53.0	65.0x46.0x53.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	 200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A	 200A	 270A
Max. Switching Voltage	800VAC	830VAC	1000VAC
Max. Switching Power	44000VA	45650VA	270000VA
Contact Rating	Making 55A,Loading 165A, Breaking 55A, 800VAC,Resistive Load	Making 55A,Loading 200A, Breaking 55A, 800VAC,Resistive Load	Making 50A,Loading 270A, Breaking 50A, 1000VAC,Resistive Load
Coil Data			
Nominal Voltage	6~24VDC	6~24VDC	6~24VDC
Rated Power	2.5W	3W	5W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2000VAC Between Coil and Contacts 5000VAC	2000VAC 5000VAC	2000VAC 5000VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	3x10 ⁵ times
Electrical Endurance min.	6x10 ³ times	3x10 ⁴ times	3x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic:HE Fujitsu: AZ: HongFa:HF167F-140 SongChuan:	Omron: TE: Panasonic:HE Fujitsu: AZ: HongFa:HF167F-200 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF167F-270 SongChuan:
Unit Weight	160g	215g	265g
Pages	274-275	276-277	278-280

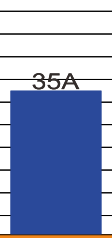
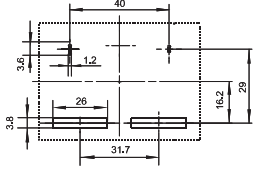
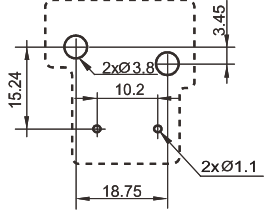
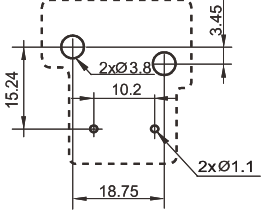
Note: Specifications and dimensions are subject to change without any notice.



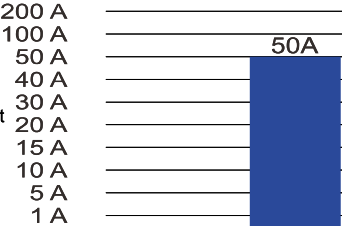
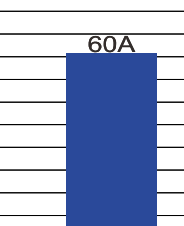
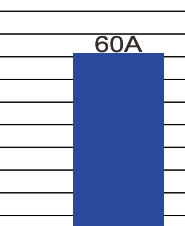
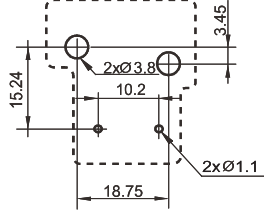
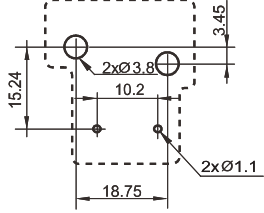
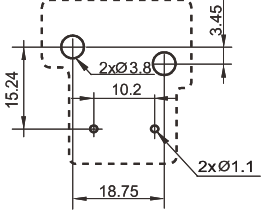
Primary rule relay YUANZE RELAY

List of Brief Parameters

New Energy Relay

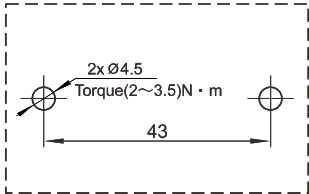
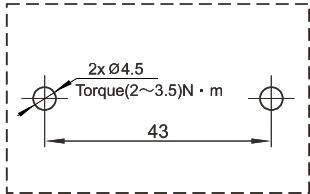
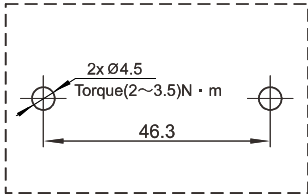
Type	YGE25	Y90-T4	Y90-T5
Appearance			
Dimensions(L*W*H) mm	65.0x46.0x53.0	32.0x27.4x19.8	32.0x27.4x19.8
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	1000VAC	277VAC	277VAC
Max. Switching Power	300000VA	9695VA	12500VA
Contact Rating	Making 65A,Loading 300A, Breaking 65A, 1000VAC,Resistive Load	35A 277VAC/250VAC Making 10A,Loading 43A, Breaking 10A, 277VAC,Resistive Load	50A 277VAC Making 10A,Loading 50A, Breaking 10A, 277VAC,Resistive Load
Coil Data			
Nominal Voltage	6~24VDC	5~48VDC	5~48VDC
Rated Power	5W	2.25W	2.25W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 2000VAC Between Coil and Contacts: 5000VAC	2500VAC 2500VAC/4000VAC	2500VAC 2500VAC/4000VAC
Operate Time/Release Time max.	30ms/10ms	15ms/10ms	15ms/10ms
Mechanical Endurance min.	3x10 ⁵ times	1x10 ⁶ times	1x10 ⁶ times
Electrical Endurance min.	3x10 ⁴ times	3x10 ⁴ times	3x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF165F SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:
Unit Weight	285g	38g	38g
Pages	281-283	284-286	287-289

Note: Specifications and dimensions are subject to change without any notice.

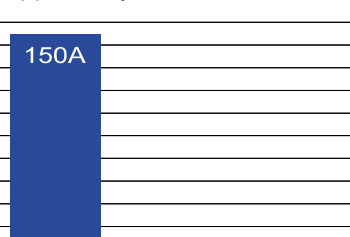
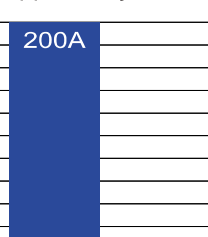
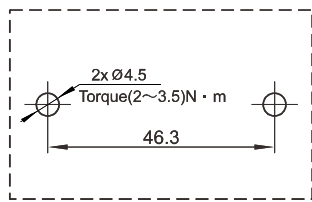
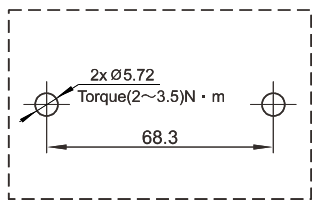
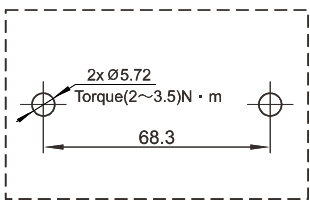
Type	Y90-T5A	Y90-T6	Y90-T6A
Appearance			
Dimensions(L*W*H) mm	32.0x27.4x19.8	32.0x27.4x19.8	32.0x27.4x19.8
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	 200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A	 60 A	 60 A
Max. Switching Voltage	250VAC	277VAC	250VAC
Max. Switching Power	12500VA	16620VA	15000VA
Contact Rating	50A 250VAC	60A 277VAC Making 20A,Loading 60A, Breaking 20A, 277VAC,Resistive Load	60A 250VAC
Coil Data			
Nominal Voltage	5~48VDC	5~48VDC	5~48VDC
Rated Power	0.9W,1.4W	2.25W	0.9W,1.4W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1500VAC Between Coil and Contacts 2500VAC/4000VAC	2500VAC 2500VAC/4000VAC	1500VAC 2500VAC/4000VAC
Operate Time/Release Time max.	15ms/10ms	15ms/10ms	15ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁴ times	1x10 ⁴ times	1x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa: SongChuan:
Unit Weight	38g	38g	38g
Pages	290-292	293-295	296-298

Note: Specifications and dimensions are subject to change without any notice.

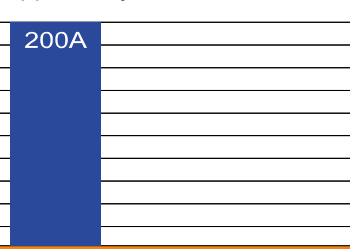
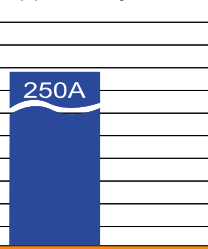
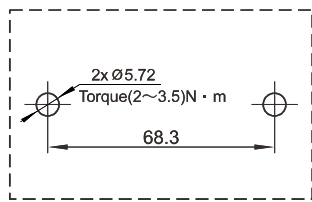
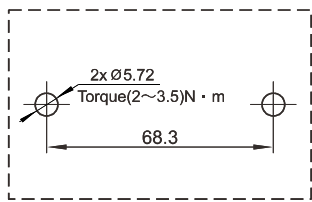
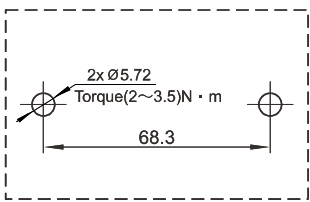


Type	YGV01/30	YGV02/50	YGV01/50
Appearance			
Dimensions(L*W*H) mm	53.0x36.0x39.5	53.0x36.0x39.5	54.0x40.3x58.3
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Copper Alloy	Copper Alloy	Copper Alloy
Max. Switching Current	30A	50A	50A
Max. Switching Voltage	900VDC	900VDC	900VDC
Max. Switching Power	96kW	160kW	160kW
Contact Rating	30A 450VDC	50A 450VDC	50A 450VDC
Coil Data			
Nominal Voltage	12~24VDC	12~24VDC	12~24VDC
Rated Power	3.6W,3.8W	3.6W,3.8W	5.5W,6W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2200Vrms	Between Open Contacts 2200Vrms	Between Open Contacts 2200Vrms
	Between Coil and Contacts 2200Vrms	Between Coil and Contacts 2200Vrms	Between Coil and Contacts 2200Vrms
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁴ times	1x10 ⁴ times	1x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	Lead Wire	Lead Wire	Lead Wire
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-30 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ17V-50 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-50 SongChuan:
Unit Weight	110g	110g	220g
Pages	299-302	303-306	307-310

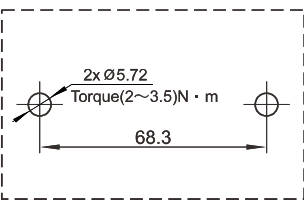
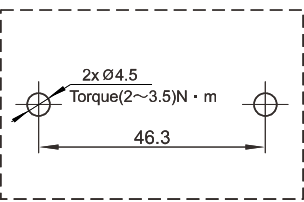
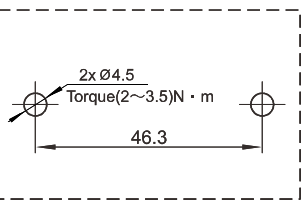
Note: Specifications and dimensions are subject to change without any notice.

Type	YGV01/100	YGV01/150	YGV01/200
Appearance			
Dimensions(L*W*H) mm	54.0x40.3x58.3	80.5x66.0x72.3	80.5x66.0x72.3
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Copper Alloy	Copper Alloy	Copper Alloy
Max. Switching Current			
Max. Switching Voltage	900VDC	900VDC	900VDC
Max. Switching Power	320kW	480kW	640kW
Contact Rating	100A 450VDC	150A 450VDC	200A 450VDC
Coil Data			
Nominal Voltage	12~24VDC	9~36VDC	9~36VDC
Rated Power	5.5W,6W	Maintaining Power 2W	Maintaining Power 2W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 2200Vrms Between Coil and Contacts: 2200Vrms	2000Vrms 2000Vrms	2000Vrms 2000Vrms
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	2x10 ⁵ times	2x10 ⁵ times
Electrical Endurance min.	1x10 ⁴ times	1x10 ⁴ times	1x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	Lead Wire	Lead Wire	Lead Wire
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-100 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-150 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-200 SongChuan:
Unit Weight	220g	440g	440g
Pages	311-314	315-318	319-322

Note: Specifications and dimensions are subject to change without any notice.

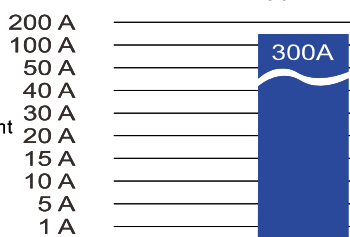
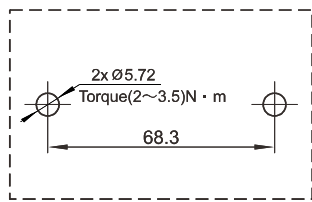
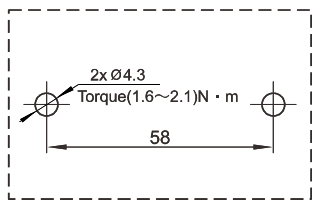
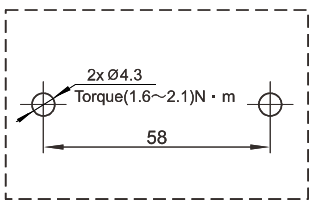
Type	YGV01/150P	YGV01/200P	YGV01/250P
Appearance			
Dimensions(L*W*H) mm	80.5x66.0x72.3	80.5x66.0x72.3	80.5x66.0x72.3
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Copper Alloy	Copper Alloy	Copper Alloy
Max. Switching Current			
Max. Switching Voltage	900VDC	900VDC	900VDC
Max. Switching Power	480kW	640kW	800kW
Contact Rating	150A 450VDC 150A 750VDC	200A 450VDC 200A 750VDC	250A 450VDC 250A 750VDC
Coil Data			
Nominal Voltage	9~36VDC	9~36VDC	9~36VDC
Rated Power	Maintaining Power 2W	Maintaining Power 2W	Maintaining Power 2W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts	2000Vrms	2000Vrms
	Between Coil and Contacts	2000Vrms	2000Vrms
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2x10 ⁶ times	2x10 ⁶ times	2x10 ⁶ times
Electrical Endurance min.	1x10 ³ times	1x10 ³ times	1x10 ³ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	Lead Wire	Lead Wire	Lead Wire
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-150P SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-200P SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-250P SongChuan:
Unit Weight	440g	440g	440g
Pages	323-326	327-330	331-334

Note: Specifications and dimensions are subject to change without any notice.

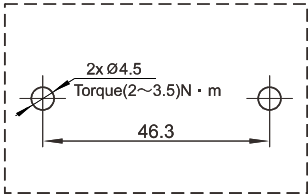
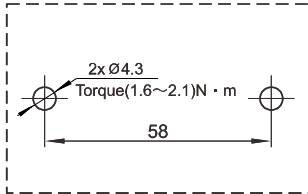
Type	YGV01/250	YGV01/50P	YGV01/100P
Appearance			
Dimensions(L*W*H) mm	80.5x66.0x72.3	54.0x40.3x60.3	54.0x40.3x60.3
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Copper Alloy	Copper Alloy	Copper Alloy
Max. Switching Current	250A	50A	100A
Max. Switching Voltage	900VDC	900VDC	900VDC
Max. Switching Power	800kW	160kW	320kW
Contact Rating	250A 450VDC	50A 450VDC 50A 750VDC	100A 450VDC 100A 750VDC
Coil Data			
Nominal Voltage	9~36VDC	12~24VDC	12~24VDC
Rated Power	Maintaining Power 2W	5.5W,6W	5.5W,6W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2000Vrms	2200Vrms	2200Vrms
Between Coil and Contacts	2000Vrms	2200Vrms	2200Vrms
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁴ times	1x10 ⁴ times	1x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	Lead Wire	Lead Wire	Lead Wire
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-250 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-50P SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-100P SongChuan:
Unit Weight	440g	220g	220g
Pages	335-338	339-342	343-346

Note: Specifications and dimensions are subject to change without any notice.



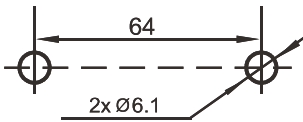
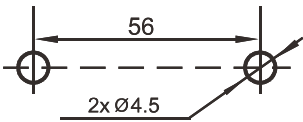
Type	YGV01/300P	YGV03/100P	YGV03/150P
Appearance			
Dimensions(L*W*H) mm	100.0x80.0x64.2	68.0x50.6x58.3	68.0x50.6x58.3
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Copper Alloy	Copper Alloy	Copper Alloy
Max. Switching Current			
Max. Switching Voltage	900VDC	900VDC	900VDC
Max. Switching Power	800kW	320kW	480kW
Contact Rating	300A 450VDC 300A 750VDC	100A 450VDC 100A 750VDC	150A 450VDC 150A 750VDC
Coil Data			
Nominal Voltage	9~36VDC	12~24VDC	12~24VDC
Rated Power	Maintaining Power 2W	5.2W,5.8W	5.2W,5.8W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 2000Vrms Between Coil and Contacts: 2000Vrms	Between Open Contacts: 2000Vrms Between Coil and Contacts: 2000Vrms	Between Open Contacts: 2000Vrms Between Coil and Contacts: 2000Vrms
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	2x10 ⁵ times
Electrical Endurance min.	1x10 ³ times	1x10 ³ times	1x10 ³ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	Lead Wire	Lead Wire	Lead Wire
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ16V-300P SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ18V-100P SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ18V-150P SongChuan:
Unit Weight	640g	350g	350g
Pages	347-350	351-354	355-358

Note: Specifications and dimensions are subject to change without any notice.

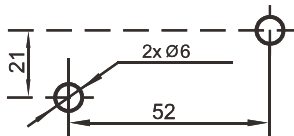
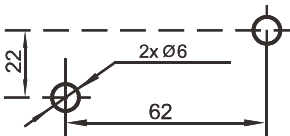
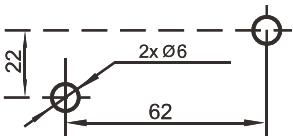
Type	YGV04/150P	YGV04/200P
Appearance		
Dimensions(L*W*H) mm	54.0x40.3x60.3	68.0x50.6x58.3
Contact Capacity		
Contact Form	1A	1A
Contact Material	Copper Alloy	Copper Alloy
Max. Switching Current	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 150A	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 200A
Max. Switching Voltage	200VDC	200VDC
Max. Switching Power	300kW	400kW
Contact Rating	150A 200VDC	200A 200VDC
Coil Data		
Nominal Voltage	12~24VDC	12~24VDC
Rated Power	5.2W,5.8W	5.2W,5.8W
Characteristic Data		
Insulation Resistance	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts Between Coil and Contacts	Between Open Contacts Between Coil and Contacts
Operate Time/Release Time max.	30ms/10ms	30ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	2x10 ⁵ times
Electrical Endurance min.	6x10 ³ times	1x10 ⁴ times
Ambient Temperature	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)		
Termination(Coil End/Load End)	Lead Wire	Lead Wire
Approved Standards		
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ20V-150P SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFZ20V-200P SongChuan:
Unit Weight	220g	350g
Pages	359-362	363-366

Note: Specifications and dimensions are subject to change without any notice.



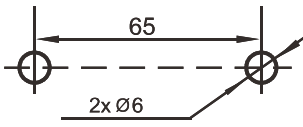
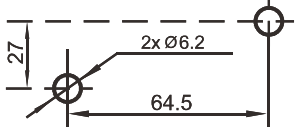
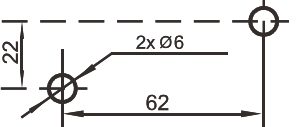
Type	YGV05/20	YGV05/40	YGV05/60
Appearance			
Dimensions(L*W*H) mm	78.0x40.0x46.0	67.0x32.5x47.0	55.0x39.8x37.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 4.5m\Omega$ (20A)	$\leq 3m\Omega$ (40A)	$\leq 1m\Omega$ (60A)
Operate Voltage	$\leq 75\%$	$\leq 75\%$	$\leq 75\%$
Contact Rated Load	20A	40A	60A
Load Voltage	450V 750V 1000V	450V 750V	450V/750V
Max. Breaking Current	200A (1000VDC)1time	400A (300VDC)1time	600A (450VDC)1time
Max. Switching Voltage	1000VDC	1000VDC	1000VDC
Max. Switching Power	18kW 30kW 30kW	36kW 60kW	54kW
Electrical Endurance	Switching: 7.5x10 ⁴ ops 450VDC 20A Switching: 5x10 ⁴ ops 750VDC 20A Switching: 3x10 ⁵ ops 1000VDC 20A	Switching: 2x10 ⁴ ops 450VDC 40A Making: 7.5x10 ⁴ ops 450VDC 40A Switching: 1x10 ³ ops 750VDC 40A Making: 7.5x10 ⁴ ops 750VDC 40A	Switching:7.5x10 ⁴ ops(20VDC,60A) Breaking: 100ops(450VDC,200A)
Coil Data			
Nominal Voltage	12VDC,24VDC,48VDC	12VDC,24VDC	12VDC,24VDC
Rated Power	2.6W	3W	4.5W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 3000VAC Between Coil and Contacts 4000VAC	3000VAC 4000VAC	3000VAC 4000VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/15ms
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	2x10 ⁵ times
Ambient Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	QC Termination	Lead Wire	QC Termination
Termination of Load	QC Termination	Screw Terminal Female	QC Termination
Approved Standards			
Cross Reference	Omron:G9EB TE: Panasonic:AEV520 HongFa:HFE82V-20	Omron: TE: Panasonic:AEVG160 HongFa:HFE82V-40	Omron: TE: Panasonic: HongFa:HFE82V-60
Unit Weight	140g	160g	175g
Pages	367-370	371-374	375-377

Note: Specifications and dimensions are subject to change without any notice.

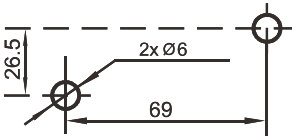
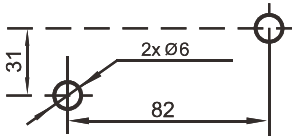
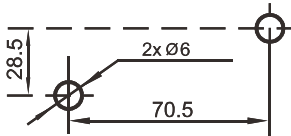
Type	YGV05/60B	YGV05/100D	YGV05/150D	
Appearance				
Dimensions(L*W*H) mm	64.0x33.0x52.8	76.0x36.0x72.0	76.0x36.0x72.0	
Contact Capacity				
Contact Form	1A	1A	1A	
Contact Resistance	≤1mΩ (60A)	≤0.5mΩ (100A)	≤0.5mΩ (150A)	
Operate Voltage	≤75%	≤75%	≤75%	
Contact Rated Load	60A	100A	150A	
Load Voltage	450V/750V	450V750V	450V750V	
Max. Breaking Current	600A (450VDC)1time	400A (300VDC)1time	1200A (300VDC)1time	
Max. Switching Voltage	1000VDC	750VDC	750VDC	
Max. Switching Power	54kW	90kW150kW	135kW225kW	
Electrical Endurance	Making:7.5x10 ⁴ ops(450VDC,60A) Making:5x10 ⁴ ops(750VDC,60A)	Switching:1x10 ³ ops (450VDC,100A) Making:2.5x10 ³ ops (22.5VDC,τ=1ms) Inrush:400A, Steady:100A	Switching:100ops (750VDC,100A) Making:1x10 ³ ops (37.5VDC,τ=1ms) Inrush400A,Steady100A	Switching:100ops (750VDC,150A) Making:1x10 ³ ops (37.5VDC,τ=1ms) Inrush400A,Steady150A Switching:100ops (800VDC,150A) Breaking:100ops (1000VDC,150A)
Coil Date				
Nominal Voltage	12VDC,24VDC	12VDC,24VDC	12VDC,24VDC	
Rated Power	5.2W	5.5W	5.5W	
Characteristic Data				
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ	
Initial Dielectric Strength	Between Open Contacts 3000VAC	3000VAC	3000VAC	
Strength	Between Coil and Contacts 3600VAC	4000VAC	4000VAC	
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms	
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	2x10 ⁵ times	
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃	
Humidity	5%~85%RH	5%~85%RH	5%~85%RH	
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	
Wiring Diagram (Bottom View)				
Termination of Coil	Lead Wire	Connector	Connector	
Termination of Load	Screw Terminal Female	Screw Terminal Female	Screw Terminal Female	
Approved Standards				
Cross Reference	Omron: TE: Panasonic:AEVG160 HongFa:HFE82V-60B	Omron: TE: Panasonic:AEVS160 HongFa:HFE82V-100D	Omron: TE:EV500 Panasonic:AEVS160 HongFa:HFE82V-150D	
Unit Weight	170g	270g	270g	
Pages	378-381	382-385	386-389	

Note: Specifications and dimensions are subject to change without any notice.



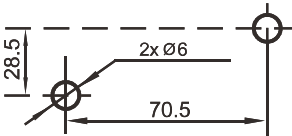
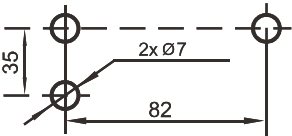
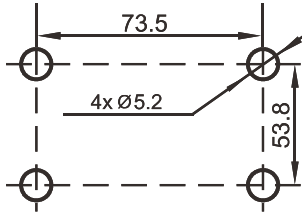
Type	YGV05/150F	YGV05/200B	YGV05/200D
Appearance			
Dimensions(L*W*H) mm	77.0x37.7x71.3	81.0x39.0x70.0	78.7x36.0x72.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 0.5m\Omega$ (150A)	$\leq 0.5m\Omega$ (200A)	$\leq 0.5m\Omega$ (200A)
Operate Voltage	$\leq 75\%$	$\leq 75\%$	$\leq 75\%$
Contact Rated Load	150A	200A	200A
Load Voltage			450V 750V
Max. Breaking Current	1300A (400VDC)1time	2000A (450VDC)1time	1200A (300VDC)1time
Max. Switching Voltage	750VDC	750VDC	750VDC
Max. Switching Power	150kW	180kW	180kW 300kW
Electrical Endurance	Breaking: 5×10^4 ops (475VDC, 20A) Making: 7×10^4 ops (20VDC, 100A)	Breaking: 800ops (1000VDC, 120A) Breaking: 500ops (800VDC, 200A) Breaking: 1time (800VDC, 1500A) Switching: 1×10^3 ops (450VDC, 200A) Switching: 500ops (750VDC, 200A) Switching: 2×10^4 ops (37.5VDC, RC=1ms, Inrush: 400A, Steady: 200A)	Switching: 800ops (450VDC, 200A) Making: 1.5×10^3 ops (22.5VDC, $\tau = 1ms$) Inrush: 400A, Steady: 100A Switching: 100ops (750VDC, 200A) Breaking: 100ops (1000VDC, 150A) Switching: 200ops (800VDC, 200A)
Coil Data			
Nominal Voltage	12VDC, 24VDC	12VDC, 24VDC	12VDC, 24VDC
Rated Power	6W	6W	5.5W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 3000VAC Between Coil and Contacts 4000VAC	3000VAC 4000VAC	3000VAC 4000VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2×10^5 times	2×10^5 times	2×10^5 times
Ambient Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	QC Termination	Connector	Connector
Termination of Load	Screw Terminal Female	Screw Terminal Female	Screw Terminal Female
Approved Standards			
Cross Reference	Omron: TE: Panasonic: AEVH HongFa: HFE82V-150F	Omron: TE: Panasonic: AEVF160 HongFa: HFE82V-200B	Omron: TE: Panasonic: HongFa: HFE82V-200D
Unit Weight	285g	330g	280g
Pages	390-393	394-398	399-402

Note: Specifications and dimensions are subject to change without any notice.

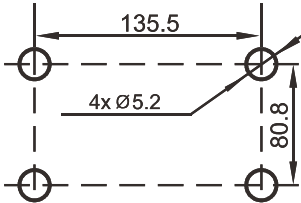
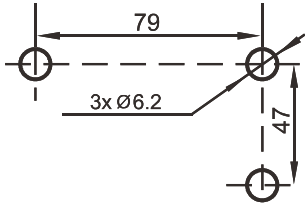
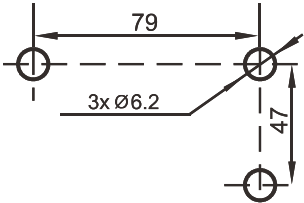
Type	YGV05/200W	YGV05/250	YGV05/250C
Appearance			
Dimensions(L*W*H) mm	55.0x43.0x65.8	95.0x45.0x85.0	88.3x42.5x74.5
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 0.5m\Omega$ (200A)	$\leq 0.5m\Omega$ (250A)	$\leq 0.5m\Omega$ (250A)
Operate Voltage	$\leq 75\%$	$\leq 75\%$	$\leq 75\%$
Contact Rated Load	200A	250A	250A
Load Voltage			450V 750V 800V
Max. Breaking Current	1500A (450VDC)1time	2000A (450VDC)1time	2000A (450VDC)1time 1500A (800VDC)1time
Max. Switching Voltage	750VDC	750VDC	1000VDC
Max. Switching Power	180kW	225kW	250kW
Electrical Endurance	Making: 1×10^5 ops(20VDC C=1500 μ F, Inrush: 150A) Breaking: 5×10^4 ops(450VDC, 15A) Breaking: 500ops(450VDC, 200A)	Switching: 1000ops(450VDC, 250A) Switching: 500ops(750VDC, 250A) Making: 2.5×10^4 ops(22.5VDC $\tau = 1ms$, Inrush: 400A, Steady: 250A) Making: 1time(300VDC C=1100 μ F, Inrush: 1350A)	Making: 7.5×10^4 ops 450VDC Steady: 140A Breaking: 1000ops 450VDC 250A
			Making: 7.5×10^4 ops 450VDC Steady: 140A Breaking: 200ops 750VDC 250A
			Breaking: 1×10^5 ops 1000VDC 20A Breaking: 200ops 800VDC 250A Breaking: 100ops 1000VDC 250A
Coil Data			
Nominal Voltage	12VDC, 24VDC	12VDC, 24VDC	12VDC, 24VDC
Rated Power	6W	6W	6W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 3000VAC	3000VAC	2600VAC
Strength	Between Coil and Contacts 3600VAC	4000VAC	2600VAC
Operate Time/Release Time max.	30ms/10ms	50ms/30ms	30ms/10ms
Mechanical Endurance min.	2×10^5 times	2×10^5 times	2×10^5 times
Ambient Temperature	-40 $^{\circ}$ C~85 $^{\circ}$ C	-40 $^{\circ}$ C~85 $^{\circ}$ C	-40 $^{\circ}$ C~85 $^{\circ}$ C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	Connector	Lead Wire	Connector&QC Termination
Termination of Load	Screw Terminal Female	Screw Terminal Female	Screw Terminal Female
Approved Standards			
Cross Reference	Omron: TE: Panasonic: HongFa: HFE82V-200W	Omron: TE: Panasonic: AEV170 HongFa: HFE82V-250	Omron: TE: Panasonic: AEVA1251 HongFa: HFE82V-250C
Unit Weight	400g	570g	360g
Pages	403-406	407-410	411-414

Note: Specifications and dimensions are subject to change without any notice.



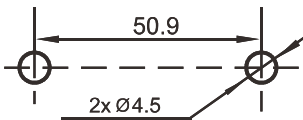
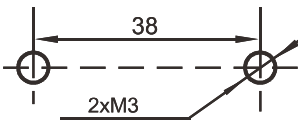
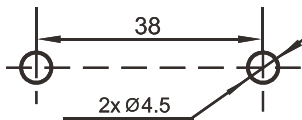
Type	YGV05/300C	YGV05/400M	YGV05/600
Appearance			
Dimensions(L*W*H) mm	88.3x42.5x74.5	95.8x49.0x93.0	146.7x66.5x133.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 0.5m\Omega$ (300A)	$\leq 0.2m\Omega$ (400A)	$\leq 0.15m\Omega$ (600A)
Operate Voltage	$\leq 75\%$	$\leq 75\%$	$\leq 75\%$
Contact Rated Load	300A	400A	600A
Load Voltage	450V 750V 800V	450V/750V/1000V	450V/750V/1000V
Max. Breaking Current	2000A (450VDC)1time 2000A (450VDC)1time 2000A (800VDC)1time	2000A (450VDC)1time	2500A (800VDC)1time
Max. Switching Voltage	1000VDC	800VDC	1000VDC
Max. Switching Power	300kW	360kW	600kW
Electrical Endurance	Making: 7.5×10^4 ops 20VDC Steady: 140A Breaking: 1000ops 450VDC 300A Making: 7.5×10^4 ops 450VDC Steady: 140A Breaking: 500ops 750VDC 300A Breaking: 200ops 1000VDC 300A Breaking: 300ops 800VDC 300A Breaking: 2000ops 1000VDC 20A	Making: 7.5×10^4 ops 20VDC Steady: 140A Breaking: 100ops(900VDC, 400A) Breaking: 100ops(1000VDC, 200A) Breaking: 10ops(1000VDC, 400A) Making: 7.5×10^4 ops (22.5VDC, 140A, C=1100μF) Breaking: 7.5×10^4 ops(450VDC, 5A) Breaking: 2.5×10^4 ops(450VDC, 10A)	Making: 5×10^4 ops(750VDC, 120A) Switching: 1×10^4 ops(800VDC, 10A) Switching: 1×10^4 ops(800VDC, 100A) Switching: 100ops(1000VDC, 600A)
Coil Data			
Nominal Voltage	12VDC, 24VDC	12VDC, 24VDC	12VDC, 24VDC
Rated Power	6W	6W	Switch on: 50W(Making: 0.2s); Holding: 10W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 2600VAC Between Coil and Contacts 2600VAC	3000VAC 3000VAC	3000VAC 4000VAC
Operate Time/Release Time max.	30ms/10ms	50ms/10ms	50ms/30ms
Mechanical Endurance min.	2×10^5 times	2×10^5 times	2×10^5 times
Ambient Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	Connector&QC Termination	Connector	Lead Wire
Termination of Load	Screw Terminal Female	Screw Terminal Female	Screw Terminal Female& Copper Bus Bar Terminal
Approved Standards			
Cross Reference	Omron: TE: Panasonic: AEVA1251 HongFa: HFE82V-300C	Omron: TE: Panasonic: HongFa: HFE82V-400M	Omron: TE: TE600 Panasonic: HongFa: HFE82V-600
Unit Weight	370g	740g	1800g
Pages	415-418	419-422	423-426

Note: Specifications and dimensions are subject to change without any notice.

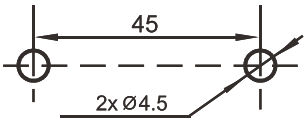
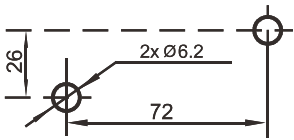
Type	YGV05/1000	YGV06/300	YGV06/400		
Appearance					
Dimensions(L*W*H) mm	166.0x104.5x133.0	93.0x65.0x75.0	93.0x65.0x75.0		
Contact Capacity					
Contact Form	1A	1A	1A		
Contact Resistance	≤0.2mΩ (1000A)	≤0.2mΩ (300A)	≤0.2mΩ (400A)		
Operate Voltage	≤75%	≤75%	≤75%		
Contact Rated Load	1000A	300A	400A		
Load Voltage	1000V/1200V	450V 750V	450V 750V		
Max. Breaking Current	2000A (1000VDC)1time	3000A (450VDC)1time	3000A (450VDC)1time 3000A (750VDC)1time		
Max. Switching Voltage	1500VDC	1000VDC	1000VDC		
Max. Switching Power	1500kW	270kW 450kW	270kW 450kW		
Electrical Endurance	Making:2x10 ⁴ ops(1000VDC,60A) Breaking:1time(1000VDC,2000A) Breaking:50ops(1000VDC,1000A) Breaking:50ops(800VDC,800A) Breaking:1x10 ³ ops(1200VDC,60A)	Making:2.5x10 ⁴ ops (22.5VDC, τ=1ms) Inrush:400A, Steady:300A	Making:1.5x10 ⁴ ops (37.5VDC, τ=1ms) Inrush:400A, Steady:300A	Breaking:1x10 ⁴ ops (450VDC, 80A) Switching:2x10 ³ ops (450VDC,400A)	Breaking:1x10 ⁴ ops (750VDC,80A) Switching:1x10 ³ ops (750VDC,400A)
Coil Date					
Nominal Voltage	12VDC,24VDC	12VDC,24VDC	12VDC,24VDC		
Rated Power	Switch on:50W(Making:0.2s);Holding:10W	Switch on:45W(Making:0.2s);Holding:3.8W	Switch on:45W(Making:0.2s);Holding:3.8W		
Characteristic Data					
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ		
Initial Dielectric Strength	Between Open Contacts 5000VAC	3000VAC	3000VAC		
	Between Coil and Contacts 5000VAC	4000VAC	4000VAC		
Operate Time/Release Time max.	100ms/30ms	30ms/10ms	30ms/10ms		
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	2x10 ⁵ times		
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃		
Humidity	5%~85%RH	5%~85%RH	5%~85%RH		
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²		
Wiring Diagram (Bottom View)					
Termination of Coil	Connector	Connector	Connector		
Termination of Load	Screw Terminal Female& Copper Bus Bar Terminal	Screw Terminal Female& Copper Bus Bar Terminal	Screw Terminal Female		
Approved Standards					
Cross Reference	Omron: TE: Panasonic: HongFa:HFE82V-1000	Omron:G9EH TE:EVC250 Panasonic:AEV190 HongFa:HFE18V-300	Omron: TE: Panasonic: HongFa:HFE18V-400		
Unit Weight	3500g	670g	700g		
Pages	427-430	431-434	435-438		

Note: Specifications and dimensions are subject to change without any notice.



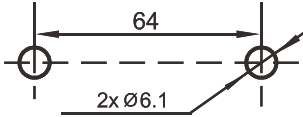
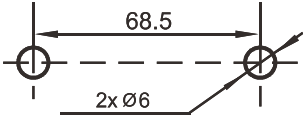
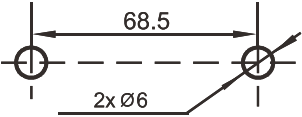
Type	YGV07/20B	YGV07/20C	YGV07/20D
Appearance			
Dimensions(L*W*H) mm	40.0x30.0x31.5	30.1x30.0x29.2	29.0x25.0x29.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 5m\Omega$ (20A)	$\leq 5m\Omega$ (20A)	$\leq 10m\Omega$ (20A)
Operate Voltage	$\leq 75\%$	$\leq 75\%$	$\leq 75\%$
Contact Rated Load	20A	20A	20A
Load Voltage	750V		
Max. Breaking Current	30A (450VDC)5times	30A (450VDC)5times	20A (450VDC)5times
Max. Switching Voltage	450VDC	450VDC	750VDC
Max. Switching Power	18kW	18kW	18kW
Electrical Endurance	Making: 7.5×10^4 ops(450VDC, 20A) Switching: 3×10^3 ops(450VDC, 20A)	Switching: 3×10^3 ops(450VDC, 20A) Switching: 1×10^4 ops(450VDC, 10A) Making: 7.5×10^4 ops(450VDC, 20A)	Making: 7.5×10^4 ops(450VDC, 20A) Switching: 1000ops(450VDC, 15A)
Coil Data			
Nominal Voltage	12VDC, 24VDC	12VDC, 24VDC, 48VDC	12VDC
Rated Power	3W	3W	1.8W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 2500VAC	2000VAC	2500VAC
Between Coil and Contacts	3000VAC	3000VAC	3000VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	50ms/30ms
Mechanical Endurance min.	2×10^5 times	2×10^5 times	2×10^5 times
Ambient Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	QC Termination	QC or PCB Terminal	QC Termination
Termination of Load	QC Termination	QC or PCB Terminal	QC Termination
Approved Standards			
Cross Reference	Omron: TE: Panasonic: AEC510 HongFa: HFE80V-20B	Omron: TE: Panasonic: HongFa: HFE80V-20C	Omron: TE: mini k Panasonic: AECN110 HongFa: HFE80V-20D
Unit Weight	60g	50g	45g
Pages	439-442	443-447	448-450

Note: Specifications and dimensions are subject to change without any notice.

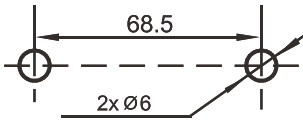
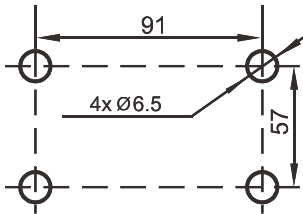
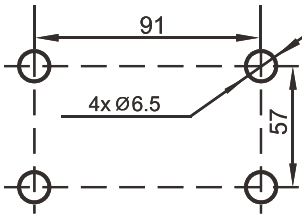
Type	YGV07/40	YGV07/60	YGV07/200
Appearance			
Dimensions(L*W*H) mm	30.1x30.0x29.2	55.0x39.0x42.5	88.0x47.5x88.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 5m\Omega$ (20A)	$\leq 1.5m\Omega$ (20A)	$\leq 1m\Omega$ (20A)
Operate Voltage	$\leq 75\%$	$\leq 75\%$	$\leq 75\%$
Contact Rated Load	40A	60A	200A
Load Voltage			
Max. Breaking Current	50A (450VDC)1time	100A	400A
Max. Switching Voltage	750VDC	200VDC	250VDC
Max. Switching Power	27kW	32kW	80kW
Electrical Endurance	Switching: 1×10^4 ops(450VDC, 10A) Switching: 1×10^3 ops(450VDC, 40A)	Switching: 1×10^5 ops(12VDC, 60A) Switching: 7.5×10^4 ops(150VDC, 10A)	Switching: 1×10^4 ops(200VDC, 40A) Switching: 5×10^3 ops(200VDC, 100A)
Coil Data			
Nominal Voltage	12VDC, 24VDC, 48VDC	12VDC, 24VDC	12VDC, 24VDC
Rated Power	3W	3W	6W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 2000VAC	2000VAC	3000VAC
	Between Coil and Contacts 3000VAC	3000VAC	4000VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2×10^5 times	2×10^5 times	2×10^5 times
Ambient Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	QC or PCB Terminal	QC or PCB Terminal	Connector
Termination of Load	QC or PCB Terminal	PCB Terminal	Screw Terminal Female
Approved Standards			
Cross Reference	Omron: TE: Panasonic: HongFa: HFE80V-40	Omron: TE: Panasonic: HongFa: HFE80V-60	Omron: TE: Panasonic: HongFa: HFE80V-200
Unit Weight	50g	200g	370g
Pages	451-455	456-458	459-462

Note: Specifications and dimensions are subject to change without any notice.



Type	YGV08/20	YGV09/150	YGV09/250
Appearance			
Dimensions(L*W*H) mm	78.0x40.0x46.0	80.4x62.3x72.8	80.4x62.3x72.8
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 5m\Omega$ (20A)	$\leq 0.3m\Omega$ (150A)	$\leq 0.3m\Omega$ (200A)
Operate Voltage	$\leq 80\%$	$\leq 80\%$	$\leq 80\%$
Contact Rated Load	20A	150A	250A
Load Voltage	1000V 1500V		
Max. Breaking Current	200A (1000VDC)1time	1000A (320VDC)1time	2000A (320VDC)1time
Max. Switching Voltage	1000VDC 1500VDC	1000VDC	1000VDC
Max. Switching Power	20kW 30kW	300kW	400kW
Electrical Endurance	Switching: 1×10^5 ops (1000VDC, 15A) Making: 1.5×10^5 ops (1500VDC, 40A)	Breaking: 3000ops (450VDC, 150A) Breaking: 1500ops (750VDC, 150A)	Breaking: 1500ops (450VDC, 250A) Breaking: 500ops (1000VDC, 250A) Breaking: 100ops (450VDC, 250A)
Coil Data			
Nominal Voltage	12VDC, 24VDC, 48VDC	12VDC, 24VDC	12VDC, 24VDC
Rated Power	3W	Switch on: 26W, Holding: 3W	Switch on: 26W, Holding: 3W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 4000VAC	3300VAC	3300VAC
Dielectric Strength	Between Coil and Contacts 4000VAC	3300VAC	3300VAC
Operate Time/Release Time max.	30ms/10ms	30ms/10ms	30ms/10ms
Mechanical Endurance min.	2×10^5 times	2×10^5 times	2×10^5 times
Ambient Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Humidity	5% ~ 85%RH	5% ~ 85%RH	5% ~ 85%RH
Vibration	10Hz ~ 500Hz 49m/s ²	10Hz ~ 500Hz 49m/s ²	10Hz ~ 500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	QC Termination	Lead Wire	Lead Wire
Termination of Load	QC Termination	Screw Terminal Female	Screw Terminal Female
Approved Standards			
Cross Reference	Omron: TE: Panasonic: HongFa: HFE82P-20	Omron: TE: Panasonic: HongFa: HFE85P-150	Omron: TE: Panasonic: HongFa: HFE85P-250
Unit Weight	160g	400g	400g
Pages	463-466	467-470	471-474

Note: Specifications and dimensions are subject to change without any notice.

Type	YGV09/300	YGV10/150	YGV10/250
Appearance			
Dimensions(L*W*H) mm	80.4x62.3x72.8	104.0x70.0x108.0	104.0x70.0x108.0
Contact Capacity			
Contact Form	1A	1A	1A
Contact Resistance	$\leq 0.3m\Omega$ (200A)	$\leq 0.3m\Omega$ (150A)	$\leq 0.3m\Omega$ (250A)
Operate Voltage	$\leq 80\%$	$\leq 80\%$	$\leq 80\%$
Contact Rated Load	300A	150A	250A
Load Voltage			
Max. Breaking Current	2000A (320VDC)1time	1000A (1500VDC)1time	1500A (1000VDC)1time
Max. Switching Voltage	1000VDC	1500VDC	1500VDC
Max. Switching Power	450kW	450kW	500kW
Electrical Endurance	Breaking:1000ops(450VDC,300A) Breaking:100ops(1000VDC,300A) Breaking:50ops(450VDC, - 300A)	Breaking:2x10 ³ ops(1500VDC,100A) Breaking:1x10 ³ ops(1500VDC,150A)	Breaking:3x10 ³ ops(1500VDC,100A) Breaking:2x10 ³ ops(1500VDC,150A)
Coil Data			
Nominal Voltage	12VDC,24VDC	12VDC,24VDC	12VDC,24VDC
Rated Power	Switch on:26W,Holding:3W	Switch on:50W,Holding:5W	Switch on:50W,Holding:5W
Characteristic Data			
Insulation Resistance	1000M Ω	1000M Ω	1000M Ω
Initial Dielectric Strength	Between Open Contacts 3300VAC	4000VAC	4000VAC
	Between Coil and Contacts 3300VAC	4000VAC	4000VAC
Operate Time/Release Time max.	30ms/10ms	50ms/30ms	50ms/30ms
Mechanical Endurance min.	2x10 ⁵ times	2x10 ⁵ times	2x10 ⁵ times
Ambient Temperature	-40°C~85°C	-40°C~85°C	-40°C~85°C
Humidity	5%~85%RH	5%~85%RH	5%~85%RH
Vibration	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²	10Hz~500Hz 49m/s ²
Wiring Diagram (Bottom View)			
Termination of Coil	Lead Wire	Connector	Connector
Termination of Load	Screw Terminal Female	Screw Terminal Female	Screw Terminal Female
Approved Standards			
Cross Reference	Omron: TE: Panasonic: HongFa:HFE85P-300	Omron: TE: Panasonic: HongFa:HFE88P-150	Omron: TE: Panasonic: HongFa:HFE88P-250
Unit Weight	400g	1150g	1150g
Pages	475-478	479-482	483-486

Note: Specifications and dimensions are subject to change without any notice.



Type YGV10/350

Appearance



Dimensions(L*W*H) mm 104.0x70.0x108.0

Contact Capacity

Contact Form	1A
Contact Resistance	$\leq 0.3m\Omega$ (350A)
Operate Voltage	$\leq 80\%$
Contact Rated Load	350A
Load Voltage	
Max. Breaking Current	2000A (1000VDC)1time
Max. Switching Voltage	1500VDC
Max. Switching Power	700kW

Electrical Endurance

Breaking: 5×10^3 ops (1500VDC, 100A)
Breaking: 3×10^3 ops (1500VDC, 150A)

Coil Date

Nominal Voltage	12VDC, 24VDC
Rated Power	Switch on: 50W, Holding: 5W

Characteristic Data

Insulation Resistance 1000M Ω

Initial Dielectric Strength Between Open Contacts 4000VAC

Between Coil and Contacts 4000VAC

Operate Time/Release Time max. 50ms/30ms

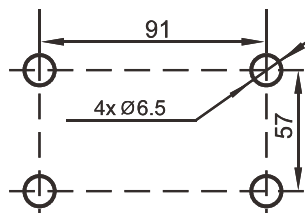
Mechanical Endurance min. 2×10^5 times

Ambient Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$

Humidity 5%~85%RH

Vibration 10Hz~500Hz 49m/s²

Wiring Diagram
(Bottom View)



Termination of Coil	Connector
Termination of Load	Screw Terminal Female
Approved Standards	

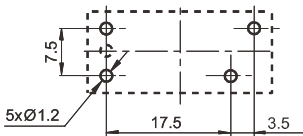
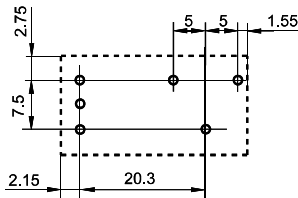
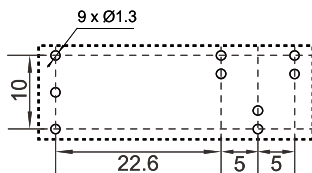
Cross Reference

Omron:
TE:
Panasonic:
HongFa: HFE88P-350

Unit Weight 1150g

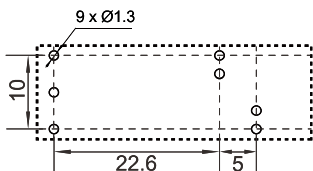
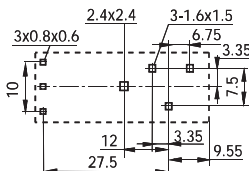
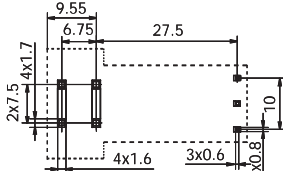
Pages 487-490

Note: Specifications and dimensions are subject to change without any notice.

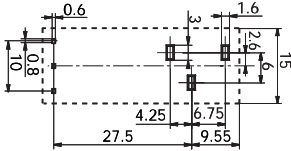
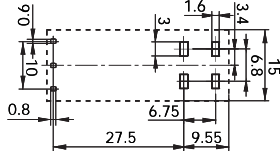
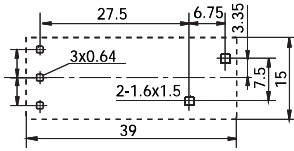
Type	YE10	YE15F	YE15
Appearance			
Dimensions(L*W*H) mm	24.0x10.0x18.8	29.0x12.7x15.7	37.3x13.1x28.8
Contact Capacity			
Contact Form	1A	1C/1A/1B	1C/1A/1B
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	8A	20A	25A
Max. Switching Voltage	250VAC/30VDC	277VAC	400VAC
Max. Switching Power	2500VA/150W	4000VA	5000VA
Contact Rating	8A 250VAC 5A 30VDC	16A 250VAC 20A 250VAC	20A 250VAC 20A 30VDC
Coil Data			
Nominal Voltage	3~24VDC	3~24VDC	3~48VDC
Rated Power	0.2W,0.4W	0.4W,0.6W	0.7W,1.5W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1000VAC Between Coil and Contacts 5000VAC	Between Open Contacts 1000VAC Between Coil and Contacts 4000VAC	Between Open Contacts 1000VAC Between Coil and Contacts 4000VAC
Operate Time/Release Time max.	15ms/15ms	10ms/10ms	15ms/15ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	1x10 ⁶ times
Electrical Endurance min.	5x10 ⁴ times	1x10 ⁵ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-25℃~70℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic:DW Fujitsu: AZ: HongFa:HF163F-L SongChuan:	Omron: TE:RT Panasonic:DJ Fujitsu: AZ: HongFa:HFE20 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE15 SongChuan:
Unit Weight	8g	13g	23g
Pages	491-493	494-499	500-503

Note: Specifications and dimensions are subject to change without any notice.



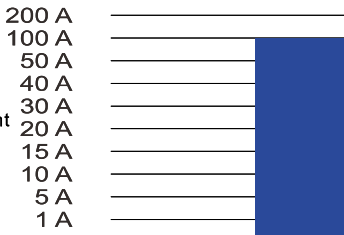
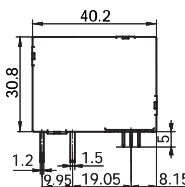
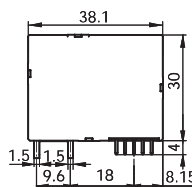
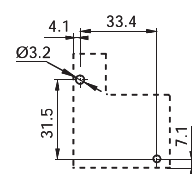
Type	YE15L	YE20	YE20/50
Appearance			
Dimensions(L*W*H) mm	37.3x13.1x28.8	39.0x15.0x30.2	39.0x15.0x30.2
Contact Capacity			
Contact Form	1A/1B	1C/1A/1B	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	25A	50A	50A
Max. Switching Voltage	440VAC	440VAC	440VAC
Max. Switching Power	5000VA	1A:12500VA/1C:10000VA	22000W
Contact Rating	20A 250VAC	50A 277VAC 40A 277VAC	50A 250VAC 50A 60VDC
Coil Data			
Nominal Voltage	3~48VDC	6~48VDC	6~48VDC
Rated Power	0.7W,1.5W	1.5W,3.0W,2.4W,4.8W	2.4W,4.8W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1000VAC Between Coil and Contacts 4000VAC	1500VAC 4000VAC	3000VAC 4000VAC
Operate Time/Release Time max.	15ms/15ms	15ms/15ms	15ms/15ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	1x10 ⁵ times
Electrical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁴ times
Ambient Temperature	-25℃~70℃	-40℃~70℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	PCB	PCB&QC	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic:DW Fujitsu: AZ: HongFa:HF15L SongChuan:	Omron: TE: Panasonic:ADJH Fujitsu: AZ: HongFa:HFE10 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE10-50 SongChuan:
Unit Weight	23g	32g	40g
Pages	504-507	508-514	515-517

Note: Specifications and dimensions are subject to change without any notice.

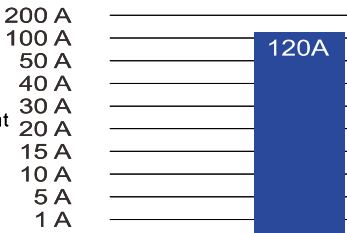
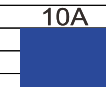
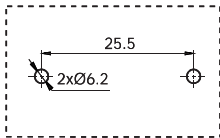
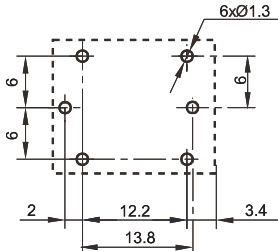
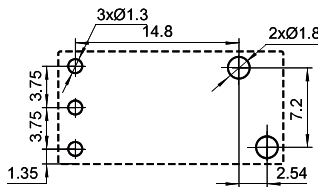
Type	YE20/70	YE20/90	YE20/L
Appearance			
Dimensions(L*W*H) mm	39.0x15.0x30.2	39.0x15.0x30.2	39.0x15.0x29.3
Contact Capacity			
Contact Form	1C/1A/1B	1A	1A/1B
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	200 A 100 A 50 A 40 A 30 A 20 A 15 A 10 A 5 A 1 A 70A	90A	60A
Max. Switching Voltage	440VAC	440VAC	440VAC
Max. Switching Power	30800W	22500VA	15000VA
Contact Rating	70A 277VAC	90A 250VAC 90A 60VDC	20A 277VAC
Coil Data			
Nominal Voltage	6~48VDC	6~48VDC	6~48VDC
Rated Power	3.0W,6.0W	3.0W,6.0W	1.5W,3.0W
Characteristic Data			
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts Between Coil and Contacts	1500VAC 4000VAC	1500VAC 4000VAC
Operate Time/Release Time max.	15ms/15ms	15ms/15ms	15ms/15ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁶ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁴ times	1x10 ⁴ times	1x10 ⁵ times
Ambient Temperature	-40℃~70℃	-40℃~70℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE10-70 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE10-90 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE10-L SongChuan:
Unit Weight	40g	40g	32g
Pages	518-521	522-524	525-528

Note: Specifications and dimensions are subject to change without any notice.



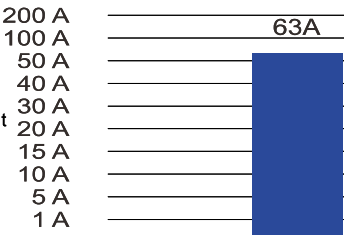
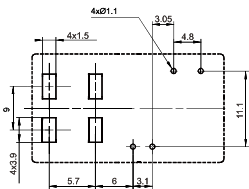
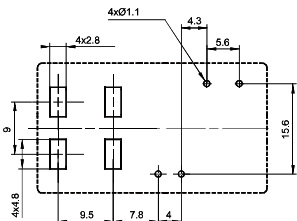
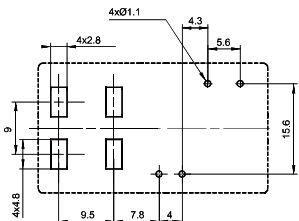
Type	YE25	YE30	YE35	
Appearance				
Dimensions(L*W*H) mm	40.2x30.8x16.5	38.1x30.0x16.5	52.0x43.0x22.0	
Contact Capacity				
Contact Form	1A	1A	1A/1B	
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy	
Max. Switching Current				
Max. Switching Voltage	277VAC	380VAC	276VAC	
Max. Switching Power	27700VA	38000VA	33120VA	
Contact Rating	100A 250VAC	100A 250VAC	100A 220VAC	
Coil Data				
Nominal Voltage	5~48VDC	5~48VDC	6~48VDC	
Rated Power	2.5W,5.0W	2.5W,5.0W	2.4W,4.8W	
Characteristic Data				
Insulation Resistance	1000MΩ	1000MΩ	1000MΩ	
Initial Dielectric Strength	Between Open Contacts	3000VAC	2500VAC	2000VAC
	Between Coil and Contacts	4000VAC	4000VAC	4000VAC
Operate Time/Release Time max.	6ms/6ms	20ms/20ms	20ms/20ms	
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁵ times	1x10 ⁵ times	
Electrical Endurance min.	6x10 ³ times	6x10 ³ times	1x10 ⁴ times	
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃	
Wiring Diagram (Bottom View)				
Termination(Coil End/Load End)	PCB&QC	PCB&QC	PCB&QC	
Approved Standards				
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF66-100 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE53 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE21 SongChuan:	
Unit Weight	42g	50g	85g	
Pages	529-532	533-536	537-543	

Note: Specifications and dimensions are subject to change without any notice.

Type	YE40	Y3FE	Y32FE
Appearance			
Dimensions(L*W*H) mm	115.0x54.0x24.0	19.2x15.4x15.5	20.5x10.2x15.7
Contact Capacity			
Contact Form	3A/3B	1A/1B	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current			
Max. Switching Voltage	276VAC	277VAC/30VDC	277VAC
Max. Switching Power	33120VA	2770VA/300W	2770VA
Contact Rating	100A 220VAC	10A 277VAC 15A 120VAC	10A 250VAC
Coil Data			
Nominal Voltage	6~48VDC	3~48VDC	3~48VDC
Rated Power	5.0W,10.0W	0.4W,0.8W	0.25W,0.5W
Characteristic Data			
Insulation Resistance	1000MΩ	100MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts: 2000VAC Between Coil and Contacts: 4000VAC	750VAC 2000VAC	1000VAC 2500VAC
Operate Time/Release Time max.	30ms/30ms	10ms/5ms	10ms/10ms
Mechanical Endurance min.	1x10 ⁶ times	1x10 ⁷ times	1x10 ⁶ times
Electrical Endurance min.	1x10 ⁴ times	1x10 ⁴ times	1x10 ⁵ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	PCB&QC	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE23 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF3F-L SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF33F-L SongChuan:
Unit Weight	300g	9g	7g
Pages	544-546	547-550	551-553

Note: Specifications and dimensions are subject to change without any notice.



Type	YZEV/63	YZEV/80	YZEV/110
Appearance			
Dimensions(L*W*H) mm	30.0x16.0x25.0	39.2x22.0x27.5	39.2x22.0x27.5
Contact Capacity			
Contact Form	1A	1A	1A
Contact Material	Silver Alloy	Silver Alloy	Silver Alloy
Max. Switching Current	 63A	 80A	 110A
Max. Switching Voltage	80VDC	24VDC	60VDC
Max. Switching Power	5040W	2040W	6600W
Contact Rating	63A 80VDC	80A 24VDC	110A 60VDC
Coil Data			
Nominal Voltage	12~60VDC	12~60VDC	12~48VDC
Rated Power	9W	7.7W	7.7W
Characteristic Data			
Insulation Resistance	100MΩ	1000MΩ	1000MΩ
Initial Dielectric Strength	Between Open Contacts 1000VAC Between Coil and Contacts 1000VAC	3000VAC 3000VAC	3000VAC 3000VAC
Operate Time/Release Time max.	20ms/20ms	30ms/30ms	30ms/30ms
Mechanical Endurance min.	1x10 ⁵ times	1x10 ⁵ times	1x10 ⁵ times
Electrical Endurance min.	6x10 ³ times	1x10 ⁴ times	6x10 ³ times
Ambient Temperature	-40℃~85℃	-40℃~85℃	-40℃~85℃
Wiring Diagram (Bottom View)			
Termination(Coil End/Load End)	PCB	PCB	PCB
Approved Standards			
Cross Reference	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HFE15 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF197F-80 SongChuan:	Omron: TE: Panasonic: Fujitsu: AZ: HongFa:HF197F-110 SongChuan:
Unit Weight	40g	50g	50g
Pages	554-556	557-559	560-562

Note: Specifications and dimensions are subject to change without any notice.

Type YZEV/125

Appearance



Dimensions(L*W*H) mm 39.2x22.0x27.5

Contact Capacity

Contact Form

1A

Contact Material

Silver Alloy

Max. Switching Current	200 A	
	100 A	
	50 A	
	40 A	
	30 A	
	20 A	
	15 A	
	10 A	
	5 A	
	1 A	

125A

Max. Switching Voltage 80VDC

Max. Switching Power 10000W

Contact Rating 125A 80VDC

Coil Data

Nominal Voltage

12~60VDC

Rated Power

53W

Characteristic Data

Insulation Resistance

1000MΩ

Initial Dielectric Strength

Between Open Contacts

3000VAC

Between Coil and Contacts

3000VAC

Operate Time/Release Time max.

30ms/30ms

Mechanical Endurance min.

1x10⁶times

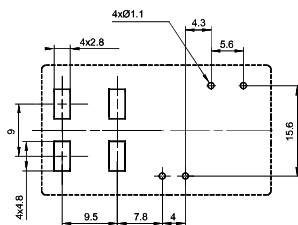
Electrical Endurance min.

6x10³times

Ambient Temperature

-40℃~85℃

Wiring Diagram
(Bottom View)



Termination(Coil End/Load End)

PCB

Approved Standards

Cross Reference

Omron:

TE:

Panasonic:

Fujitsu:

AZ:

HongFa:HFE15

SongChuan:

Unit Weight

50g

Pages

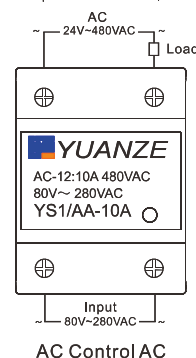
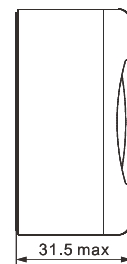
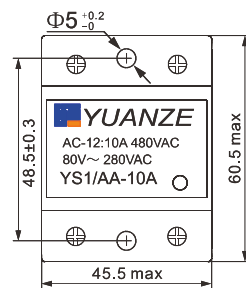
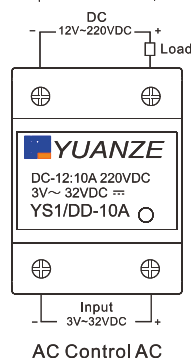
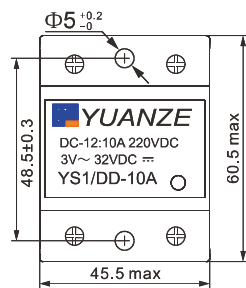
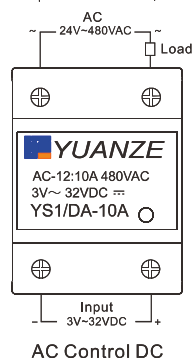
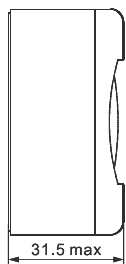
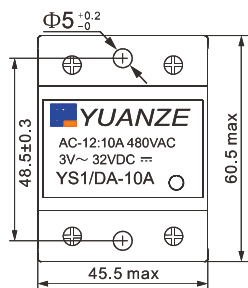
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Note: Specifications and dimensions are subject to change without any notice.

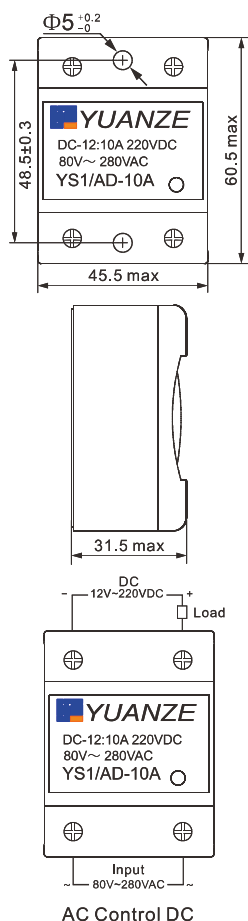
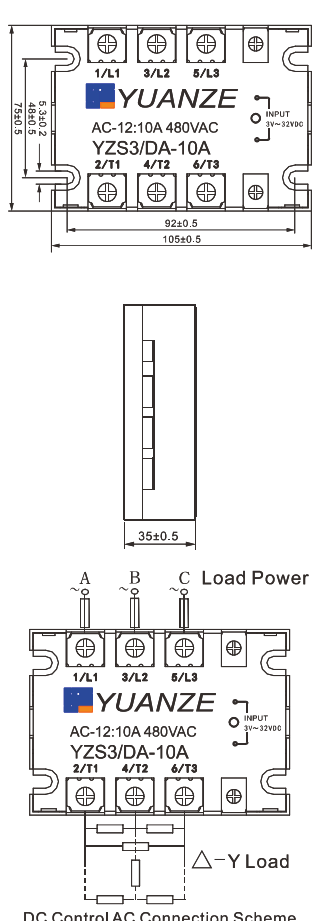
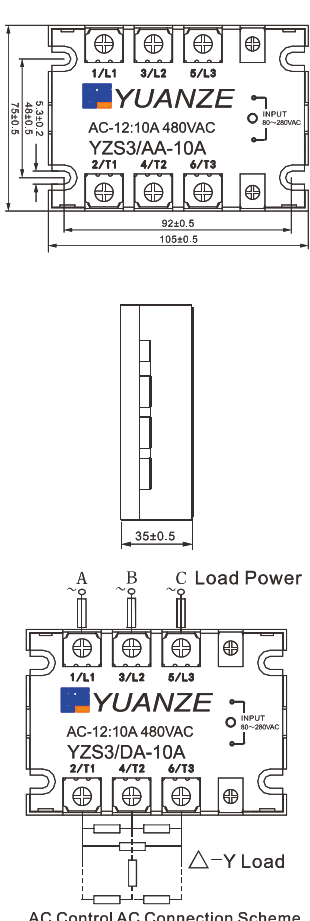


Type	YZS1/DA	YZS1/DD	YZS1/AA
Appearance			
Dimensions(L*W*H) mm	60.5x45.5x31.5	60.5x45.5x31.5	60.5x45.5x31.5
Control Voltage	3-32VDC	3-32VDC	8-280VAC
Control Current	5~30mA	5~30mA	5~20mA
Conductance Voltage Drop	≤1.6V	≤1.6V	≤1.6V
Load Voltage	480VAC/50-60Hz	220VDC	480VAC/50-60Hz
Load Current	10A,15A,20A,25A,30A, 40A,60A,80A,100A, 120A	10A,25A,40A,60A, 80A	10A,15A,20A,25A,30A, 40A,60A,80A,100A, 120A
Leakage Current	≤5mA	≤5mA	≤5mA
ON/OFF Time	10ms	10ms	10ms
Rated Impulse Withstand Voltage	2500VAC	2500VAC	2500VAC
Rated Insulation Voltage	500VDC	500VDC	500VDC
Operating Temperature	-30℃~70℃	-30℃~70℃	-30℃~70℃
Working Instructions	LED	LED	LED
Termination	Screw Fastening	Screw Fastening	Screw Fastening
Pollution Level	3	3	3
Unit Weight	10A-40A/100g 60A-120A/130g	10A-40A/100g 60A-120A/130g	10A-40A/100g 60A-120A/130g

Appearance&Hole Size



Note: Specifications and dimensions are subject to change without any notice.

Type	YZS1/AD	YZS3/DA	YZS3/AA
Appearance			
Dimensions(L*W*H) mm	60.5x45.5x31.5	105.0x75.0x35.0	105.0x75.0x35.0
Control Voltage	8-280VAC	3-32VDC	8-280VAC
Control Current	5~20mA	15~20mA	5~20mA
Conductance Voltage Drop	≤1.6V	≤2V	≤2V
Load Voltage	220VDC	24~480VAC	24~480VAC
Load Current	10A,25A,40A,60A,80A	10A,15A,20A,25A,30A,40A,60A,80A,100A,120A,150A,200A	10A,15A,20A,25A,30A,40A,60A,80A,100A,120A,150A,200A
Leakage Current	≤5mA	≤10mA	≤10mA
ON/OFF Time	10ms	10ms	10ms
Rated Impulse Withstand Voltage	2500VAC	2500VAC	2500VAC
Rated Insulation Voltage	500VDC	500VDC	500VDC
Operating Temperature	-30℃~70℃	-30℃~70℃	-30℃~70℃
Working Instructions	LED	LED	LED
Termination	Screw Fastening	Screw Fastening	Screw Fastening
Pollution Level	3	3	3
Unit Weight	10A-40A/100g 60A-120A/130g	10A-40A/350g 60A-120A/450g	10A-40A/350g 60A-120A/450g
Appearance&Hole Size	 YZS1/AD-10A DC-12:10A 220VDC 80V~280VAC AC Control DC	 YZS3/DA-10A AC-12:10A 480VAC 24~480VAC DC Control AC Connection Scheme	 YZS3/AA-10A AC-12:10A 480VAC 24~480VAC AC Control AC Connection Scheme

Note: Specifications and dimensions are subject to change without any notice.