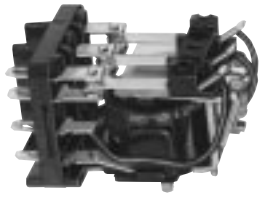


KU series

KUP Enclosed Relay
KUIP VDE 8mm Coil to Contacts
KUGP VDE 8mm 3mm Gap Coil to Contacts
KUEP 10 Amp 150VDC Load Switching
KUMP 15 Amp 277VAC

File E22575
File LR15734
0435 Registration 1792 (KUIP)
0435 Registration 1792 (KUGP)
License 81.12102.01

Features

- AC coils: 6-240VAC, 50/60 Hz. DC: 6-110VDC.
- Contact arrangement up to 4PDT.
- Wide selection of termination and mounting styles.
- PC terminals available.
- Push to test button and indicator lamps.
- KUEP incorporates a blow out magnet for high voltage DC switching.
- KUIP/KUGP are VDE approved.
- Complete line of sockets and DIN rail.
- Class B coil insulation.

Contact Data @ 25°C

Arrangements: See respective ordering information table.
Materials: Fine silver (5 amp) silver-cadmium oxide (10 amp).
Gold flash available as standard.
Gold diffused and gold alloy on special order.
Expected Mechanical Life:

Contact Ratings

Material	Arrangement	UL/CSA Ratings	Expected Life
Fine Silver	All	5 amps @ 28VDC or 240VAC 80% PF, 2.5 amp tungsten @120VAC, 1/2 amp @ 120VDC.	100,000
		1/6 HP @120VAC, 1/3 HP @ 240VAC, 5 FLA, 15 LRA @ 250VAC (FLA covered by 30,000 operations).	
Silver-Cadmium Oxide	1-2 Pole KUP KUIP KUGP	10 amps @ 28VDC or 240VAC, 80% PF, 5 amp tungsten @ 120VAC, 3A 600VAC, 1/2 amp @ 120VDC.	100,000
	KUEP All KUMP	1/3 HP @ 120VAC, 1/2 HP @ 240, 480, and 600VAC, 10 FLA 30 LRA @ 120VAC, 5 FLA, 15 LRA @ 250VAC.(FLA ratings covered by 30,000 operations)	
	KUMP	15 amp @ 277VAC, 80% PF KUM KUMP	100,000
	3 Pole KUP KUIP	10 amp @ 28VDC or 120VAC, 80% PF, 6 2/3 amp @ 240VAC, 80% PF	100,000
	4 Pole	10 amp per pole not to exceed 30 amp total @ 28VDC, 120VAC, 80% PF, 6 2/3 amp @ 240VAC, 80% PF	100,000
	KUEP SPST-NO	10 amp @ 150VDC	
	KUEP 2PST-NO	5 amp @ 150VDC	
	KUEP 2PDT	3 amp @ 150VDC	100,000

(All other AC ratings apply KUEP.)

Initial Dielectric Strength

Between Open Contacts: 1,200V rms; KUGP, 3,500V rms.
Between Adjacent Contacts: 2,200V rms.
Between Contacts and Coil: 2,200V rms; KUGP, KUIP, 3,750V rms.

Coil Data @ 25°C

Voltage: 6 to 110VDC and 6 to 240VAC.
Nominal Coil Power:
DC Coils: 1.2 Watts - KUP, KUIP, KUMP, 1 - 3 pole; KUEP, 1 pole.
DC Coils: 1.8 Watts - KUP, 4 pole; KUEP, 2 pole; KUGP.
AC Coils: 2.0VA - KUP, KUIP, 1 - 2 pole; KUEP, 1 pole.
AC Coils: 2.7VA - KUP, KUIP, 3 pole; KUEP, 2 pole; KUGP, KUMP.

Coil Data

DC Volts	1.2 Watt		1.8 Watt	
Nominal	DC Ohms ± 10%	Nom. I ma	DC Ohms ± 10%	Nom. I ma
5	21	238	14	360
6	32.1	187	20	300
12	120	100	80	150
24	472	51	320	75
48	1,800	26.7	1,260	38
110	10,000	11	6,720	16
AC Volts	**2VA**		**2.7VA**	
Nominal	**DC Ohms ± 15%**	**Nom. I ma**	**DC Ohms ± 15%**	**Nom. I ma**
6	6	335	4.2	460
12	24	168	18	230
24	85	84	72	115
120	2,250	17.5	1,700	24
240	9,110	8.75	7,200	12

Operate Data @ 25°C

Must Operate Voltage:
DC Coils: 75% of nominal voltage or less.
AC Coils: 85% of nominal voltage or less.
Operating Time (Excluding Bounce):
15 milliseconds, typical, at nominal voltage.
Release Time (Excluding Bounce):
10 milliseconds, typical, at nominal voltage.

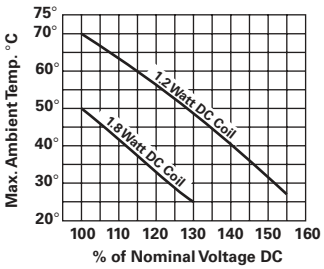
Environmental Data

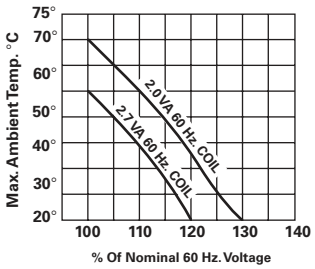
Temperature Range:
Operating: **Enclosed Relays:** -45°C to maximum listed in table below.
Open Relays: Add 15°C to maximum listed.

Max C°	+45°C	+50°C	+55°C	+70°C	+75°C	+80°C	+95°C
KUP	AC 3-4 pole	DC 4 pole	AC 1-2 pole	DC 1-3 pole			
KUIP				AC 3 pole		AC 1-2 pole	DC 1-3 pole
KUGP				AC 2 pole	DC 2 pole		
KUEP	AC 2 pole	DC 2 pole	AC 1 pole	DC 1 pole			
KUMP	AC 3 pole		AC 1-2 pole	DC 1-3 pole			

Environmental Data (Continued)

Maximum Allowable Ambient Temperature vs. Voltage (KU enclosed)





Mechanical Data

Termination: Quick connect, solder and PC board.
Enclosure: Clear polycarbonate dust cover.
Weight: 3.0 oz. (85g) approximately.

Ordering Information

Typical Part No. ▶	KU KUP	-14	A	1	5	F	-120

1. Basic Series & Type:
KU = Basic open relay.
KUP = Basic enclosed relay.

2. Contact Arrangement:

1 = 1A (SPST-NO)	6 = 1Z (SPDT-NC-NO [DB-DM])	13 = 3B (3PST-NC)
2 = 1B (SPST-NC)	7 = 2A (DPST-NO)	14 = 3C (3PDT)
3 = 1X (SPST-NO-DM)	8 = 2B (DPST-NC)	15 = 4A (4PST-NO)
4 = 1Y (SPST-NC-DB)	11 = 2C (DPDT)	16 = 4B (4PST-NC)
5 = 1C (SPDT)	12 = 3A (3PST-NO)	17 = 4C (4PDT)

3. Coil Input:
A = AC 50/60 Hz. DS = Diode Suppression (DC coil only)
D = DC

4. Mountings:

Type	KU	KUP (through 3 poles)	KUP (4 pole models)
Codes Available	1,2,3,4,5	1,2,3,4,5,6,7,8,9 A,B,C,D,E,F,G,H,T	1,3,5,7,9,A,C,E,G
OPEN STYLE 1 = #6-32 stud, .218" (5.54mm) locating tab. 2 = 2-hole bracket, #6-32 tapped. 3 = #6-32 tapped core, .125" (3.18mm) locating tab. 4 = #6-32 tapped core, .218" (5.54mm) locating tab. 5 = #6-32 tapped core, no locating tab.		1 = PLAIN CASE; 2 = with test button. 3 = with indicator lamp.* 4 = with test button & indicator lamp.* 5 = BRACKET MOUNT CASE; 6 = with test button. 7 = with indicator lamp.* 8 = with test button & indicator lamp.* 9 = STUD ON END OF PLAIN CASE. * Indicator lamps are available on models with the following coils: 6-24VAC and DC, 110VDC and 120-240VAC. Only models with 120-240VAC coils are UL recognized.	A = PLAIN CASE, #6-32 STUD LOCATING TAB; B = with test button. C = with indicator lamp.* D = with test button & indicator lamp.* E = PLAIN CASE, TAPPED CORE, LOCATING TAB; F = with test button. G = with indicator lamp.* H = with test button & indicator lamp.* T = TOP FLANGE CASE.

5. Terminal & Contact Material:

Type	1 & 2 Pole Models	3 Pole Models	4 Pole Models
Codes Available	1,2,3,5, 6,7,J,K	1,2,3, 5,6,7	1**,3,4, 5**,7,9

**4 pole KUP with .187" (4.75mm) quick connect/solder terminals will not plug into sockets. Must use .110" (2.79 mm) quick connect solder terminals for socket mounting.

1 = .187" (4.75mm) quick-connect/solder; silver, 5 amps.
2 = .205" (5.21mm) quick connect/solder; silver, 5 amps.
3 = .047" (1.19mm) printed circuit; silver, 5 amps.
4 = .110" (2.79mm) quick connect/solder; silver, 5 amps.
5 = .187" (4.75mm) quick connect/solder; silver-cadmium oxide, 10 amps.
6 = .205" (5.21mm) quick connect/solder; silver-cadmium oxide, 10 amps.
7 = .047" (1.19mm) printed circuit; silver-cadmium oxide, 10 amps.
9 = 4 pole KU, KUP: .110" (2.79mm) quick connect/solder; silver-cadmium oxide, 10 amps.
J = .250" (6.35mm) quick connect; silver, 5 amps.
K = .250" (6.35mm) quick connect; silver-cadmium oxide, 10 amps.

5A. Gold Flashed Contact Option:
F = Optional gold flashing for silver and silver-cadmium oxide contacts.

6. Coil Voltage:
To 240VAC, 50/60 Hz. or 110VDC. (For 277VAC, consult factory.)

Stock Items – The following items are normally maintained in stock for immediate delivery.

KUP-5A15-24	KUP-11A15-12	KUP-11D15-5	KUP-11D55-110	KUP-14A55-24	KUP-14D25-24
KUP-5A15-120	KUP-11A15-24	KUP-11D15-12	KUP-14A11-120	KUP-14A55-120	KUP-14D35-24
KUP-5A15-240	KUP-11A15-120	KUP-11D15-24	KUP-14A15-12	KUP-14A55-240	KUP-14D55-12
KUP-5A55-120	KUP-11A15-240	KUP-11D15-110	KUP-14A15-24	KUP-14D11-24	KUP-14D55-24
KUP-5D15-12	KUP-11A35-120	KUP-11D35-24	KUP-14A15-120	KUP-14D15-6	KUP-17A19-120
KUP-5D15-24	KUP-11A55-24	KUP-11D55-6	KUP-14A15-240	KUP-14D15-12	KUP-17A55-24
KUP-5D55-12	KUP-11A55-120	KUP-11D55-12	KUP-14A25-120	KUP-14D15-24	KUP-17D19-24
KUP-5D55-24	KUP-11AT5-120	KUP-11D55-24	KUP-14A35-120	KUP-14D15-48	KUP-17D55-24
KUP-11A11-120	KUP-11D11-24	KUP-11D55-48	KUP-14A45-120	KUP-14D15-110	

Ordering Information

VDE Approved Design

Typical Part No. ▶	KUIP KUGP	-11	A	1	5	-120

1. Basic Series & Type:
KUIP = Enclosed relay designed for General VDE 0435.*
KUGP = Enclosed relay with 3mm open contact spacing. (Form A and Form X arrangements only)*

2. Contact Arrangement:

1 = 1 Form A (SPST-NO)	7 = 2 Form A (DPST-NO)
2 = 1 Form B (SPST-NC)	8 = 2 Form B (DPST-NC)
3 = 1 Form X (SPST-NO-DM)	11 = 2 Form C (DPDT)*
4 = 1 Form Y (SPST-NC-DB)	12 = 3 Form A (3PST-NO)
5 = 1 Form C (SPDT)*	13 = 3 Form B (3PST-NC)
6 = 1 Form Z (SPDT-NC-NO [DB-DM])	14 = 3 Form C (3PDT)*

3. Coil Input:
A = AC, 50/60 Hz.*
D = DC*

4. Mountings:
1 = PLAIN CASE, SOCKET MOUNT.* T = TOP FLANGE CASE.*
5 = BRACKET MOUNT CASE.*

5. Terminal & Contact Material:

1 = .187" (4.75mm) quick connect/solder; silver.	5 = .187" (4.75mm) quick connect/solder; silver-cadmium oxide.*
3 = .047" (1.19mm) printed circuit board; silver.	7 = .047" (1.19mm) printed circuit board; silver-cadmium oxide.

6. Coil Voltage:
To 240VAC, 50/60 Hz. or 110VDC. (For 277VAC, consult factory.)* See coil data tables.
* Options included in VDE file.

Stock Items – The following items are normally maintained in stock for immediate delivery.

KUGP-7D55-24	KUIP-14A15-120
KUIP-5A55-120	KUIP-14D15-12
KUIP-11D55-12	KUIP-14D15-24
KUIP-11D55-24	

Ordering Information

High Voltage DC Switching

Typical Part No. ▶	KUE KUEP	-3	A	1	5	-120

1. Basic Series & Type:
KUE = Open relay with magnetic blow-outs.
KUEP = Enclosed relay with magnetic blow-outs.

2. Contact Arrangement:
3 = 1X (SPST-NO-DM) 7 = 2A (DPST-NO) 11 = 2C (DPDT)

3. Coil Input:
A = AC 50/60 Hz. D = DC

4. Mountings:

Type	KUE	KUEP	
OPEN STYLE 1 = #6-32 stud, .218" (5.54mm) locating tab. 2 = 2-hole bracket, #6-32 tapped. 3 = #6-32 tapped core, .125" (3.18mm) locating tab. 4 = #6-32 tapped core, .218" (5.54mm) locating tab. 5 = #6-32 tapped core, no locating tab.		1 = PLAIN CASE; 3 = with indicator lamp.* 5 = BRACKET MOUNT CASE; 7 = with indicator lamp.* 9 = STUD ON END OF PLAIN CASE.	A = PLAIN CASE, #6-32 STUD LOCATING TAB; C = with indicator lamp.* E = PLAIN CASE, TAPPED CORE, LOCATING TAB; G = with indicator lamp.* T = TOP FLANGE CASE.

*Indicator lamps are available on models with the following coils: 6-24VAC and DC, 110VDC and 120-240VAC. Only models with 120-240VAC coils are UL recognized.

5. Terminal & Contact Material:
5 = .187" (4.75mm) quick connect/solder; silver-cadmium-oxide. 7 = .047' (1.19mm) printed circuit; silver-cadmium-oxide.
6 = .205" (5.21mm) quick connect/solder; silver-cadmium-oxide.

6. Coil Voltage:
To 240VAC, 50/60 Hz. or 110VDC. (For 277VAC, consult factory.)

Stock Items – The following items are normally maintained in stock for immediate delivery.

KUEP-3A15-120	KUEP-3D15-110	KUEP-11D15-12
KUEP-3D15-12	KUEP-7D15-24	KUEP-11D15-24
KUEP-3D15-24	KUEP-11A15-120	

Ordering Information

15 Amp Switching

Typical Part No. ▶	KUM KUMP	-14	A	1	8	-120

1. Basic Series & Type:
KUM = 15 amp open relay
KUMP = 15 amp enclosed relay

2. Contact Arrangement:
1 = 1A (SPST-NO)
2 = 1B (SPST-NC)
3 = 1X (SPST-NO-DM)
4 = 1Y (SPST-NC-DB)
5 = 1C (SPDT)
6 = 1Z (SPDT-NC-NO [DB-DM])
7 = 2A (DPST-NO)
8 = 2B (DPST-NC)
11 = 2C (DPDT)
12 = 3A (3PST-NO)
13 = 3B (3PST-NC)
14 = 3C (3PDT)

3. Coil Input:
A = AC, 50/60 Hz. D = DC

4. Mountings:

Type KUM	KUMP	
OPEN STYLE 1 = #6-32 stud, .218" (5.54mm) locating tab. 2 = 2-hole bracket, #6-32 tapped. 3 = #6-32 tapped core, .125" (3.18mm) locating tab. 4 = #6-32 tapped core, .218" (5.54mm) locating tab. 5 = #6-32 tapped core, no locating tab.	1 = PLAIN CASE; 2 = with test button. 3 = with indicator lamp.* 4 = with test button & indicator lamp.* 5 = BRACKET MOUNT CASE; 6 = with test button. 7 = with indicator lamp.* 8 = with test button & indicator lamp.* 9 = STUD ON END OF PLAIN CASE.	A = PLAIN CASE, #6-32 STUD LOCATING TAB; B = with test button. C = with indicator lamp.* D = with test button & indicator lamp.* E = PLAIN CASE, TAPPED CORE, LOCATING TAB; F = with test button. G = with indicator lamp.* H = with test button & indicator lamp.* T = TOP FLANGE CASE.

*Indicator lamps are available on models with the following coils: 6-24VAC and DC, 110VDC and 120-240VAC. Only models with 120-240VAC coils are UL recognized.

5. Terminal & Contact Material:

Type	1 & 2 Pole Models	3 Pole Models
Codes Available	6,8,9,G	6,8,9

6 = .205" (5.21mm) quick connect/solder; silver-cadmium-oxide.
8 = .187" (4.75mm) quick connect/solder; silver-cadmium-oxide.
9 = .047" (1.19mm) printed circuit; silver-cadmium-oxide.
G = .250" (6.35mm) quick connect; silver-cadmium-oxide. (Not available on 3 pole models.)

6. Coil Voltage:
To 240VAC, 50/60 Hz. or 110VDC (For 277VAC, consult factory.)

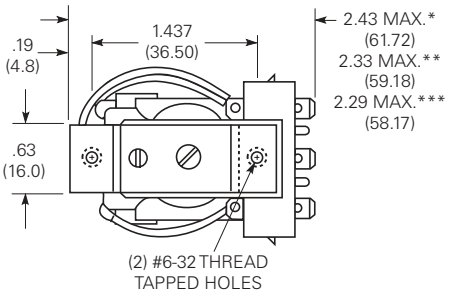
Stock Items – The following items are normally maintained in stock for immediate delivery.

KUMP-11A18-24	KUMP-11D18-12	KUMP-14A18-24	KUMP-14D18-24
KUMP-11A18-120	KUMP-11D18-24	KUMP-14A18-120	
KUMP-11A18-240	KUMP-11D18-110	KUMP-14D18-12	

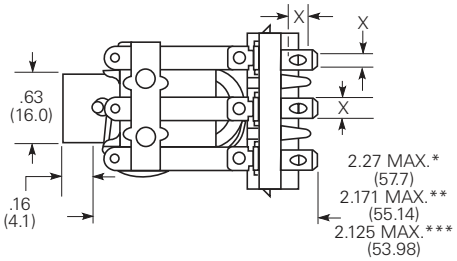
Outline Dimensions

Open Relays

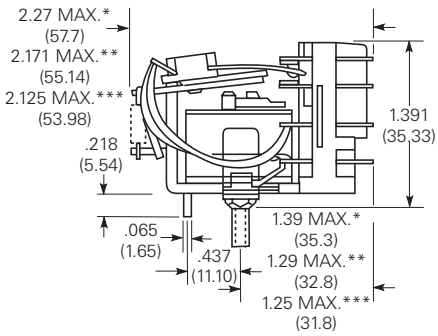
Bracket Type

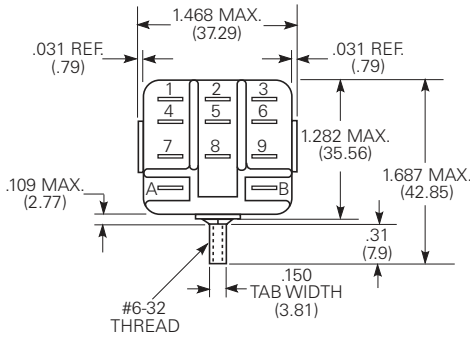


X Is For Terminal Dimensions.
See Terminal Drawings.



Stud Type





Seated Heights For Open Relays

1.391" (35.33mm) for #6-32 stud with .218" (5.54mm) locating tab.

1.52" (38.6mm) for bracket with 2-#6 32 tapped holes.

1.282" (32.56mm) for #6-32 tapped core with .125" (3.18mm) or .218" (5.54mm) locating tab.

2.046" (51.97mm) for relay with printed circuit terminals.

STUD TYPE also available with .125" (3.18mm) tab, as well as without stud and locating tab. Models without stud have core tapped #6-32 THREAD, .25" (6.4mm) minimum depth.

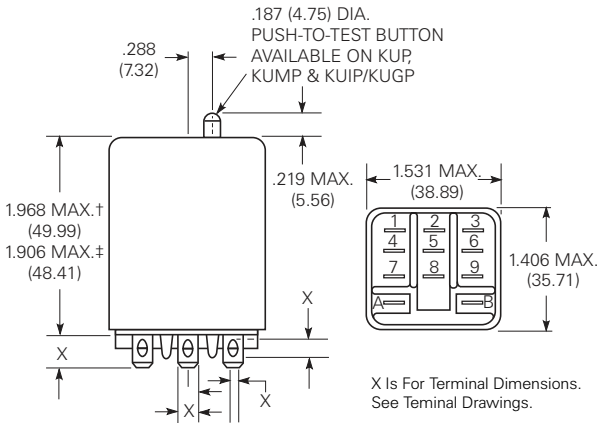
*Dimensions with .250" (6.35mm) terminals.

**Dimensions with .110" (2.79mm) or .205"(5.21mm) terminals.

***Dimensions with .187" (4.75mm) terminals.

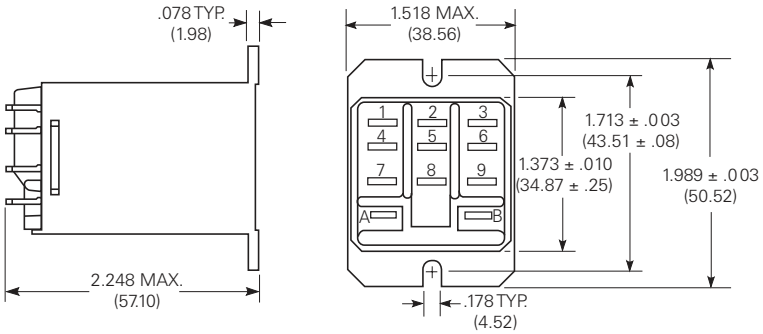
Enclosed Relays

Plain Case

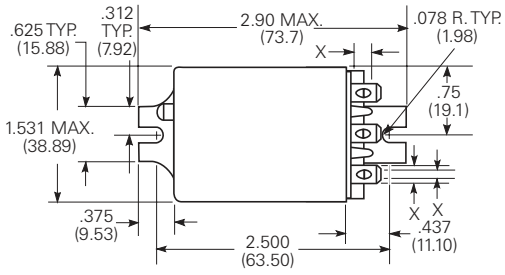


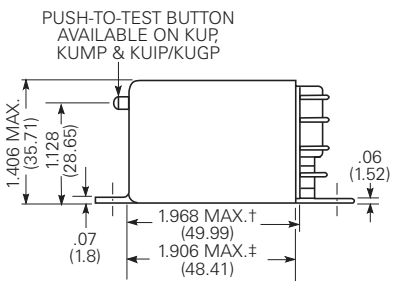
X Is For Terminal Dimensions.
See Teminal Drawings.

Top Flange Case

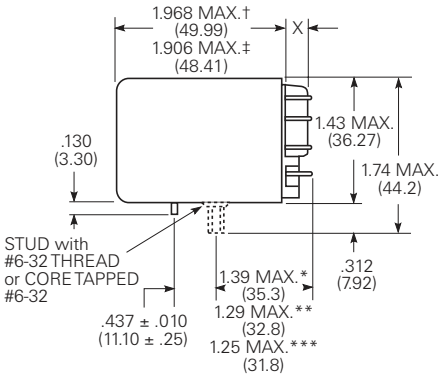


Bracket Mount Case





Core and Stud Mount Cases



†Dimensions with .250" (6.35mm) terminals.

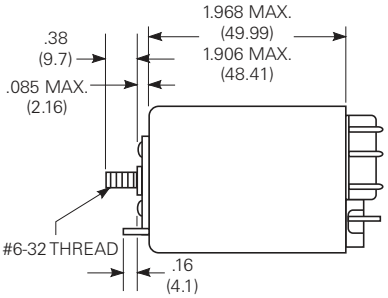
‡Dimensions with .110" (2.79mm), .187" (4.75mm and .205" 5.21mm) terminals.

*Dimensions with .250" (6.35mm) terminals.

**Dimensions with .110" (2.79mm) or .205" (5.21mm) terminals

***Dimensions with .187" (4.75mm) terminals.

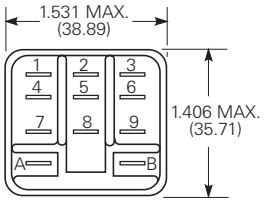
Stud on End Case



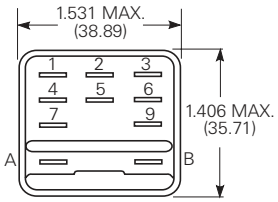
Outline Dimensions (Continued)

Relay Front Diagrams

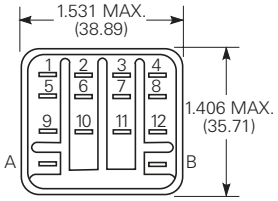
1-3 Pole Relays



Relays With .250" (6.35mm) Terminals

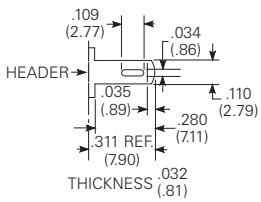


4 Pole Relays

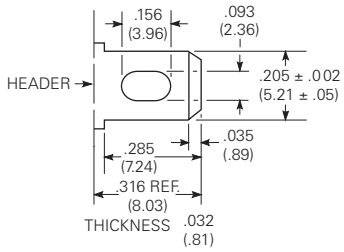


Terminal Dimensions

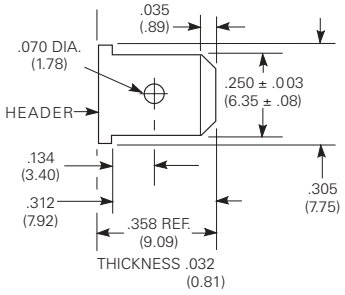
.110" (2.79mm) Quick ConnectQuick Connect



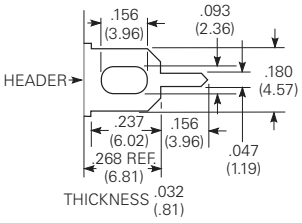
.205" (5.21mm) Quick Connect



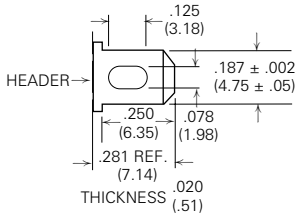
.250" (6.35mm)



Printed Circuit



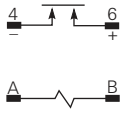
.187" (4.75mm) Quick Connect



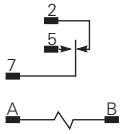
Note: All drawings shown oversize.

Wiring Diagrams

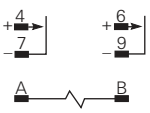
***1 Form X**



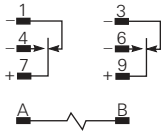
1 Form C



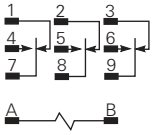
***2 Form A**



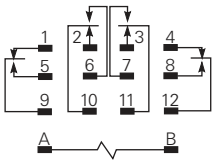
***2 Form C**



3 Form C



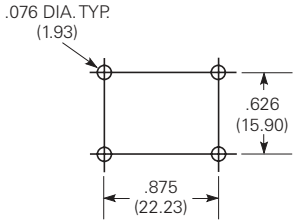
4 Form C



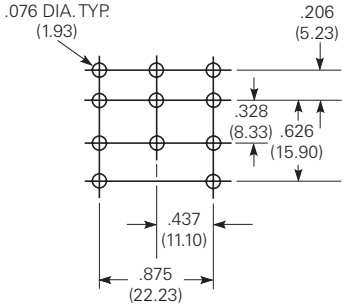
*Recommended Load Polarity for Optimum Arc Suppression.

PC Board Layouts (Bottom Views)

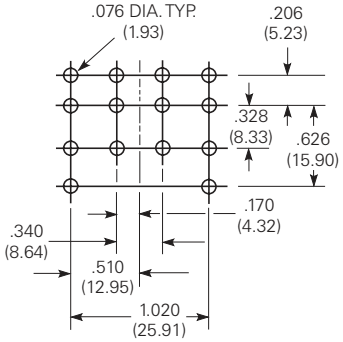
1 Form X



3 Pole Models



4 Pole Models



Sockets For KU Series Relays Through 3 Poles

Socket Selection Table

Stock items are boldfaced.

For KUP, KUEP, KUGP, KUIP, and KUMP relays, through 3 poles, with .187" (4.75mm) quick connect termination.

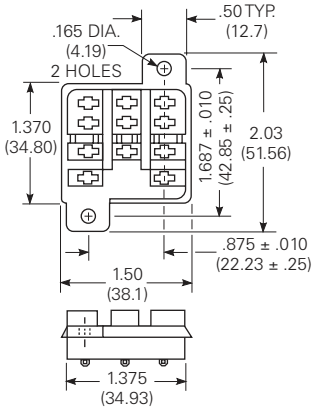
Socket	Socket Termination	Hold-Down Spring
27E043	Solder eyelet	20C228 or 20C254*
27E046	PC board, .144" (3.66mm) terminals	20C228 or 20C254
27E067	.187" (4.75mm) quick connect	20C228 or 20C254
27E121	Screw terminals	20C314 (2 per socket required)
27E305	PC board, .184" (4.67mm) terminals	20C228 or 20C254
27E310	PC board, .247" (6.27mm) terminals	20C228 or 20C254
27E396	.187" (4.75mm) quick connect*	20C254
27E397	Wire wrap*	20C254
27E400	Solder eyelet**	20C254
27E452	Wire wrap	20C228 or 20C254
27E893	Screw terminals†	20C318

* 20C228 held in place by socket hold-down screw where as 20C254 snaps onto socket.
** Snap-in mounting.
† DIN rail mounting.

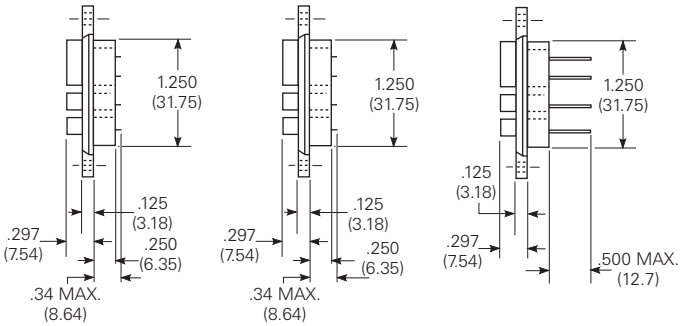
Hard Mount Sockets For Relays Through 3 Poles

Nylon sockets with .187" (4.75mm) quick connect, solder, printed circuit, wire wrap or no terminals are available for KUEP, KUGP, KUIP, KUMP, and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. All are rated 15 amps and UL recognized, File E59244 and CSA certified File LR15734 (except 27E452, 10 amps).

27E043–with solder eyelet terminals.
27E067–with .187" (4.75mm) quick connect terminals.
27E452–with .032" (.81mm) x .062" (1.57mm) x .725" (18.42mm) terminals for wire wrapping. Use 20 to 26 guage wire depending on type of wrapping system.

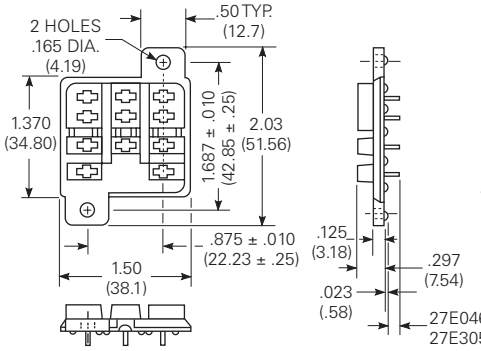


27E043 **27E067** **27E452**



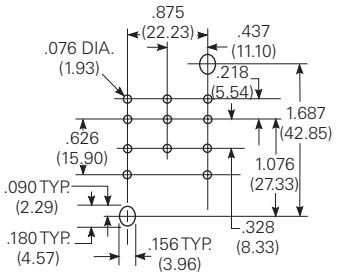
The 27E043, 27E067 and 27E452 use chassis cutout shown on this page.

27E046, 27E305, 27E310 Socket With Printed Circuit Terminals



27E046 HAS TERMINALS .144" (3.66 mm) LONG.
27E305 HAS TERMINALS .184" (4.67 mm) LONG.
27E310 HAS TERMINALS .247" (6.27 mm) LONG.

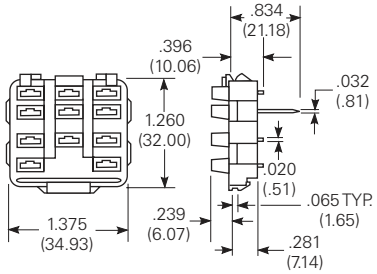
Suggested Socket PC Board Layout



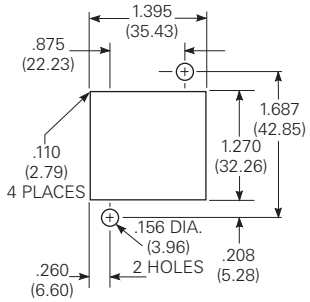
Snap-In Sockets For Relays Through 3 Poles

Nylon snap-in sockets with .187" (4.75mm) quick connect, solder, or wire wrap terminals are available for KUEP, KUGP, KUIP, KUMP, and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. Snap-in sockets reduce labor by eliminating time consuming screw or rivet mounting. Preassembled wiring harnesses may also be used as the sockets are designed to snap into the chassis from either front or back. All are rated 15 amps and UL recognized, File E59244. The 27E396, 27E397 and 27E400 use chassis cutout shown on this page.

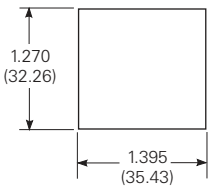
27E396–with .187" (4.75mm) quick connect terminals.
27E397–with .062" (1.57mm) x .032" (.81mm) terminals for wire wrapping. Use 20 to 26 guage wire depending on type of wrapping system.
27E400–with solder eyelet terminals.



Recommended Chassis Cutout For Hard Mount Sockets



Recommeded Chassis Cutout For Snap-In Sockets

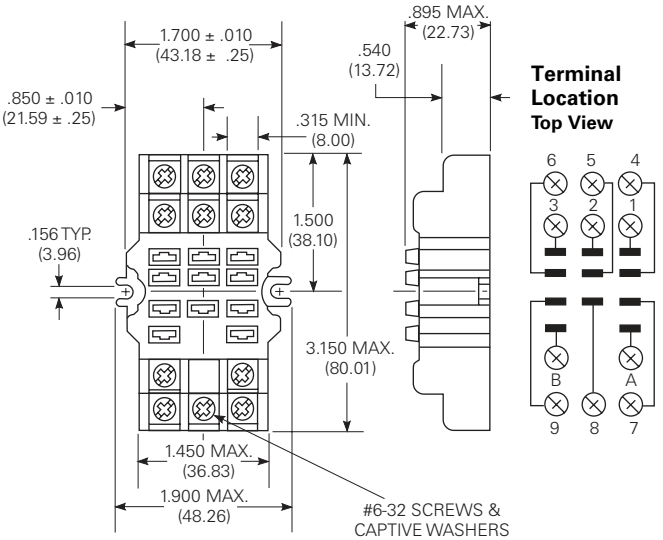


Recommended chassis thickness .031" (.79mm) to .062" (1.57mm).

Sockets For KU Series Relays Through 3 Poles (continued)

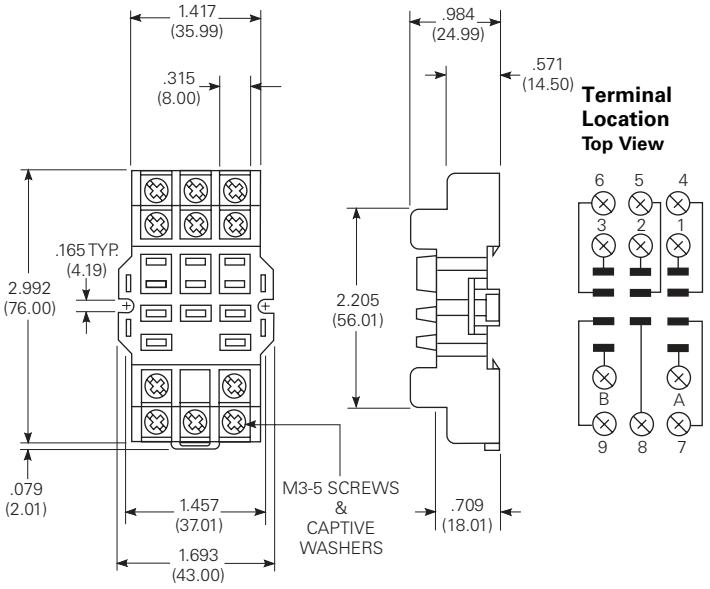
27E121
Screw Terminal Socket

The 27E121 socket offers screw termination for KUEP, KUGP, KUIP, KUL, KUMP and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. This socket stacks on 1.700" (43.18mm) centers. When surface mounting, two #6-32 screws of suitable length are required. When track mounting, two 24A071 retainer clips (not shown) are required. The 27E121 is rated 15 amps and is UL recognized, File E59244, CSA certified, File LR15734.



27E893
Screw Terminal, Din Rail Snap-Mount Socket
(use with mounting track 24A110)

The 27E893 DIN rail, snap-mount socket offers screw termination for KUEP, KUGP, KUIP, KUL, KUMP and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. This socket is constructed with a spring-loaded latch which allows it to be quickly snapped onto or removed from a "top hat" style mounting track. No special tools or extra hardware is required for installation. The 27E893 is UL rated 15 amps, 94V-0, File E59244 and CSA rated 10 amps, File LR15734. Two 20C317 hold-down spring anchor clips are packaged with each socket.



Sockets For KU Series 4 Pole Relays

Socket Selection Table
Stock items are boldfaced.

For 4 pole KUP relays with .110" (2.79mm) quick connect termination.

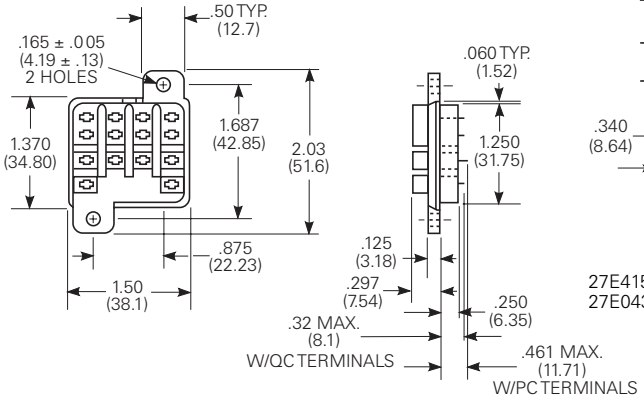
Socket	Socket Termianation	Hold-Down Spring
27E415	.187" (4.75mm) quick connect	20C228 or 20C254
27E419	PC board	20C228 or 20C254
27E867*	Screw terminals	20C254

* Use 40G432 insulator pad or customer supplied alternative. (See page 100.)

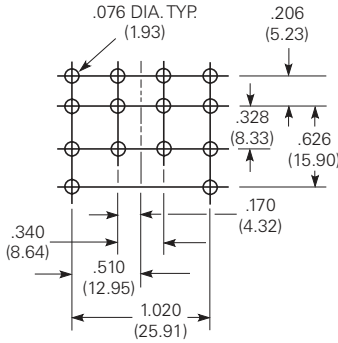
Hard Mount Sockets For 4 Pole Relays

27E415–with .187" (4.75mm) quick connect/solder terminals.
27E419–with printed circuit terminals. See PC board layout at right.

Note: Only 4 pole KUP relays with .110" (2.79mm) quick connect terminals can be used with 4 pole hard mount sockets.



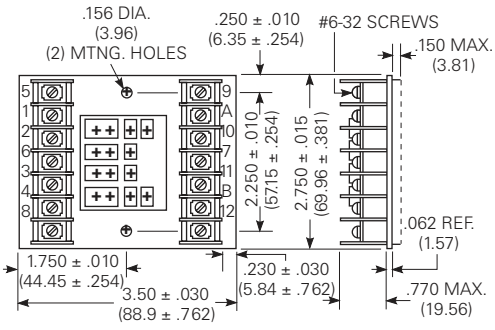
Suggested Socket PC Board Layout



27E415 uses same chassis cutout as 27E043.

Screw Terminal Socket For 4 Pole Relays

27E867 offers screw termination for 4 pole KUP relays with .110" (2.79mm) quick connect/socket mount terminals. Rated 10 amps and is UL recognized, File E59244.



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