

Distributed by:

JAMECO[®]
ELECTRONICS

www.Jameco.com ♦ 1-800-831-4242

The content and copyrights of the attached
material are the property of its owner.

Jameco Part Number 175557

COMPANY PROFILE



Established in 1984, Rayex Electronics Company Limited manufactures relays for commercial and industrial utilization. Whether the application is automotive, telecommunication, computer peripheral, home appliance, electric, security, industrial or electronic, Rayex offers a broad spectrum of relays and solutions to satisfy the fast growing demands of a wide range of markets.

Headquartered in Taipei, Taiwan, Rayex possesses worldwide manufacturing capability with its new factory in Mainland China. Through integration of innovative research and development and state-of-the-art production technology, Rayex is able to provide its customers with products of proven quality and reliability with recognized certifications and international standards such as ISO 9002, UL, CUL, TUV and CE.

A professional staff of experienced engineers and sales personnel is available at customer's disposal. Committed to facilitate customer demands, Rayex will custom-tailor its technical support and service along with optimizing the economic-specific solution.



Rayex strives to continuously improve and enhance its processes and services to meet customer desires. At present, Rayex products are sold internationally through a network of direct salespeople, manufacturer's representatives and distributors.

For more information on Rayex products and services, visit our website or send an email.

RAYEX ELECTRONICS CO., LTD.

RELAY SELECTOR GUIDE	1~13
RELAY SOCKET	14~18

MINIATURE RELAY

LU	19~20
LUZ	19~20
LU-H	21~22
LC	23~24
LJ	25~26
LEG	27~28
LE-T	29~30
LE-TW	29~30
LT	31~32
RS	33~34
RY	—
RSY	35~36

GENERAL-PURPOSE RELAY

RB	37~38
LM1	39~40
LM2	39~40
LM1H	39~40
LN1	41~42
LN2	41~42
LM1-L	39~40
LM2-L	39~40
LM1H-L	39~40
RA	43~44
L90	45~46
L90-W	45~46
L901	47~48
L902	49~50
L903	51~52

AUTOMOTIVE RELAY

AM1	53~54
AM2	55~56
AM3	57~58
LQ	59~60
LA	61~62
LA-W	61~62
LD-F	63~64
LD-P	63~64
LD-B	63~64
LEG-F	65~66
LE-FW	29~30
LR	67~68
LR-W	67~68

POWER RELAY

LB1	69~72
LB2	69~72
LB2H	69~72
LB4H	69~72
LB2-F	69~72
LY3	73~74
LY4	73~74
JQX	75~76
MK	77~78

REED RELAY

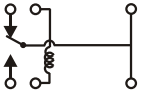
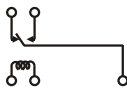
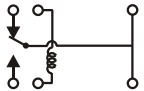
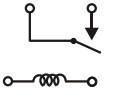
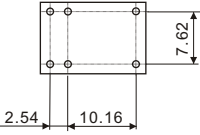
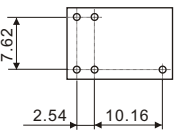
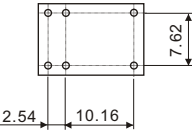
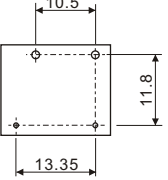
R1-00	79~80
R1-50	79~80
R2	81~82
R3	81~82

SOLID STATE RELAY

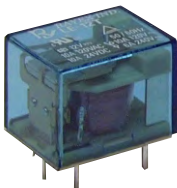
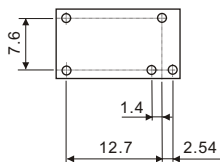
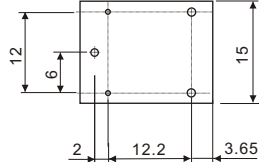
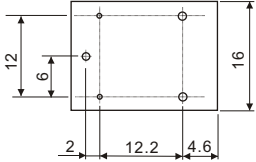
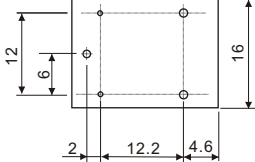
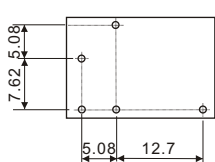
RSR1	83
RSR2	84

CONTACT PROTECTIVE CIRCUIT	85
STANDARD PACKAGING LIST	86

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION		MINIATURE RELAY			
RELAY TYPE		LU	LUZ	LU-H	LC
SIZE (LxWxH)mm (Excluding Terminal)		15.5 x 10.5 x 11.5	15.5 x 10.5 x 11.5	15.5 x 10.5 x 11.5	18.5 x 15.3 x 10.4
Connection Diagram					
Dimensions					
Contact Arrangement		1PDT	1PDT	1PDT	1PST-NO
Contact Rating (Resistive Load)		AC 120V 1A DC 24V 2A	AC 120V 1A DC 24V 2A	AC 120V 5A DC 30V 5A	AC 125V 12A AC 250V 10A DC 30V 10A
Coil Voltage	DC	3V~24V	3V~24V	3V~24V	3V~24V
	AC				
Coil Power (Nominal)	DC	0.2W	0.2W	0.36W	0.45W
	AC				
Break-Down Voltage	Between Contacts	AC 500 V	AC 500 V	AC 500 V	AC 500 V
	Between All Elements	AC 500 V	AC 500 V	AC 500 V	AC 2,500 V
Insulation Resistance		DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
Life (min. O- peration)	Mechanical	10 ⁷	10 ⁷	10 ⁷	10 ⁷
	Electrical (At Rated Load)	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Terminal Shape					
Approximate Weight		3g	3g	3g	6g
Safety Standard Approval		UL,CUL	UL,CUL		
Page		19~20	19~20	21~22	23~24



MINIATURE RELAY				
LJ	LEG	LE-T	LE-TW	LT
				
18.2 x 10.2 x 14.5	19.5 x 15.8 x 15	21.5 x 16 x 16.5	21.5 x 16 x 17	21.8 x 16.8 x 14.2
				
				
1PST 1PDT	1PDT	1PST 1PDT	1PST 1PDT	1PDT
AC 125V 12A DC 30V 10A AC 277V 10A	AC 120V 10A DC 24V 10A AC 240V 10A	AC 120V 10A DC 24V 10A AC 240V 6A	AC 120V 10A DC 24V 10A AC 240V 6A	AC 120V 10A DC 24V 10A AC 240V 6A
3V~48V	3V~48V	3V~48V	3V~48V	3V~48V
0.2W~0.45W	0.36W	0.36W	0.36W	0.36W~0.45W
AC 750 V	AC 750 V	AC 750 V	AC 750 V	AC 750 V
AC 4,000 V	AC 1,500 V	AC 1,500 V	AC 1,500 V	AC 1,500 V
DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
10^7	10^7	10^7	10^7	10^7
10^5	10^5	10^5	10^5	10^5
				
9g	9g	12g	12g	10g
UL,CUL	TUV,UL,CUL	TUV,UL,CUL	TUV,UL,CUL	TUV,UL,CUL
25~26	27~28	29~30	29~30	31~32

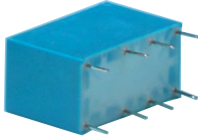
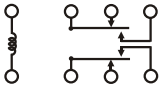
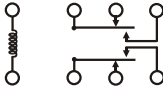
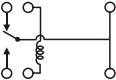
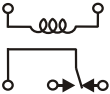
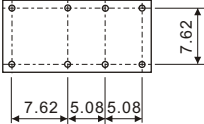
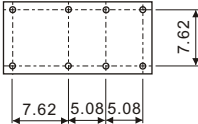
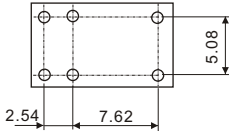
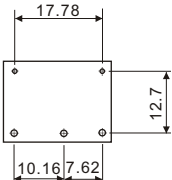


:Solder Lug/Quick Connect

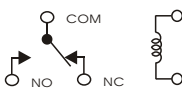
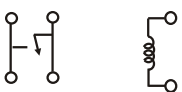
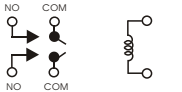
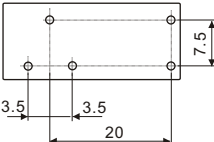
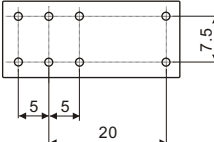
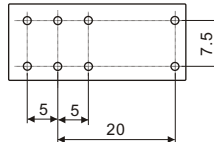
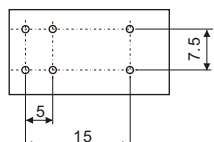
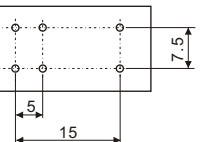


:Top-Mounting

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION		GENERAL PURPOSE RELAY			
RELAYTYPE		RS	RY	RSY	RB
					
SIZE (LxWxH)mm (Excluding Terminal)		20.2 x 9.8 x 11.5	20.2 x 9.8 x 12	12.5 x 7.5 x 9.7	16.5 x 22.2 x 11
Connection Diagram					
Dimensions					
Contact Arrangement		2PDT	2PDT	1PDT	1PST 1PDT
Contact Rating (Resistive Load)		AC 125V 1A DC 30V 2A	AC 120V 0.5A DC 24V 1.0A	AC 125V 0.5A DC 24V 1.0A	AC 125V 16A DC 30V 16A AC 250V 16A
Coil Voltage	DC	5V~48V	3V~48V	3V~24V	3V~48V
	AC				
Coil Power (Nominal)	DC	0.15W	0.15W	0.15W~0.2W	0.2W~0.6W
	AC				
Break-Down Voltage	Between Contacts	AC 500 V	AC 1,000 V	AC 400V	AC 750 V
	Between All Elements	AC 1,000 V	AC 1,500 V	AC 1,000V	AC 1,500 V
Insulation Resistance		DC 500V 1,000M	DC 500V 100M	DC 500V 1,000M	DC 500V 100M
Life (min. O- peration)	Mechanical	2x10 ⁷	10 ⁷	10 ⁶	10 ⁷
	Electrical (At Rated Load)	2x10 ⁵	10 ⁵	10 ⁵	10 ⁵
Terminal Shape					
Approximate Weight		5g	5g	2.2g	9g
Safety Standard Approval		UL,CUL	UL,CSA	UL,CUL	UL
Page		33~34	—	35~36	37~38

GENERAL PURPOSE RELAY

LM1	LM2	LM1H	LN1	LN2
				
29.4 x 12.5 x 25.5	29.4 x 12.5 x 25.5	29.4 x 12.5 x 25.5	24.5 x 13 x 25	24.5 x 13 x 25
				
				
1PST 1PDT	2PST 2PDT	1PST 1PDT	1PST-NO	2PST-NO
AC 250V 12A DC 30V 12A	AC 250V 5A DC 30V 5A	AC 250V 16A AC 125V 20A DC 30V 20A	AC 125V 20A AC 277V 16A DC 30V 16A TV-8	AC 125V 8A AC 277V 5A DC 30V 5A TV-3
3V~110V	3V~110V	3V~110V	3V~48V	3V~48V
6V~120V	6V~120V	6V~120V		
0.53W	0.53W	0.53W	0.53W	0.53W
1.2VA	1.2VA	1.2VA		
AC 1,000 V	AC 1,000 V	AC 1,000 V	AC 1,000 V	AC 1,000 V
AC 5,000 V	AC 5,000 V	AC 5,000 V	AC 4,000 V	AC 3,000 V
DC 500V 1,000M	DC 500V 1,000M	DC 500V 1,000M	DC 500V 1,000M	DC 500V 1,000M
10^7	10^7	10^7	5×10^6	5×10^6
10^5	10^5	10^5	10^5	10^5
				
17g	17g	17g	13g	13g
TUV,UL,CUL	TUV,UL,CUL	TUV,UL,CUL	UL,CUL	UL,CUL
39~40	39~40	39~40	41~42	41~42



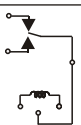
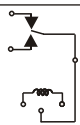
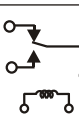
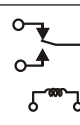
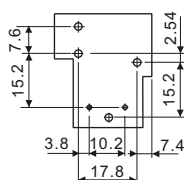
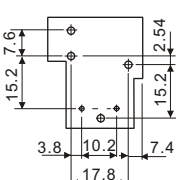
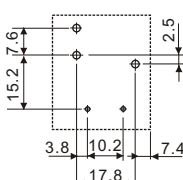
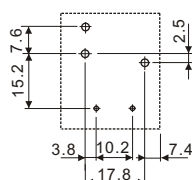
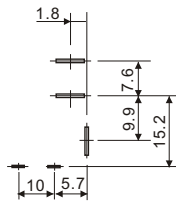
:Solder Lug/Quick Connect



:Top-Mounting

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION		GENERAL PURPOSE RELAY			
RELAY TYPE		LM1-L	LM2-L	LM1H-L	RA
SIZE (LxWxH)mm (Excluding Terminal)		29 x 12.5 x 15.5	29 x 12.5 x 15.5	29 x 12.5 x 15.5	30 x 22.2 x 17
Connection Diagram					
Dimensions					
Contact Arrangement		1PST 1PDT	2PST 2PDT	1PST 1PDT	1PST-NO
Contact Rating (Resistive Load)		AC 250V 10A DC 30V 10A	AC 250V 5A DC 30V 5A	AC 125V 20A DC 30V 16A AC 250V 16A	AC 125V 30A AC 250V 20A
Coil Voltage	DC	3V~48V	3V~48V	3V~48V	3V~60V
	AC				
Coil Power (Nominal)	DC	0.53W	0.53W	0.53W	0.9W
	AC				
Break-Down Voltage	Between Contacts	AC 1,000 V	AC 1,000 V	AC 1,000 V	AC 1,000 V
	Between All Elements	AC 5,000 V	AC 5,000 V	AC 5,000 V	AC4,000 V
Insulation Resistance		DC 500V 1,000M	DC 500V 1,000M	DC 500V 1,000M	DC 500V 100M
Life (min. O- peration)	Mechanical	10 ⁷	10 ⁷	10 ⁷	10 ⁷
	Electrical (At Rated Load)	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Terminal Shape					
Approximate Weight		12g	12g	12g	23g
Safety Standard Approval		UL,CUL	UL,CUL	UL,CUL	UL,CUL
Page		39~40	39~40	39~40	43~44

GENERAL PURPOSE RELAY				
L90	L90-W	L901	L902	L903
				
27.5 x 24 x 15	31.8 x 27.4 x 19.7	32 x 27.4 x 27.5	32 x 27.4 x 19.4	50 x 27.4 x 27.7
				
				
1PST 1PDT	1PST 1PDT	1PST 1PDT	1PST 1PDT	1PST 1PDT
1A: AC 240V 30A AC 277V 20A DC 30V 20A 1C: AC 277V 20A DC 30V 20A	1A: AC 240V 30A AC 277V 20A DC 30V 20A 1C: AC 277V 20A DC 30V 20A	1A: AC 250V 30A AC 277V 20A DC 30V 20A 1C: AC 277V 20A DC 30V 20A	1A: AC 250V 30A AC 277V 20A DC 30V 20A 1C: AC 277V 20A DC 30V 20A	1A: AC 240V 30A AC 277V 20A DC 30V 20A 1C: AC 277V 20A DC 30V 20A
5V~48V	5V~48V	5V~48V	5V~48V	5V~48V
6V~220V	6V~220V	6V~220V	6V~220V	6V~220V
0.9W	0.9W	0.9W	0.9W	0.9W
1.2VA	1.2VA	1.2VA	1.2VA	1.2VA
AC 1,500 V	AC 1,500 V	AC 1,500 V	AC 1,500 V	AC 1,500 V
AC 2,500 V	AC 2,500 V	AC 2,500 V	AC 2,500 V	AC 2,500 V
DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
10 ⁷	10 ⁷	10 ⁷	10 ⁷	10 ⁷
10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
				
23g	25g	30g	28g	34g
TUV,UL,CUL	TUV,UL,CUL	TUV,UL,CUL	TUV,UL,CUL	TUV,UL,CUL
45~46	45~46	47~48	49~50	51~52

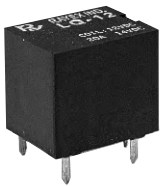
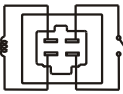
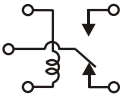
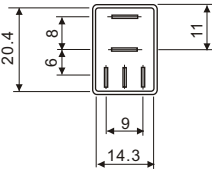
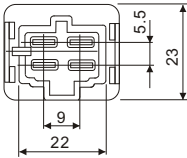
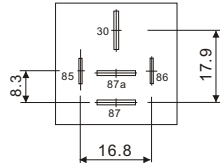
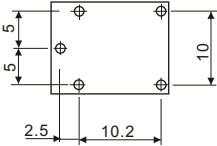


:Solder Lug/Quick Connect

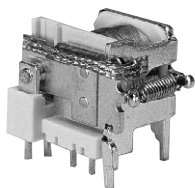
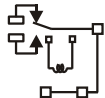
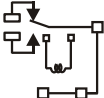
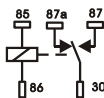
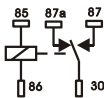
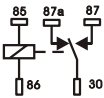
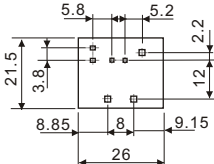
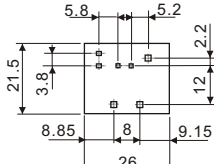
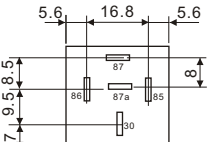
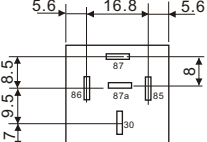
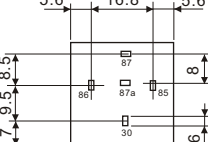


:Top-Mounting

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION		AUTOMOTIVE RELAY			
RELAY TYPE		AM1	AM2	AM3	LQ
					
SIZE (LxWxH)mm (Excluding Terminal)		22 x 15.8 x 24.1	28 x 23 x 30	30 x 30 x 25	16 x 12.5 x 14
Connection Diagram					
Dimensions					
Contact Arrangement		1PST 1PDT	1PST	1PST 1PDT	1PDT
Contact Rating (Resistive Load)		DC 14V 20A	DC 14V 30A	DC 12V 80A	DC 14V 20A
Coil Voltage	DC	6V~24V	12V~24V	12V~24V	6V~24V
	AC				
Coil Power (Nominal)	DC	1.2W~1.5W	1.8W	1.8W	0.6W~0.8W
	AC				
Break-Down Voltage	Between Contacts	AC 500 V	AC 500 V	AC 500 V	AC 500 V
	Between All Elements	AC1,000 V	AC 750 V	AC 500 V	AC 1,000 V
Insulation Resistance		DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
Life (min. O- peration)	Mechanical	10 ⁷	10 ⁷	10 ⁷	10 ⁷
	Electrical (At Rated Load)	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Terminal Shape					
Approximate Weight		15g	35g	40g	6g
Safety Standard Approval					
Page		53~54	55~56	57~58	59~60

AUTOMOTIVE RELAY

LA	LA-W	LD-F	LD-P	LD-B
				
23 x 18.5 x 17	26 x 21.5 x 20	28 x 28 x 25	28 x 28 x 25	28 x 28 x 25
				
				
1PST 1PDT	1PST 1PDT	1PST 1PDT 1PST-DM	1PST 1PDT 1PST-DM	1PST 1PDT
DC 14V 40A	DC 14V 40A	DC 12V 40A	DC 12V 40A	DC 12V 40A
6V~24V	6V~24V	12V~24V	12V~24V	12V~24V
1.2W~1.6W	1.2W~1.6W	1.8W	1.8W	1.8W
AC 500 V	AC 500 V	AC 500 V	AC 500 V	AC 500 V
AC 1,000 V	AC 1,000 V	AC 1,000 V	AC 1,000 V	AC 1,000 V
DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
10^7	10^7	10^7	10^7	10^7
10^5	10^5	10^5	10^5	10^5
				
16g	17g	38g	38g	32g
61~62	61~62	63~64	63~64	63~64



:Solder Lug/Quick Connect

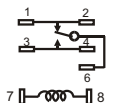
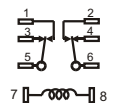
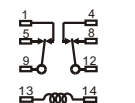
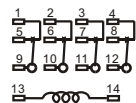
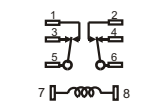
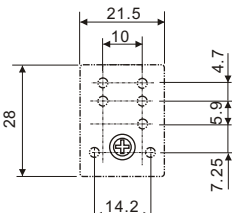
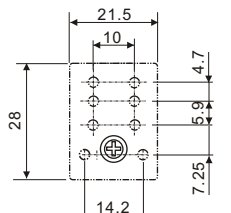
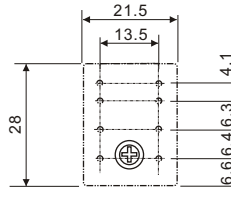
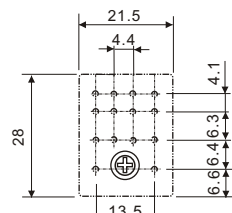
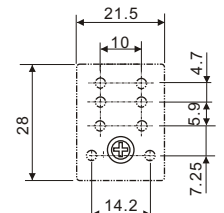


:Top-Mounting

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION		AUTOMOTIVE RELAY			
RELAY TYPE		LEG-F	LE-FW	LR	LR-W
SIZE (LxWxH)mm (Excluding Terminal)		19.5 x 15.8 x 15	21.5 x 16 x 17	14.5 x 13 x 17.2	17.5 x 14.7 x 19.5
Connection Diagram					
Dimensions					
Contact Arrangement		1PDT	1PDT	1PST 1PDT 1PST-DM	1PST 1PDT 1PST-DM
Contact Rating (Resistive Load)		AC 120V 15A DC 24V 15A	DC 24V 15A	DC 14V 15A DC 14V 2 x10A	DC 14V 15A DC 14V 2 x10A
Coil Voltage	DC	3V~48V	3V~48V	6V~24V	6V~24V
	AC				
Coil Power (Nominal)	DC	0.36W	0.36W~0.63W	1.1W	1.1W
	AC				
Break-Down Voltage	Between Contacts	AC 750 V	AC 750 V	AC 750 V	AC 750 V
	Between All Elements	AC 1,000 V	AC 1,500 V	AC 500 V	AC 500 V
Insulation Resistance		DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
Life (min. O- peration)	Mechanical	10 ⁷	10 ⁷	10 ⁷	10 ⁷
	Electrical (At Rated Load)	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Terminal Shape					
Approximate Weight		9g	12g	10g	12g
Safety Standard Approval		UL,CUL,TUV	TUV		
Page		65~66	29~30	67~68	67~68



POWER RELAY				
LB1	LB2	LB2H	LB4H	LB2-F
				
28 x 21.5 x 35	28 x 21.5 x 35	28 x 21.5 x 34.5	28 x 21.5 x 34.5	28 x 21.5 x 35
				
				
1PDT	2PDT	2PDT	4PDT	2PDT
AC 240V 15A DC 30V 15A	AC 240V 12A DC 30V 12A	AC 240V 10A DC 30V 10A	AC 240V 5A DC 30V 5A	AC 240V 12A DC 30V 12A
6V~110V	6V~110V	6V~110V	6V~110V	6V~110V
12V~240V	12V~240V	12V~240V	12V~240V	12V~240V
0.9W~1.1W	0.9W~1.1W	0.9W~1.1W	0.9W~1.1W	0.9W~1.1W
1.2VA	1.2VA	1.2VA	1.2VA	1.2VA
AC 750 V	AC 750 V	AC 750 V	AC 750 V	AC 750 V
AC 1,500 V	AC 1,500 V	AC 1,500 V	AC 1,500 V	AC 1,500 V
DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
AC 10 ⁷ DC 10 ⁸	AC 10 ⁷ DC 10 ⁸	AC 10 ⁷ DC 10 ⁸	AC 10 ⁷ DC 10 ⁸	AC 10 ⁷ DC 10 ⁸
10 ⁵	10 ⁵	10 ⁵	10 ⁵	10 ⁵
  	  	  	  	  
33g	37g	32g	34g	37g
CE, TUV, UL,CUL	CE, TUV, UL,CUL	CE, TUV, UL,CUL	CE, TUV, UL,CUL	CE, TUV, UL,CUL
69~72	69~72	69~72	69~72	69~72

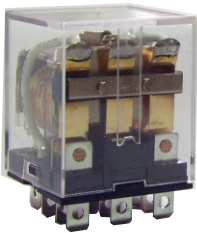
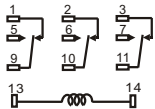
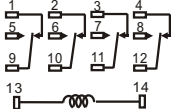
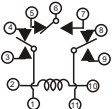
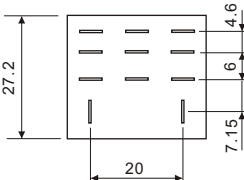
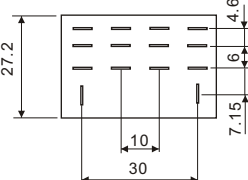
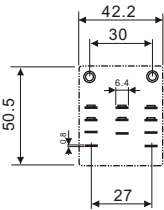
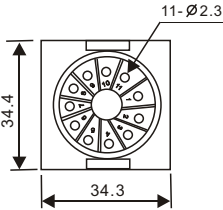


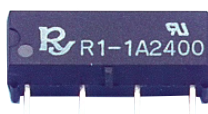
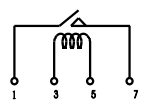
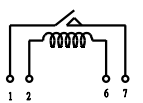
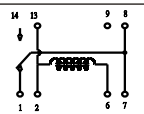
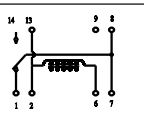
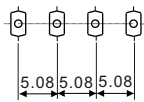
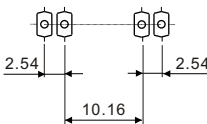
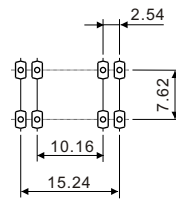
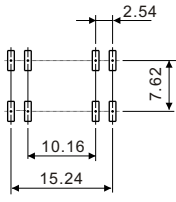
:Solder Lug/Quick Connect



:Top-Mounting

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION		POWER RELAY			
RELAY TYPE		LY3	LY4	JQX	MK
					
SIZE (LxWxH)mm (Excluding Terminal)		27.5 x 31 x 35.5	27.5 x 41 x 35.5	50.5 x 42.2 x 55.3	33.6 x 33.6 x 52.8
Connection Diagram					
Dimensions					
Contact Arrangement		3PDT	4PDT	2PDT 3PDT	2PDT 3PDT
Contact Rating (Resistive Load)		AC 250V 10A DC 28V 10A	AC 250V 10A DC 28V 10A	AC 250V 40A DC 30V 40A	AC 250V 10A DC 30V 10A
Coil Voltage	DC	6V~110V	6V~110V	6V~110V	6V~110V
	AC	6V~240V	6V~240V	6V~380V	6V~380V
Coil Power (Nominal)	DC	1.4W	1.5W	2W~2.5W	1.6W
	AC	2.0VA	2.5VA	4.5VA	2.8VA
Break-Down Voltage	Between Contacts	AC 1,000 V	AC 1,000 V	AC 1,500 V	AC 1,500 V
	Between All Elements	AC 1,500 V	AC 1,500 V	AC 2,500 V	AC 1,500 V
Insulation Resistance		DC 500V 100M	DC 500V 100M	DC 500V 100M	DC 500V 100M
Life (min. O- peration)	Mechanical	AC 10 ⁷ DC 10 ⁸	AC 10 ⁷ DC 10 ⁸	10 ⁷	10 ⁷
	Electrical (At Rated Load)	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Terminal Shape					
Approximate Weight		50g	70g	130g	80g
Safety Standard Approval					
Page		73~74	73~74	75~76	77~78

CLASSIFICATION		REED RELAY			
		R1-00	R1-50	R2	R3
RELAY TYPE					
SIZE (LxWxH)mm (Excluding Terminal)		19.0 x 7.0 x 5.0	19.0 x 7.0 x 5.0	19.9 x 7.62 x 5.5	19.9 x 7.62 x 5.5
Connection Diagram					
Dimensions					
Contact Arrangement		1PST-NO	1PST-NO	1PST 1PDT 2PST	1PST 1PDT 2PST
Contact Rating (Resistive Load)		Switch current 0.5A Carry current 1.0A	Switch current 0.5A Carry current 1.0A	Switch current 0.5A Carry current 1.0A	Switch current 0.5A Carry current 1.0A
		PIN OUT 1357	PIN OUT 1267	DIP TYPE	SMD TYPE
Coil Voltage	DC	5V~24V	5V~24V	5V~24V	5V~24V
	AC				
Coil Power (Nominal)	DC	50~268mW	50~268mW	50~268mW	50~268mW
	AC				
Break-Down Voltage	Between Contacts	DC 250 V	DC 250 V	DC 250 V	DC 250 V
	Between All Elements	DC 1,400 V	DC 1,400 V	DC 1,400 V	DC 1,400 V
Insulation Resistance		DC 100V 1,000M	DC 100V 1,000M	DC 100V 1,000M	DC 100V 1,000M
Life (min. O- peration)	Mechanical	10 ⁸	10 ⁸	10 ⁸	10 ⁸
	Electrical (At Rated Load)	10 ⁷	10 ⁷	10 ⁷	10 ⁷
Terminal Shape					
Approximate Weight		1.4g	1.4g	1.5g	1.5g
Safety Standard Approval		UL	UL	UL	UL
Page		79~80	79~80	81~82	81~82

Note: Meaning of Symbol Marks

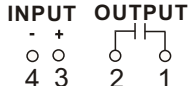


:P.C. Board Terminal

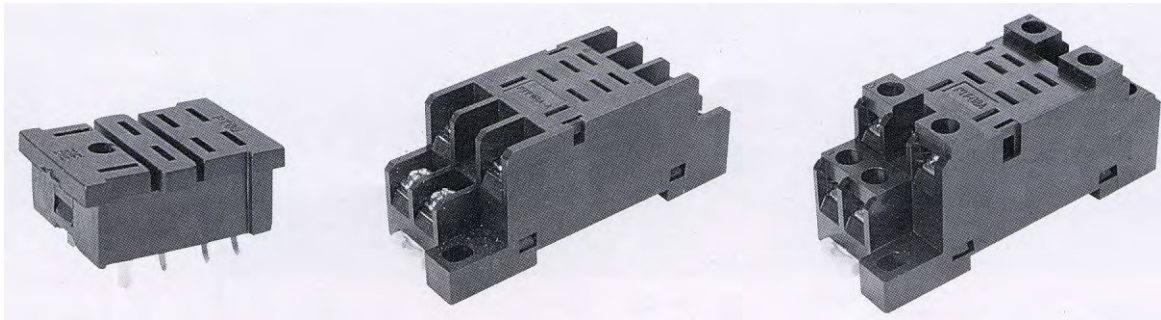


:Solder Lug/Plug-In

RAYEX RELAY SELECTOR GUIDE

CLASSIFICATION	SOLID STATE RELAY										
SOLID STATE RELAY TYPE (With LED)	RSR1					RSR2					
	 					 					
Connection Diagram											
Outline (Excluding Terminal) L × W × H (mm)	57 × 43 × 27.1					43.2 × 10.2 × 25.4					
INPUT CIRCUIT	DC 4 - 32 V					AC 50-280 V					4 - 32 VDC
Control Voltage Range											
Control Current	15mA Max.		120mA Max.			15mA Max.		15mA Max .			
Min. Turn-off Voltage	1.5 VDC					40 VAC		1.5 VDC			
Input Impedance	2.0KΩ Min.		270Ω Min.			106KΩ Min.		2.0KΩ Min.			
OUTPUT CIRCUIT											
Max. Load Current (rms)	10A	25A	40A	15A	25A	40A	10A	25A	40A	3A	
Nominal Load Voltage (VAC)	120 / 240			440			120 / 240			120 / 240	
Load Voltage Range (VAC)	24-140/24-280			48 - 480			24-140/24-280			24 - 140 / 24 - 280	
Non-Repetitive Max. Peak Voltage (VAC)	400 / 600			800			400 / 600			400 / 600	
Non-Repetitive Max. Peak Current	125A	260A	315A	200A	250A	400A	125A	260A	315A	80A	
Max. Off-state Leakage Current	1mA	7mA		2mA	1mA		1mA	7mA		5mA	
Max. Off-state Voltage Drop(V)	1.6		1.8	1.6		1.8	1.6		1.8	1.5V	
Min. Load Current(mA)	50		100	70		120	50		100	50mA	
Max. Off-state Slew Rate(dv/dt)	250V/μs			700V/μs		900	250V/μs			100V/μs	
Operating Frequency Range	47 Hz ~ 63 Hz					47 Hz ~ 63 Hz					
GENERAL CHARACTERISTICS	Zero-on					Zero-on					
Zero-on											
Max. Turn-on Time (60Hz)	8.3 ms					10ms		8.3 ms			
Max. Turn-off Time (60Hz)	8.3 ms					20ms		8.3 ms			
Insulation Resistance	DC 500V 1,000 MΩ Min.(Between Input & Output, Input/Output & Case)					DC 500V 100MΩ Min. (Between Input & Output, Input/Output & Case)					
Dielectric Strength	3.5K VAC(Between Input & Output)					2.5K VAC (Between Input & Output)					
Capacitance (Input to Output)	15pF Max.(Between Input & Output)					10pF Max. (Between Input & Output)					
Operation/Storage Temperature	-20℃~+ 80℃/-40℃~+ 100℃					-20℃~+ 85℃/-40℃~+ 100℃					
Heatsink	3.5℃/W (Max. Load current)					1.5℃/W (Max. Load current)					
Page	83					84					

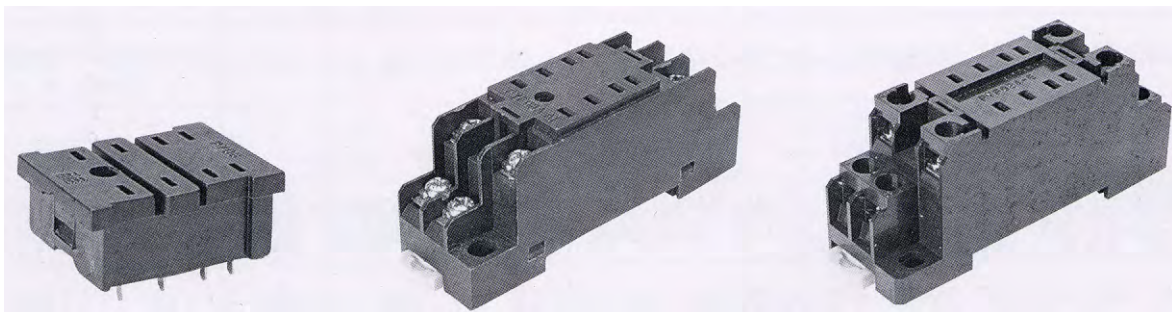
RELAY SOCKET:



PT-080

PTF-08A-A

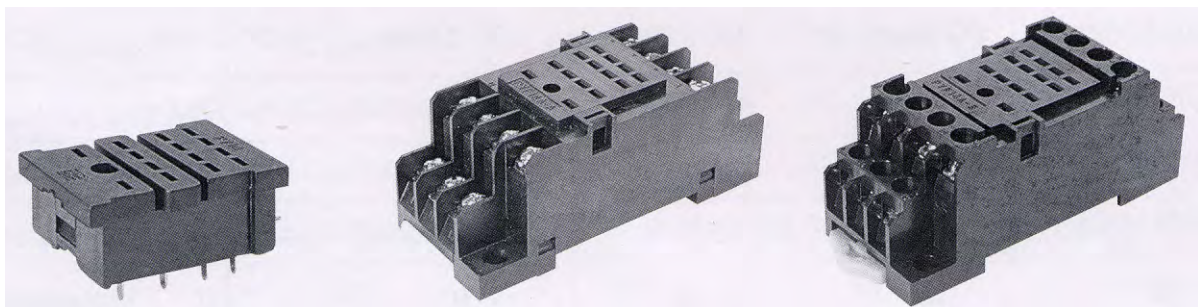
PTF-08A-E



PY-080

PYF-08A-A

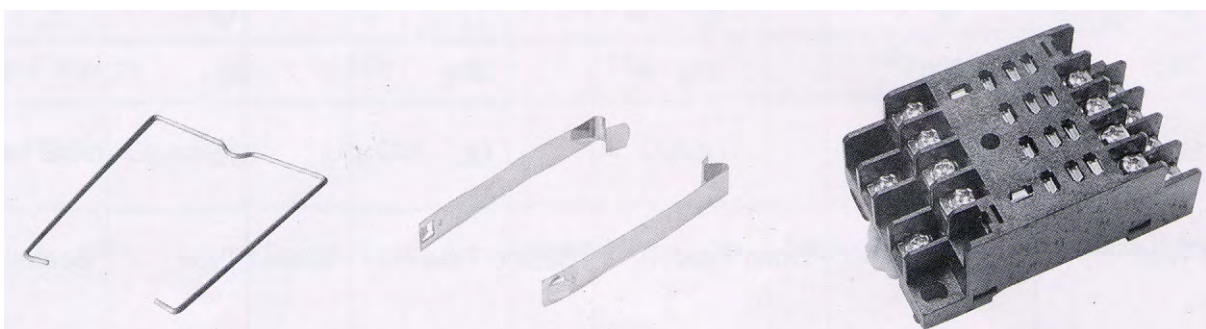
PYF-08A-E



PY-140

PYF-14A-A

PYF-14A-E

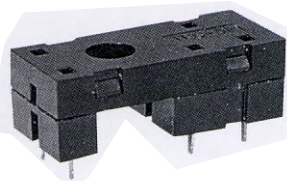


PYC-P

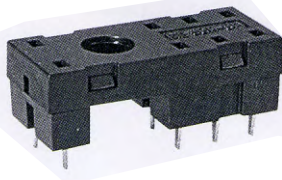
PYC-A1

PTF-14A

RELAY SOCKET:



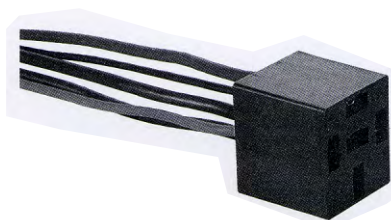
RS-M01



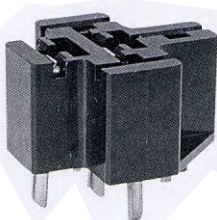
RS-M02



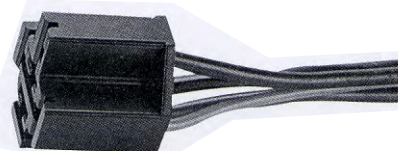
PYC-M



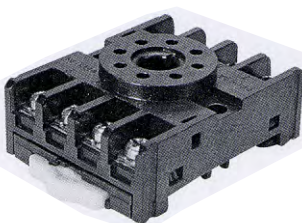
RS-D01



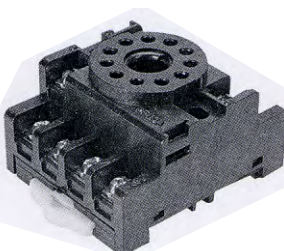
RS-D02



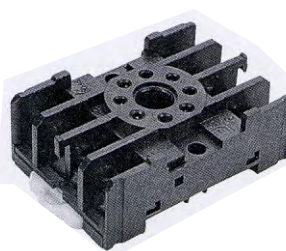
RS-D03



PF-083A



PF-113A



PF-085A

RELAY & SOCKET COMPARISON LIST

Socket Relay Type	Suitable for Socket	Clip	Page No.	Socket Relay Type	Suitable for Socket	Clip	Page No.
LB1 LB2	PT-080	PYC-P		LM1	RS-M01	PYC-M	
	PTF-08A-A,FTF-08A-E	PYC-A1					
LB2H	PY-080	PYC-P		LM2 LM1H	RS-M02	PYC-M	
	PYF-08A-A,PYF-08A-E	PYC-A1					
LB4H	PY-140	PYC-P		LD	RS-D01 RS-D02 RS-D03	—————	
	PYF-14A-A,PYF-14A-E	PYC-A1					