Sockets & Accessories, KUP Relays

- Sockets for 1 - 3 pole relays with .187" (4/75mm) quick connects or 4 pole relays with .110" (2.79mm) quick connects
- Solder, PCB or screw terminal sockets
- Hold down springs
- Various mounting options

Approvals
UL E59244, CSA LR15734
Technical data of approved types on request.

Technical Data
Socket contact material	Spring brass, tin plated
Socket body material	
Solder, PCB and QC terminal models	Nylon
Screw terminal models - 3 pole	Glass-filled polyester
Screw terminal model - 4 pole	Combination (PCB assembly)
Maximum current	
Screw terminal model - 4 pole	10A
All other models	15A

Ordering Code for Sockets

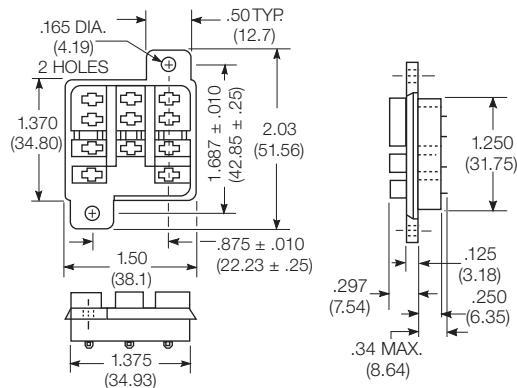| Product Code	Poles	Terminal type	Mounting	Rating	Part number
27E043	3	solder	hard mount	15A	1393143-1
27E067		.187 in (4.75) quick connect			1393143-2
27E046		PCB .144 in (3.66) long			1419106-4
27E305		PCB .184 in (4.67) long			3-1393143-2
27E419	4	PCB .156 in (3.96) long			4-1393143-0
27E396	3	.187 in (4.75) quick connect	snap-in		3-1393143-8
27E121		screw	panel/rail		1393143-5
27E893			DIN-rail		2-1419106-5
27E867	4		panel-rail	10A	2-1419106-2

All accessories must be ordered separately.

Dimensions

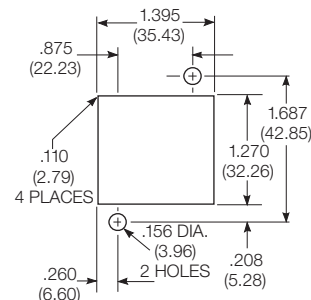**Hard Mount Sockets For Relays Through 3 Poles**
Sockets with .187" (4.75mm) quick connect, solder or printed circuit terminals are available for KUEP, KUGP, KUIP, KUL, KUMP and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. Also used with CL/CU time delay relays.
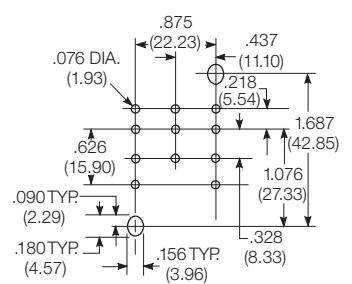27E043–with solder eyelet terminals.
27E067–with .187" (4.75mm) quick connect terminals.

Caution: Printed circuit sockets are manufactured with "floating" (Loose) terminals. This permits them to align with holes in the circuit board and with the relay terminals. During the mounting and soldering of the socket, vertical float should be eliminated and the terminals seated on the board. (This may be accomplished by inserting a dummy relay in the socket.) Failure to eliminate float may cause fracture of the solder joint or separation of the copper conductor from the printed circuit board when a relay is inserted in the socket after soldering.

Recommended chassis cutout for solder terminal socket
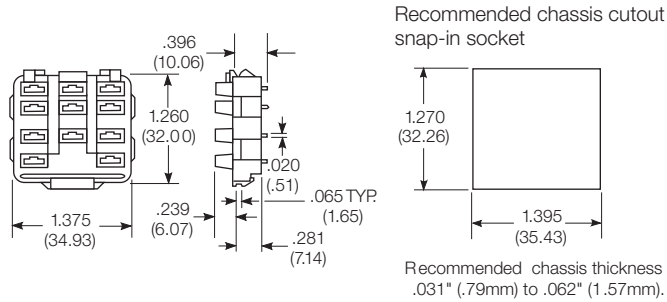
PC board layout for 3 pole PCB terminal socket

Recommended Chassis Thickness
.031 (.79) to .062 (1.57)

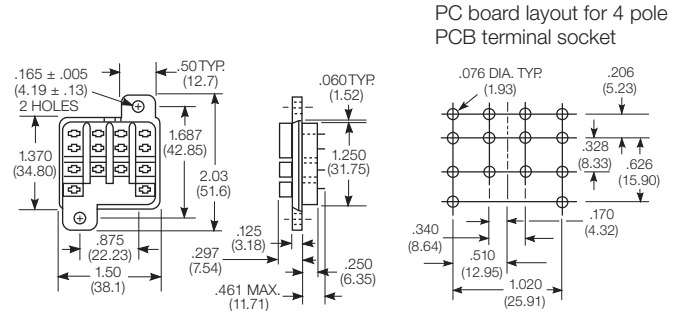## Sockets & Accessories, KUP Relays (Continued)

Dimensions

Snap-in Socket For Relays Through 3 Poles
Socket with with .187" (4.75mm) quick connect terminals is available for KUEP, KUGP, KUIP, KUL, KUMP and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. Also used with CL/CU time delay relays.
27E396–with .187" (4.75mm) quick connect terminals
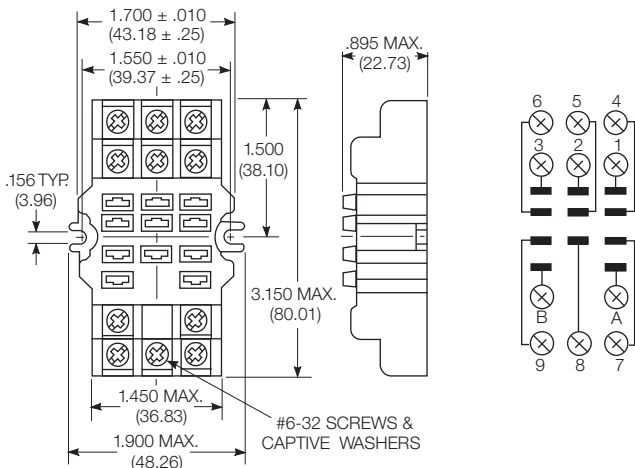
Hard mount sockets for relays with 4 poles
Socket with printed circuit terminals is available for KUP relays, with 4 poles, with .110" (2.79mm) quick connect terminals. 27E043–with solder eyelet terminals. 27E419–with printed circuit terminals.

Recommended chassis cutout snap-in socket

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

PC board layout for 4 pole PCB terminal socket

Caution: Printed circuit sockets are manufactured with "floating" (Loose) terminals. This permits them to align with holes in the circuit board and with the relay terminals. During the mounting and soldering of the socket, vertical float should be eliminated and the terminals seated on the board. (This may be accomplished by inserting a dummy relay in the socket.) Failure to eliminate float may cause fracture of the solder joint or separation of the copper conductor from the printed circuit board when a relay is inserted in the socket after soldering.

Screw terminal socket for relays through 3 poles 27E121
Offers screw termination for KUEP, KUGP, KUIP, KUL, KUMP and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. Also used with CL/CU time delay relays. 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.

Screw terminal, DIN rail, snap-mount socket 27E893
Offers screw termination for KUEP, KUGP, KUIP, KUL, KUMP and KUP relays, through 3 poles, with .187" (4.75mm) quick connect terminals. Also used with CL/CU time delay relays. This socket is constructed with a spring-loaded latch which allows it to be quickly snapped onto or removed from a DIN or "top hat" style mounting track. No special tools or extra hardware is required for installation.