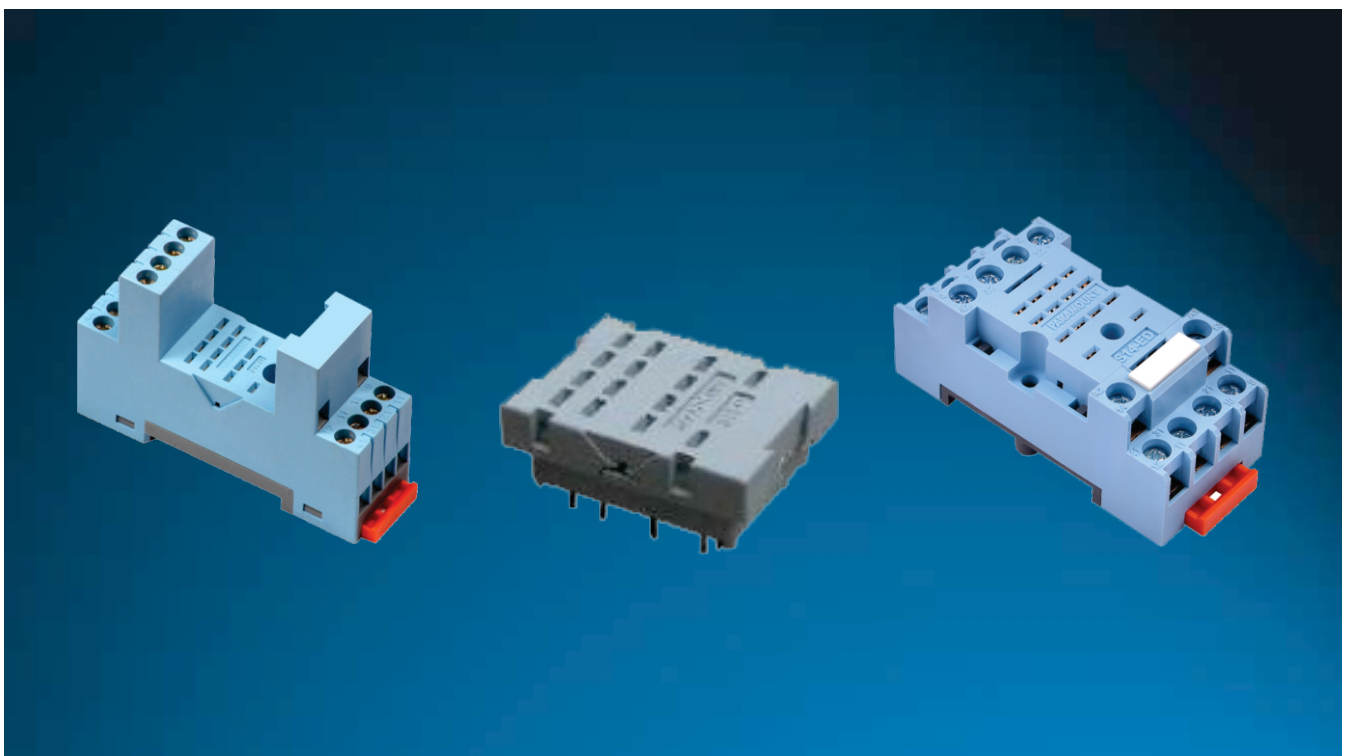
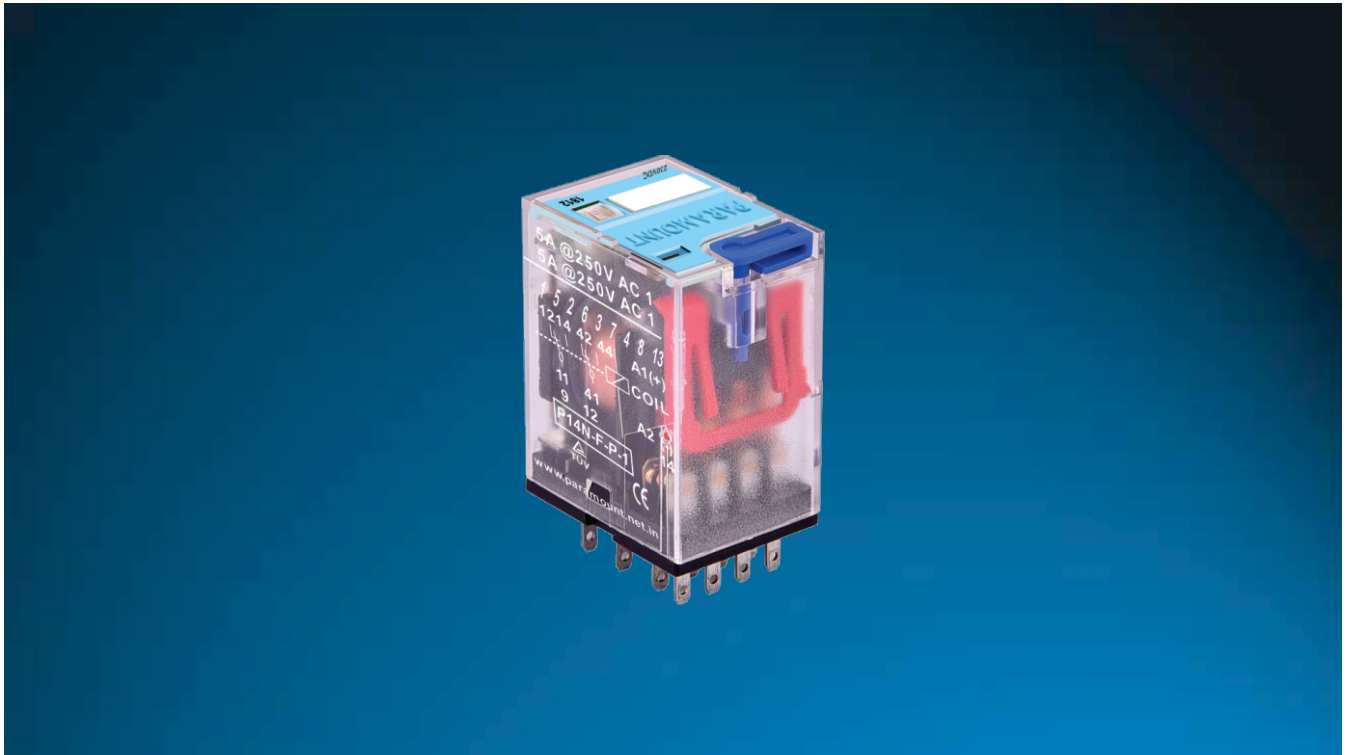
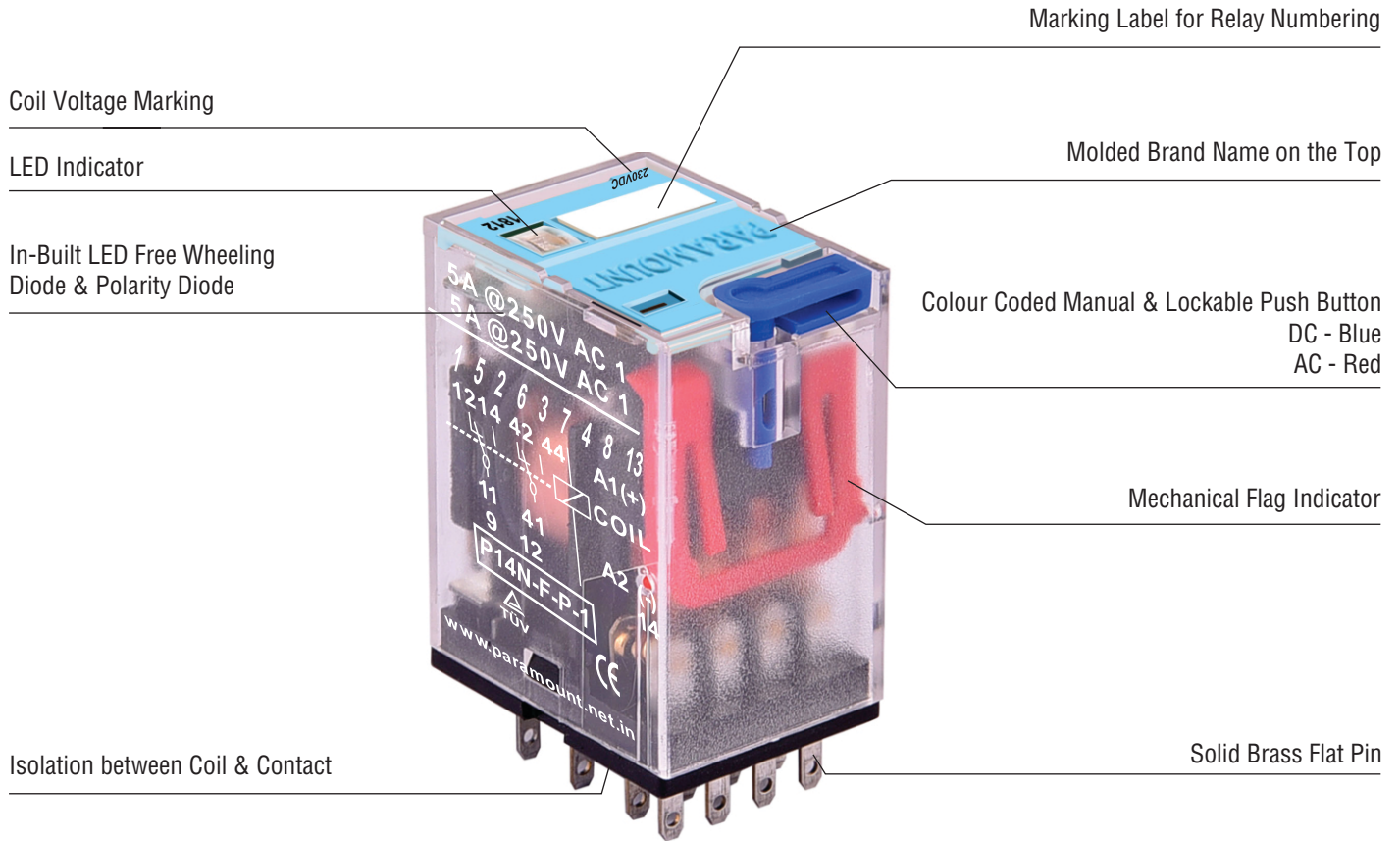


# Catalogue

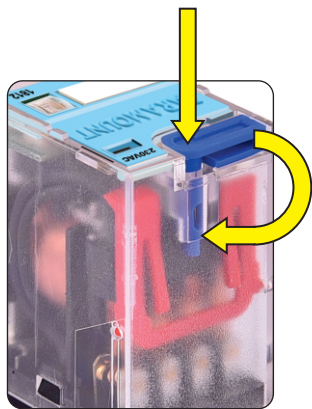
## Series P14 N



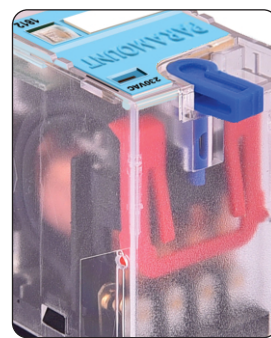
**P14 N FEATURES**



**OPERATION FOR MANUAL AND LOCKABLE PUSH BUTTON**

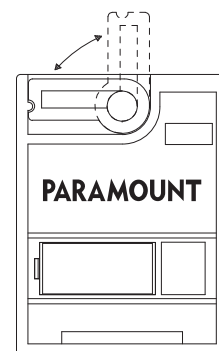
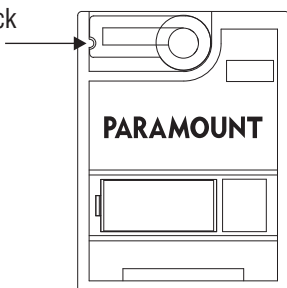


Press the Slot on Top with the help of Screw Driver for Manual Lock



Turn the button 90 Degree for Activating the Lockable Button

Mechanically Lock the Lockable Button in the OFF Position



## **DESIGN FEATURES OF P14 N RELAY**

High bright High Reliability  
SMD ORANGE LED

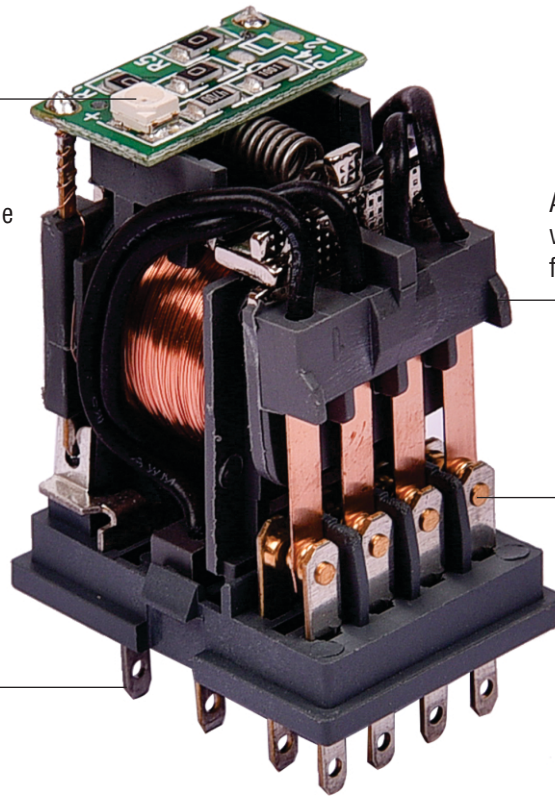
Various Types of Electronics like :

- 1 Built in LED
- 2 Built in LED & Free Wheeling Diode
- 3 Built in LED Free Wheeling Diode  
& Polarity Diode
- 4 Built in Free Wheeling Diode
- 5 Built in Bridge Rectifier
- 6 Built in RC

Armature with Change Over Terminal are  
welded and over molded for high Reliability  
for High Insulation Armature Assembly

Builtin Molded Isolator

Contacts with 0.2 Au Gold Flash

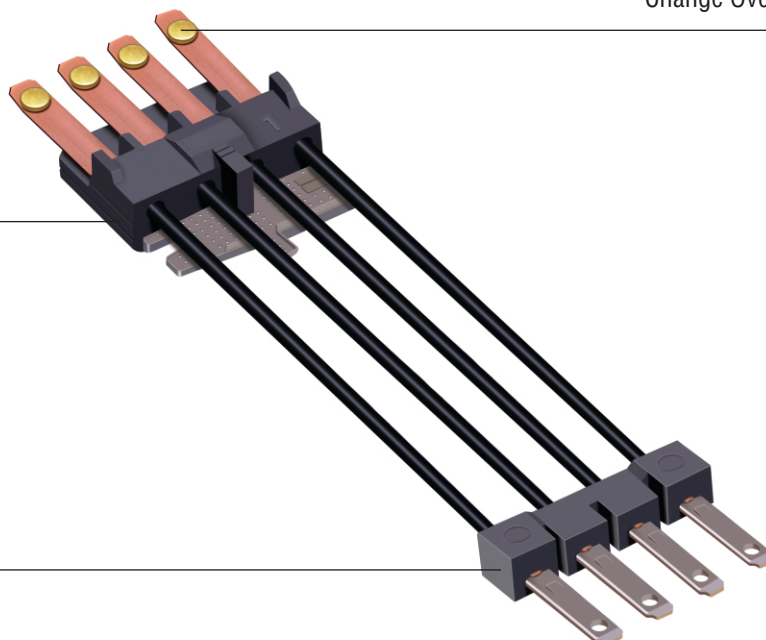


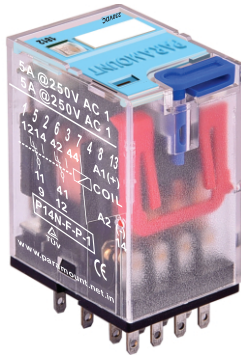
## **ARMATURE ASSEMBLY**

Change Over Terminal with 0.2 Gold Flash

Molded Armature Assembly

Insert Molded CO Terminal





# P14N

## General Purpose Relays

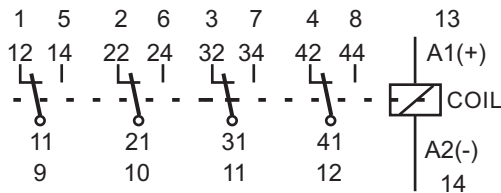
**4 Pole, Change-Over Contacts**

**6 A 250V AC1 50Hz**

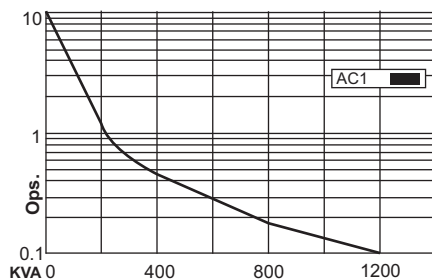
**6 A 30V DC1**



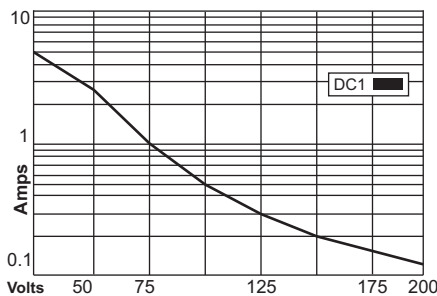
### Pin configuration for P14N



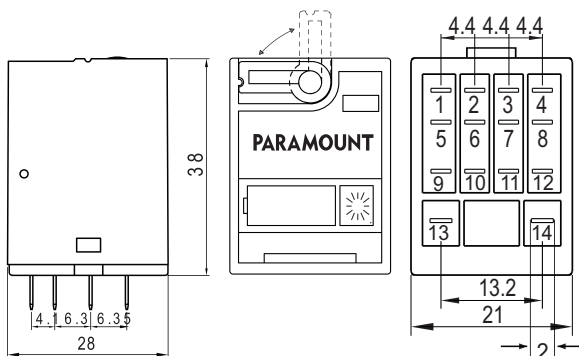
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



### Dimensions in mm.



### Contacts

Materials : Standard	AgNi
Code 1	AgNi + 0.2 Au
Code 2	AgNi + 5.0 Au
Max. switching current	6 A
Max. Peak inrush current (20 ms.)	15 A
Max. Switching voltage	250 V
Max. AC load (Table 1)	2.5 KVA

### Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal Coil Power	1.2 VA (AC) / 1.W (DC)

VAC	Ω	VDC	Ω
6	12	6	40
12	50	12	160
24	190	24	640
48	785	48	2600
110	3880	110	13600
230	17400	220	54000

### Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insolation resistance at 500V	2.5KV / 3
Isolation, IEC 61810-5:	

### Specifications

Operate Time + Bounce Time	10 ms.
Release Time + Bounce Time	6 ms.
Ambient Temperature	-40°C (no ice)... +70°C
Mechanical life ops.	10 Million AC, 20 Million DC relays
Electrical life at nominal load	> 100,000 ops. Minimum
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

### Standard Types

#### AC 50 Hz : 24, 48, 115, 230

P = LED Indicator across the coil	<b>P14N-P</b>	- 1 .... VAC
F = Mechanical Flag Indicator	<b>P14N-FP</b>	- 1 .... VAC
I = Manual & Lockable Push Button	<b>P14N-FPI</b>	- 1 .... VDC

#### DC 12, 24V, 48, 110, 220

P = LED Indicator across the coil	<b>P14N-P</b>	- 1 .... VDC
F = Mechanical Flag Indicator	<b>P14N-FP</b>	- 1 .... VDC
I = Manual & Lockable Push Button	<b>P14N-FPI</b>	- 1 .... VDC
Z = Free wheeling & Polarity Diode	<b>P14N-FZI</b>	- 1 .... VDC
W = Free Wheeling Diode	<b>P14N-FPW</b>	- 1 .... VDC

### Suitable Sockets : S14LD-R, S14D-R, S14ED-R, S14P-R

### Approvals



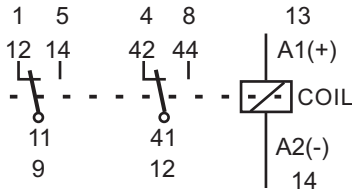


# P14N-2

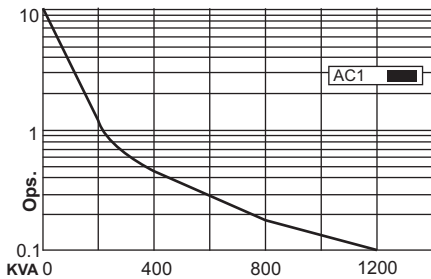
## General Purpose Relays

**2 Pole, Change-Over Contacts**  
**6 A 250V AC1 50Hz      6 A 30V DC1**

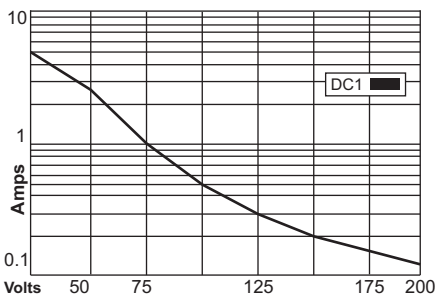
### Pin configuration for P14N-2



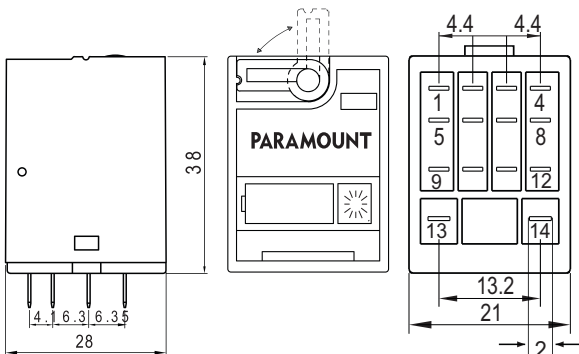
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



### Dimensions in mm.



### Contacts

Materials : Standard	AgNi
Code 1	AgNi + 0.2 Au
Code 2	AgNi + 5.0 Au
Max. switching current	6 A
Max. Peak inrush current (20 ms.)	15 A
Max. Switching voltage	250 V
Max. AC load (Table 1)	2.5 KVA

### Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal Coil Power	1.2 VA (AC) / 1.W (DC)

VAC	Ω	VDC	Ω
6	12	6	40
12	50	12	160
24	190	24	640
48	785	48	2600
110	3880	110	13600
230	17400	220	54000

### Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insolation resistance at 500V	2.5KV / 3
Isolation, IEC 61810-5:	

### Specifications

Operate Time + Bounce Time	10 ms.
Release Time + Bounce Time	6 ms.
Ambient Temperature	-40°C (no ice)... +70°C
Mechanical life ops.	10 Million AC, 20 Million DC relays
Electrical life at nominal load	> 100,000 ops. Minimum
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

### Standard Types

#### AC 50 Hz : 24, 48, 115, 230

P = LED Indicator across the coil	<b>P14N-2-P</b>	- 1 .... VAC
F = Mechanical Flag Indicator	<b>P14N-2-FP</b>	- 1 .... VAC
I = Manual & Lockable Push Button	<b>P14N-2-FPI</b>	- 1 .... VDC

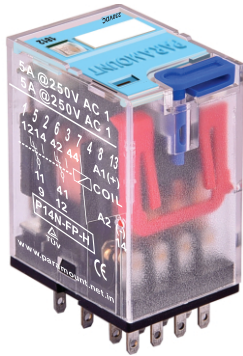
#### DC 12, 24V, 48, 110, 220

P = LED Indicator across the coil	<b>P14N-2-P</b>	- 1 .... VDC
F = Mechanical Flag Indicator	<b>P14N-2-FP</b>	- 1 .... VDC
I = Manual & Lockable Push Button	<b>P14N-2-FPI</b>	- 1 .... VDC
W = Free Wheeling Diode	<b>P14N-2-FPW</b>	- 1 .... VDC
Z = Free wheeling & Polarity Diode	<b>P14N-2-FPZI</b>	- 1 .... VDC

### Suitable Sockets : S12D-R, S12LD-R, S12ED-R, S12P-R

### Approvals





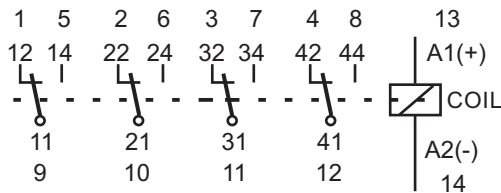
# P14N....H

## Long Life Relay

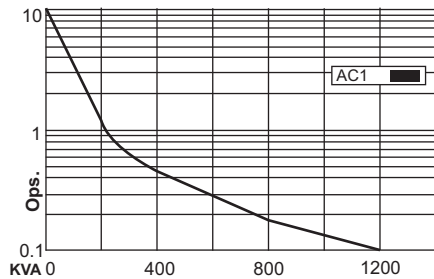
**4 Pole, Change-Over Contacts**  
**5 A 250V AC1 50Hz      5 A 30V DC1**



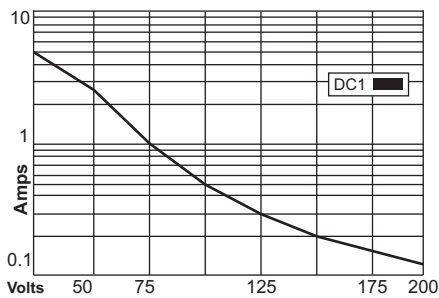
### Pin configuration for P14N



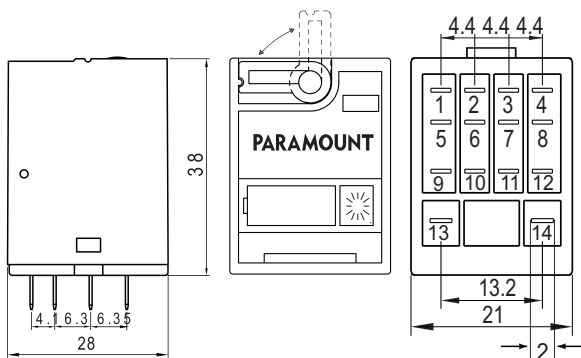
### Graph 1 Electrical life, ops x 10<sup>6</sup>



### Graph 2 Max. DC load



### Dimensions in mm.



### Contacts

Materials : Standard	AgNi
Code 1	AgNi + 0.2 Au
Code 2	AgNi + 5.0 Au
Max. switching current	5 A
Max. Peak inrush current (20 ms.)	15 A
Max. Switching voltage	250 V
Max. AC load (Table 1)	2.5 KVA

### Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal Coil Power	1.2 VA (AC) / 1.W (DC)

VAC	Ω	VDC	Ω
6	12	6	40
12	50	12	160
24	190	24	640
48	785	48	2600
110	3880	110	13600
230	17400	220	54000

### Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insolation resistance at 500V	2.5KV / 3
Isolation, IEC 61810-5:	

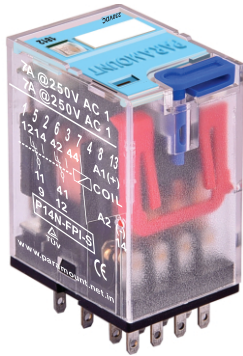
### Specifications

Operate Time + Bounce Time	10 ms.
Release Time + Bounce Time	6 ms.
Ambient Temperature	-40°C (no ice)... +70°C
Mechanical life ops.	10 Million AC, 20 Million DC relays
Electrical life at nominal load	> 300,000 ops. Minimum
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

### Standard Types

<b>AC 50 Hz : 24, 48, 115, 230</b>	
P = LED Indicator across the coil	<b>P14N-P-H - 1 .... VAC</b>
F = Mechanical Flag Indicator	<b>P14N-FP-H - 1 .... VAC</b>
I = Manual & Lockable Push Button	<b>P14N-FPI-H - 1 .... VDC</b>
<b>DC 12, 24V, 48, 110, 220</b>	
P = LED Indicator across the coil	<b>P14N-P-H - 1 .... VDC</b>
F = Mechanical Flag Indicator	<b>P14N-FP-H - 1 .... VDC</b>
I = Manual & Lockable Push Button	<b>P14N-FPI-H - 1 .... VDC</b>
Z = Free wheeling & Polarity Diode	<b>P14N-FZI-H - 1 .... VDC</b>
W = Free Wheeling Diode	<b>P14N-FPW-H - 1 .... VDC</b>

### Suitable Sockets : S14LD-R, S14D-R, S14ED-R, S14P-R



# P14N.....S Relay

## General Purpose Relays

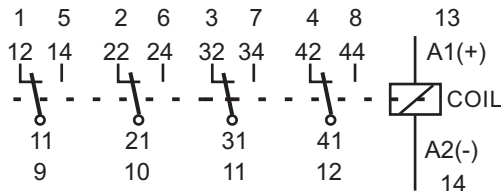
**4 Pole, Change-Over Contacts**

**7A 250V AC1 50Hz**

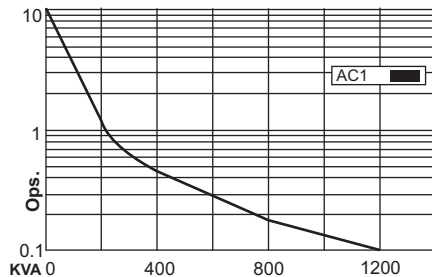
**7A 30V DC1**



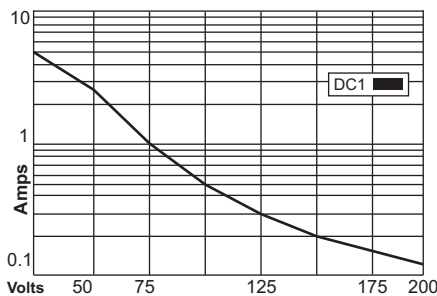
### Pin configuration for P14N-S



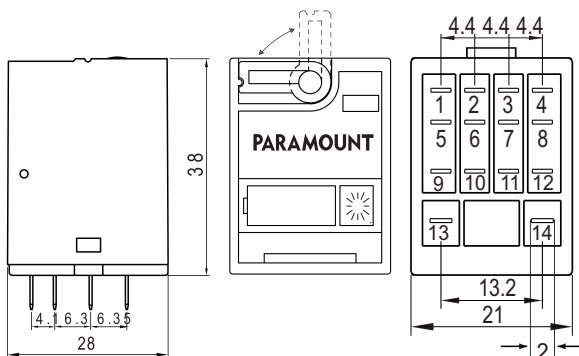
**Graph 1** Electrical life, ops x 10<sup>6</sup>



**Graph 2** Max. DC load



### Dimensions in mm.



### Contacts

Materials: Standard	AgNi
Max. switching current	7 A
Max. Peak inrush current (20 ms.)	15 A
Max. Switching voltage	250 V
Max. AC load (Table 1)	2.5 KVA

### Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal Coil Power	1.2 VA (AC) / 1.W (DC)

VAC	Ω	VDC	Ω
6	12	6	40
12	50	12	160
24	190	24	640
48	785	48	2600
110	3880	110	13600
230	17400	220	54000

### Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insolation resistance at 500V	2.5KV / 3
Isolation, IEC 61810-5:	

### Specifications

Operate Time + Bounce Time	10 ms.
Release Time + Bounce Time	6 ms.
Ambient Temperature	-40°C (no ice)... +70°C
Mechanical life ops.	10 Million AC, 20 Million DC relays
Electrical life at nominal load	> 100,000 ops. Minimum
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

### Standard Types

**AC 50 Hz : 24, 48, 115, 230**

- P = LED Indicator across the coil
- F = Mechanical Flag Indicator
- I = Manual & Lockable Push Button

<b>P14N-P-S</b>	.... VAC
<b>P14N-FP-S</b>	.... VAC
<b>P14N-FPI-S</b>	.... VDC

**DC 12, 24V, 48, 110, 220**

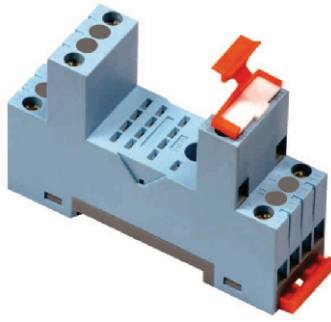
- P = LED Indicator across the coil
- F = Mechanical Flag Indicator
- I = Manual & Lockable Push Button
- W = Free Wheeling Diode
- Z = Free wheeling & Polarity Diode

<b>P14N-P-S</b>	.... VDC
<b>P14N-FP-S</b>	.... VDC
<b>P14N-FPI-S</b>	.... VDC
<b>P14N-FPW-S</b>	.... VDC
<b>P14N-FPZI-S</b>	.... VDC

**Suitable Sockets : S14D-R, S14LD-R, S14ED-R, S14P-R**

### Approvals



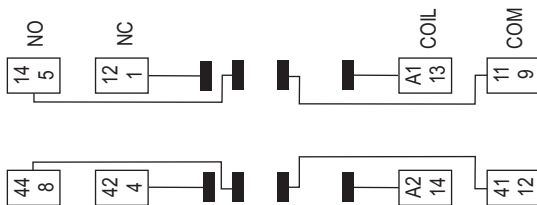


# S12D-R

Only  
**23 mm**  
WIDE

## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Specifications

Poles: 2 Change Over Contact  
Nominal load: 12A / 250 VAC

**Insulation:** Di-electric strength, 1minute

Between contact and coil: 2.5 KV  
Between all terminals and DIN Rail: 2.5 KV  
Between adjacent terminals: 2.5 KV

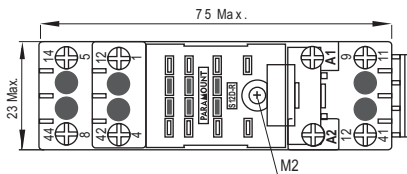
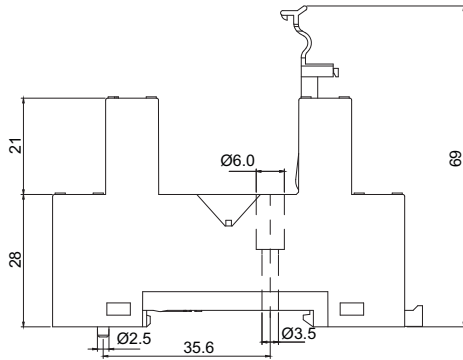
Max. screw torque: 1.2 Nm  
Screw dimensions: M3, Pozi

### Wire in-lets capacity:

Solid Wire: 4 mm or 2 x 2.25 mm  
Multi core: 22 14 AWG  
Ferrule tip terminals: 4 mm  
Weight Approx.: 61 gms.

### Dimensions

in mm.



### Other Aspects

DIN Rail / Panel Mountable  
EN / DIN Sequential Numbering according to EN 60947 & IEC 61810  
Integrated Relay Hold Down Clip  
Removable White Marking Label  
Hard Brass Tin Plated Terminals  
Brass Tin Plated Screw

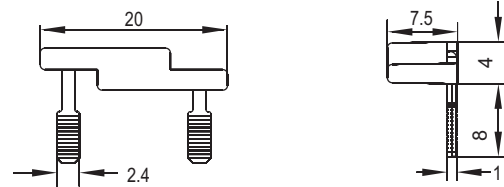
### Accessories (on request)



S14D-B1

### Dimensions for accessories

in mm.

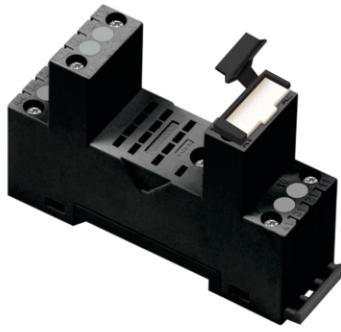


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

### Suitable Relays : P12N, P14N-2

### Approvals



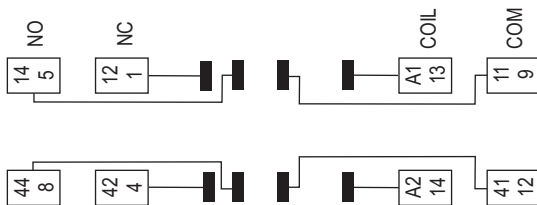


# S12D-R-E

Only  
**23 mm**  
WIDE

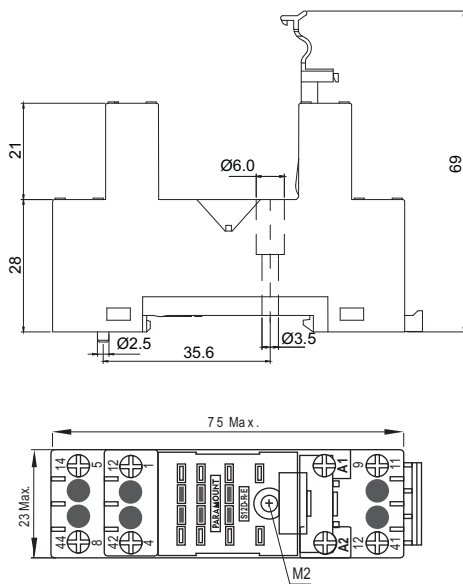
## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions

in mm.



### Specifications

Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
<b>Wire in-lets capacity:</b>	
Solid Wire	4 mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4 mm
Weight Approx.	61 gms.

### Other Aspects

- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label
- Hard Brass Tin Plated Terminals
- Brass Tin Plated Screw

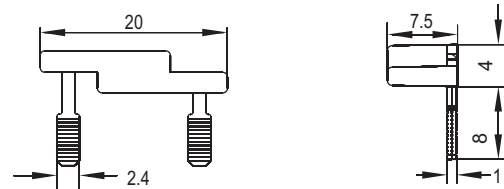
### Accessories (standard)



S14D-B1

### Dimensions for accessories

in mm.

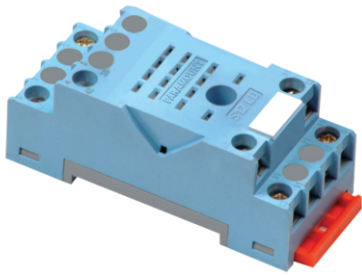


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

### Suitable Relays : P12N-E1, P14N-2-E1

### Approvals



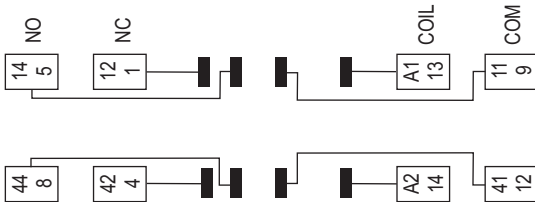


# S12LD-R

Only  
**28.7 mm**  
WIDE

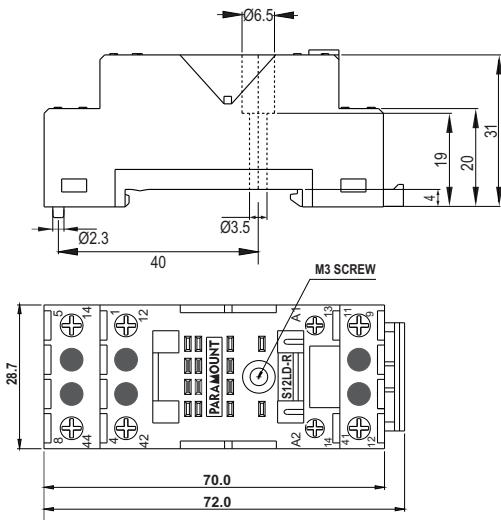
## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions

in mm.



### Specifications

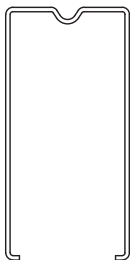
Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Weight Approx.	61 gms.

### Other Aspects

- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

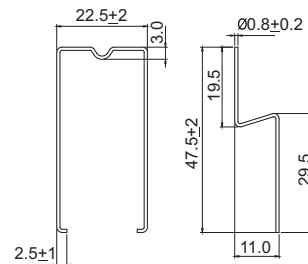
### Accessories - 1 (standard)

Metal Clamp - R



### Dimensions for accessories - 1

in mm.

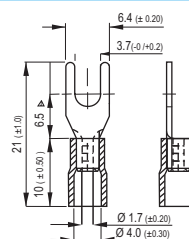


### Accessories - 2 (on request)



### Dimensions for accessories - 2

in mm.

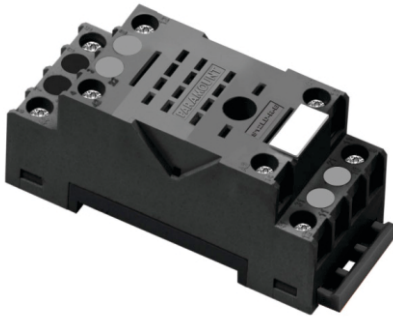


Fork / C type crimped Terminal used for wire connection

### Suitable Relays : P12N, P14N-2

### Approvals



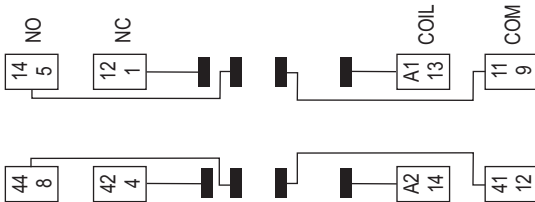


# S12LD-R-E

Only  
**28.7 mm**  
WIDE

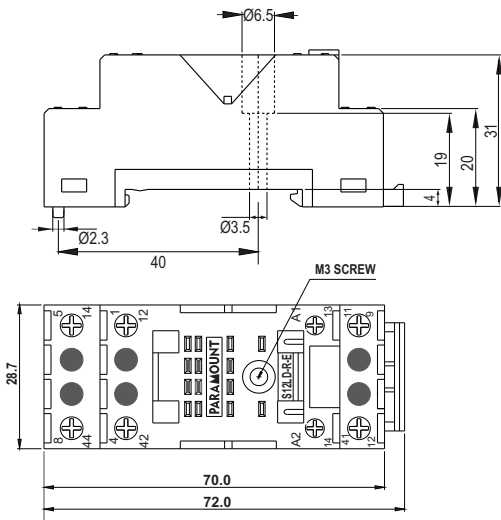
## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions

in mm.



### Accessories - 1 (standard)

Metal Clamp - R

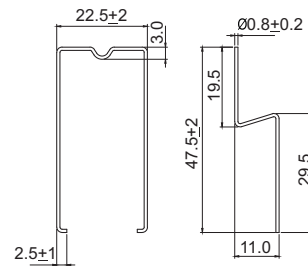


### Accessories - 2 (on request)



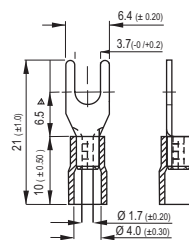
### Dimensions for accessories - 1

in mm.



### Dimensions for accessories - 2

in mm.



Fork / C type crimped Terminal used for wire connection

### Suitable Relays : P12N-E1, P14N-2-E1

### Approvals

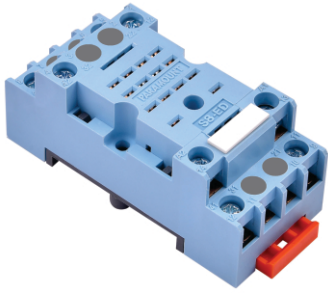


### Specifications

Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Weight Approx.	61 gms.

### Other Aspects

- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

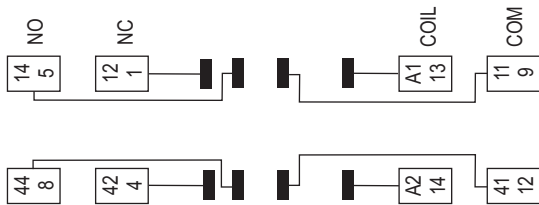


# S12ED-R

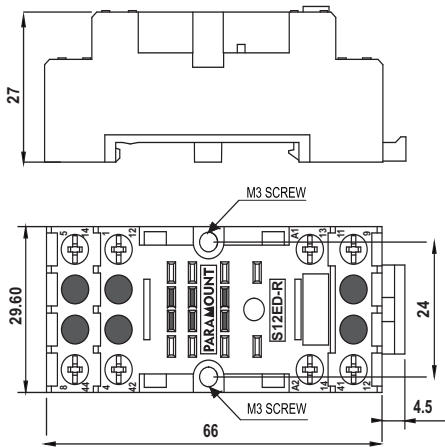
Only  
**29.6 mm**  
WIDE

## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions in mm.



### Specifications

Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

### Other Aspects

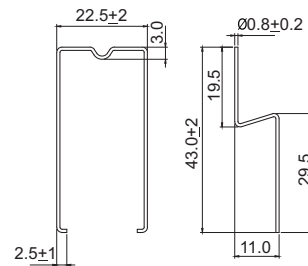
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

### Accessories - 1 (standard)

Metal Clamp - R



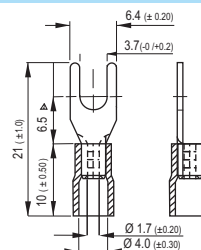
### Dimensions for accessories - 1 in mm.



### Accessories - 2 (on request)



### Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

### Suitable Relays : P12N, P14N-2

### Approvals



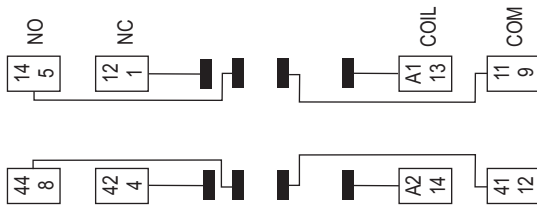


# S12ED-R-E

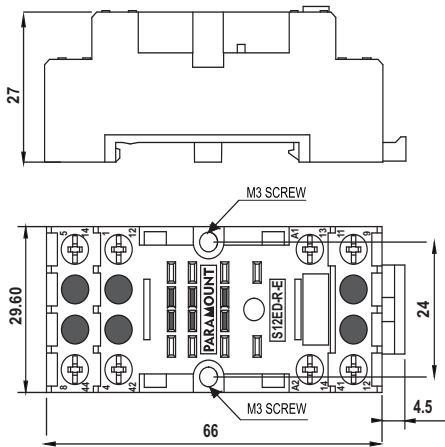
Only  
**29.6 mm**  
WIDE

## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions in mm.



### Specifications

Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.2 5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	0.6 Nm
Screw dimensions	M3, PozI
Weight Approx.	46 gms.

### Other Aspects

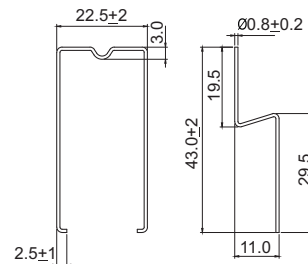
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

### Accessories - 1 (standard)

Metal Clamp - R



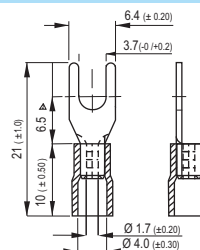
### Dimensions for accessories - 1 in mm.



### Accessories - 2 (on request)



### Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

### Suitable Relays : P12N-E1, P14N-2-E1

### Approvals

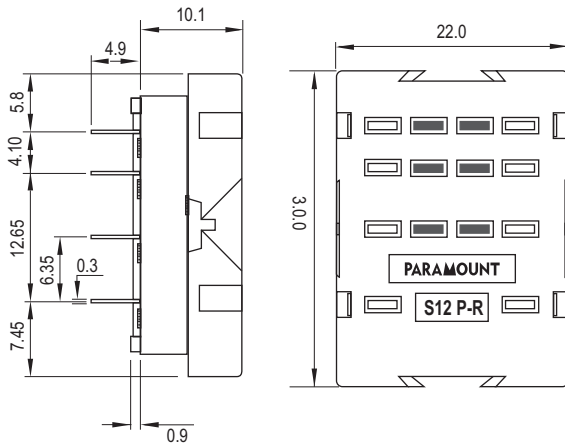




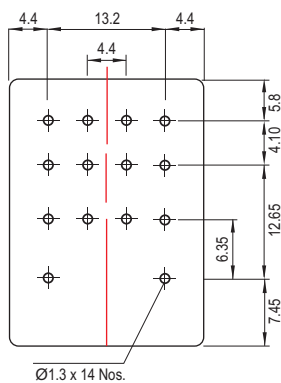
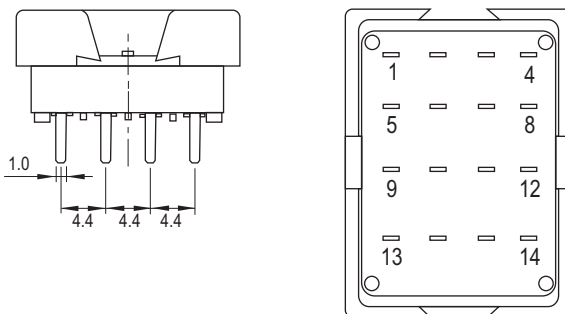
# S12P-R

## PCB Mountable Socket

### Dimensions in mm.



Terminal Arrangement  
(Bottom View)



Mounting Holes Tolerance  $\pm 0.1$

### Specifications

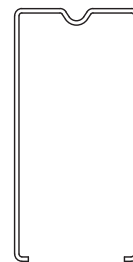
Poles	2 Change Over Contact
Nominal load :	12A / 300 VAC
Di-electric strength	2.5 KV
Number of pins	8 pins
Ambent Temp	-40C + 70C
Weight Approx	8 gms

### Other Aspects

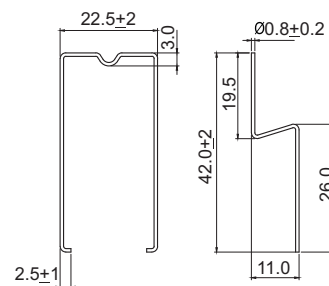
- PCB Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Hard Brass Tin Plated Terminals

### Accessories - (standard)

Metal Clamp - R



### Dimensions for accessories in mm.



### Suitable Relays : P12N, P14N-2

### Approvals



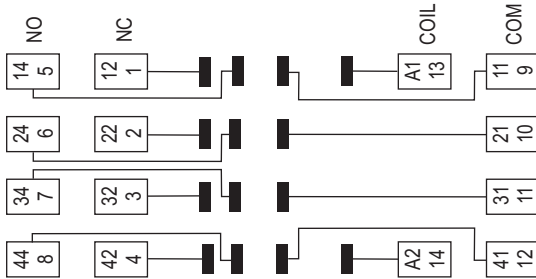


# S14D-R

Only  
**23 mm**  
WIDE

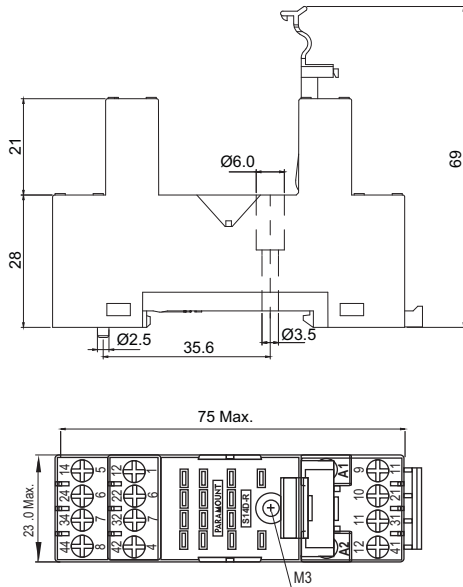
## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions

in mm.



### Specifications

Poles	4 Change Over Contact
Nominal load :	7A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
<b>Wire in-lets capacity:</b>	
Solid Wire	4 mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4 mm
Weight Approx.	61 gms.

### Other Aspects

- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label
- Hard Brass Tin Plated Terminals
- Brass Tin Plated Screw

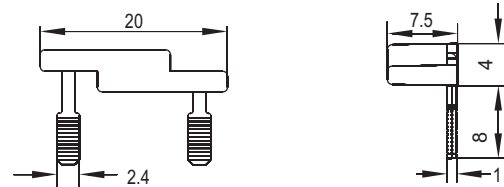
### Accessories - 1 (standard)



S14D-B1

### Dimensions for accessories - 1

in mm.

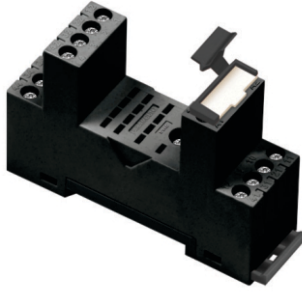


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

### Suitable Relays : P14N, P14N-S

### Approvals



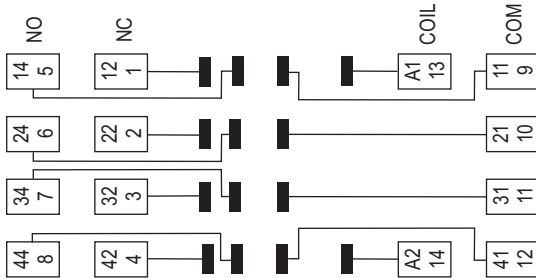


# S14D-R-E

Only  
**23 mm**  
WIDE

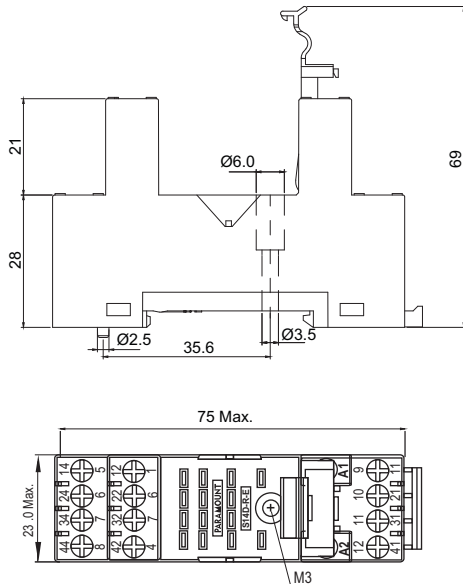
## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions

in mm.



### Specifications

Poles	4 Change Over Contact
Nominal load :	7A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
<b>Wire in-lets capacity:</b>	
Solid Wire	4 mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4 mm
Weight Approx.	61 gms.

### Other Aspects

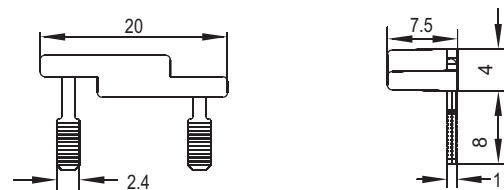
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label
- Hard Brass Tin Plated Terminals
- Brass Tin Plated Screw

### Accessories (on request)



### Dimensions for accessories

in mm.



S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

### Suitable Relays : P14N-E1, P14N-S-E1

### Approvals



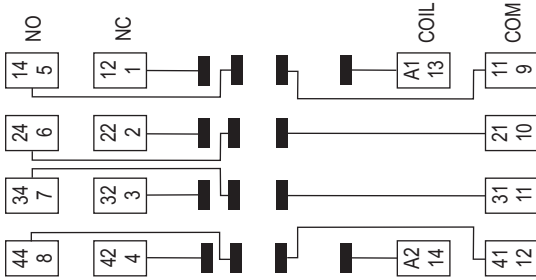


# S14LD-R

Only  
**28.7 mm**  
WIDE

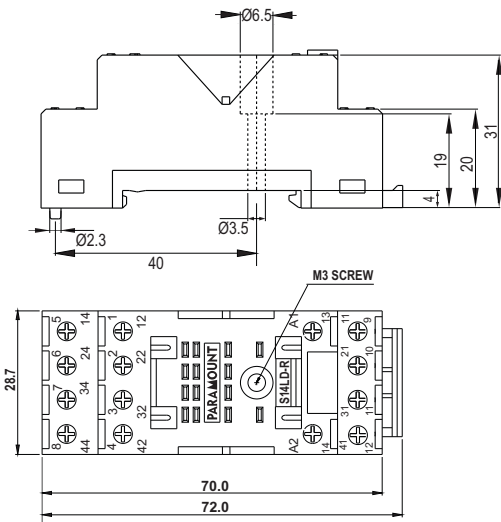
## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions

in mm.



### Accessories - 1 (standard)

Metal Clamp - R



### Accessories - 2 (on request)



### Specifications

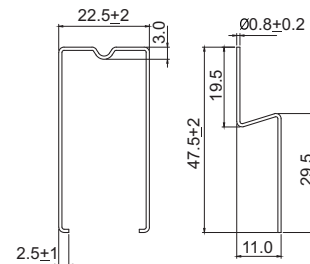
Poles	4 Change Over Contact
Nominal load :	7A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Poz
Weight Approx.	54 gms.

### Other Aspects

DIN Rail / Panel Mountable  
EN / DIN Sequential Numbering according to  
EN 60947 & IEC 61810  
Integrated Relay Hold Down Clip  
Removable White Marking Label

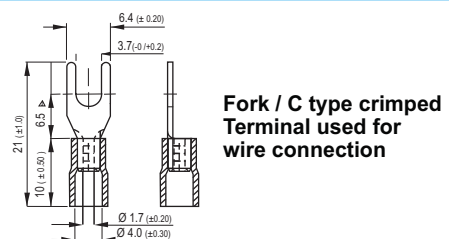
### Dimensions for accessories - 1

in mm.



### Dimensions for accessories - 2

in mm.

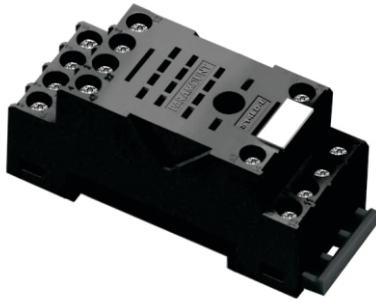


Fork / C type crimped  
Terminal used for  
wire connection

### Suitable Relays : P14N, P14N-S

### Approvals



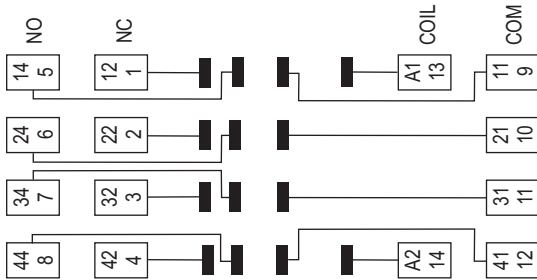


# S14LD-R-E

Only  
**28.7 mm**  
WIDE

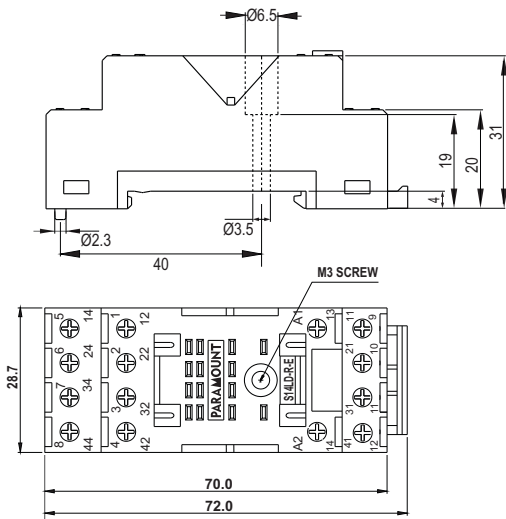
**DIN Rail or Panel Mountable Socket**

## Wiring Diagram



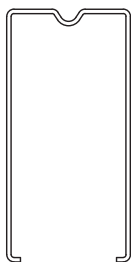
## Dimensions

in mm.



## Accessories - 1 (standard)

Metal Clamp - R



## Accessories - 2 (on request)



## Specifications

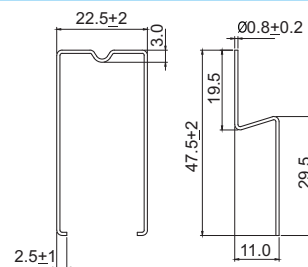
Poles	4 Change Over Contact
Nominal load :	7A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, PozI
Weight Approx.	54 gms.

## Other Aspects

- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

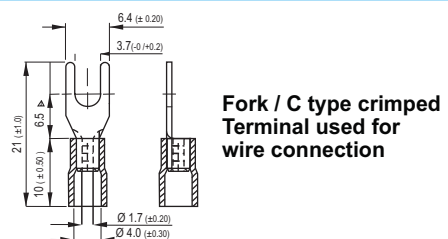
## Dimensions for accessories - 1

in mm.



## Dimensions for accessories - 2

in mm.

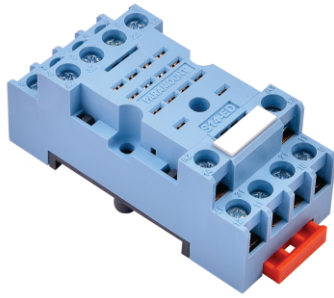


Fork / C type crimped Terminal used for wire connection

**Suitable Relays : P14N-E1, P14N-S-E1**

Approvals



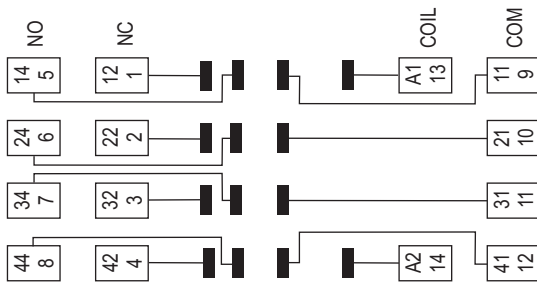


# S14ED-R

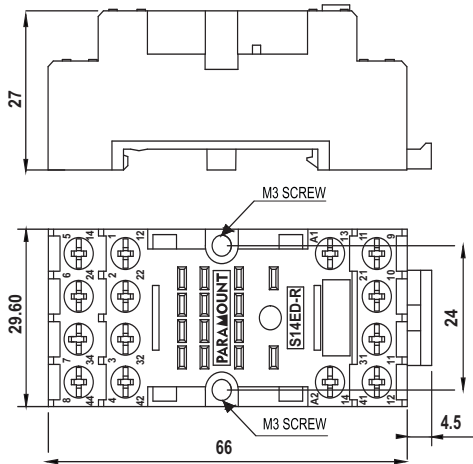
Only  
**29.6 mm**  
WIDE

## DIN Rail or Panel Mountable Socket

### Wiring Diagram

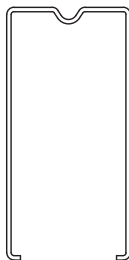


### Dimensions in mm.



### Accessories - 1 (standard)

Metal Clamp - R



### Accessories - 2 (on request)



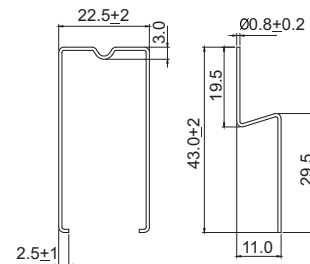
### Specifications

Poles	4 Change Over Contact
Nominal load :	7A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.2 5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

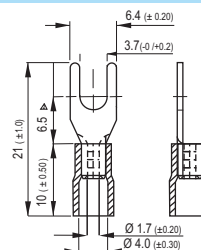
### Other Aspects

DIN Rail / Panel Mountable  
EN / DIN Sequential Numbering according to EN 60947 & IEC 61810  
Integrated Relay Hold Down Clip  
Removable White Marking Label

### Dimensions for accessories - 1 in mm.



### Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

### Suitable Relays : P14N, P14N-S

### Approvals



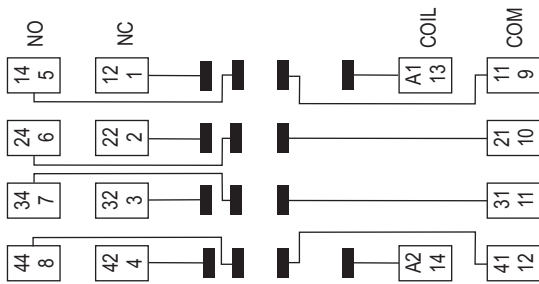


# S14ED-R-E

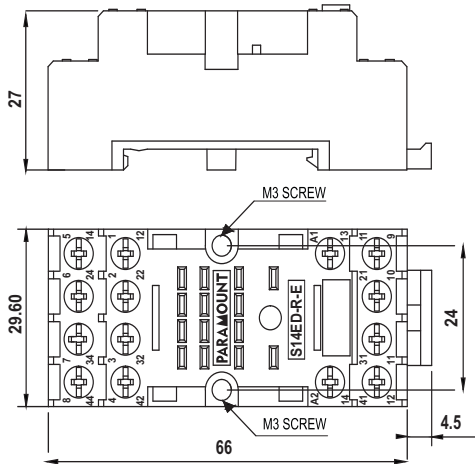
Only  
**29.6 mm**  
WIDE

## DIN Rail or Panel Mountable Socket

### Wiring Diagram



### Dimensions in mm.



### Specifications

Poles	4 Change Over Contact
Nominal load :	7A / 250 VAC
<b>Insulation</b> : Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.2 5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

### Other Aspects

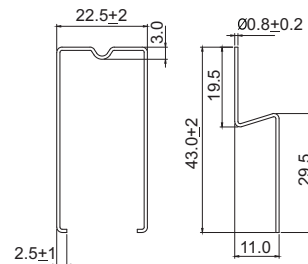
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

### Accessories - 1 (standard)

Metal Clamp - R



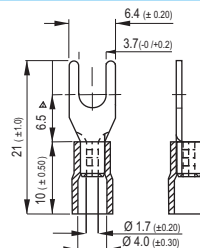
### Dimensions for accessories - 1 in mm.



### Accessories - 2 (on request)



### Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

### Suitable Relays : P14N, P14N-S

### Approvals

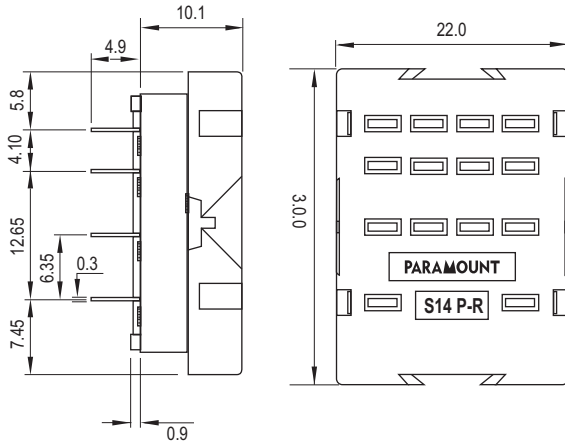




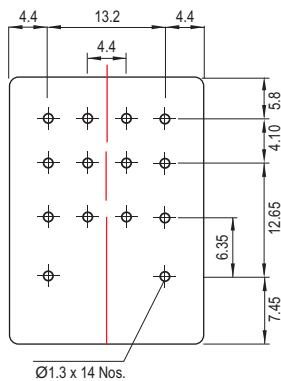
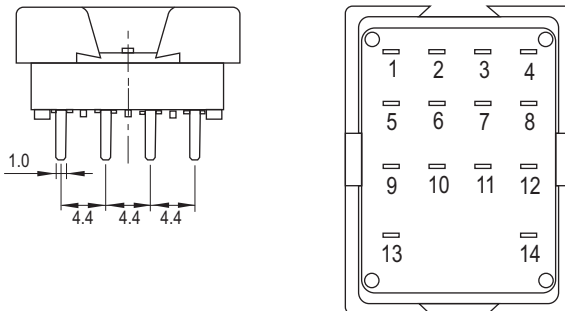
# S14P-R

## PCB Mountable Socket

### Dimensions in mm.



Terminal Arrangement (Bottom View)



Mounting Holes Tolerance  $\pm 0.1$

### Specifications

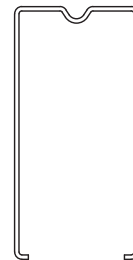
Poles	4 Change Over Contact
Nominal load :	7A / 300 VAC
Di-electric strength	2.5 KV
Number of pins	8 pins
Ambent Temp	-40C + 70C
Weight Approx	8 gms

### Other Aspects

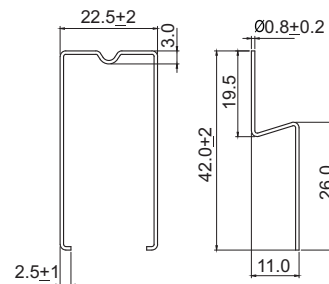
- PCB Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Hard Brass Tin Plated Terminals

### Accessories - (standard)

Metal Clamp - R



### Dimensions for accessories in mm.



### Suitable Relays : P14N, P14N-S

### Approvals



## Ordering Information for Relays

P14N---------

1    2    3    4    5    6    7    8    9

### 1 : Model Type

Blank : General purpose 4 Pole Relays

### 2 : Contact Form

Blank : 4 Change over  
2 : 2 Change over

### 3 : Features

Blank :  
F : Flag Indicator  
P : LED Indicator  
W : Free wheeling Diode for DC  
Z : Polarity Diode for DC (only for N, H)  
I : Manual and Lockable Push Button  
R : RC (110VAC / 230 VAC)  
B : Bridge Rectifier AC/DC (24/48)

### 4 : Special Rating

Blank : 6A Rating  
S : 7A Rating  
H : 5A Rating

### 5 : Special Types :-

L : Latching (Two coils with common negative)  
L2 : Latching (Two independent coils)

### 6 : Contact Material :-

Blank : AgNi  
1 : AgNi + 0.2 micron Gold plating  
2 : AgNi + 5.0 micron Gold plating

### 7 : Blank : UL Approved

E2 : NON UL

### 8 : Rated Coil Voltage

6 / 12 / 24 / 48 / 110 / 220 - VDC  
6 / 12 / 24 / 48 / 115 / 230 - VAC

### 9 : Coil Polarity

Blank : Standard (A1 +ve / A2 -ve)

H : Reverse (A1 -ve / A2 +ve)

## Ordering Information for Sockets for P14N Relays

<b>S14D-R</b>	Din Rail Mountable Socket	(UL Approved)	For General purpose 4 Pole Relays
<b>S14LD-R</b>	Din Rail Mountable Socket	(UL Approved)	For General purpose 4 Pole Relays
<b>S14ED-R</b>	Din Rail Mountable Socket	(UL Approved)	For General purpose 4 Pole Relays
<b>S12D-R</b>	Din Rail Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
<b>S12LD-R</b>	Din Rail Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
<b>S12ED-R</b>	Din Rail Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
<b>S14D-R-E</b>	Din Rail Mountable Socket	(NON UL)	For General purpose 4 Pole Relays
<b>S14LD-R-E</b>	Din Rail Mountable Socket	(NON UL)	For General purpose 4 Pole Relays
<b>S14ED-R-E</b>	Din Rail Mountable Socket	(NON UL)	For General purpose 4 Pole Relays
<b>S12D-R-E</b>	Din Rail Mountable Socket	(NON UL)	For General purpose 2 Pole Relays
<b>S12LD-R-E</b>	Din Rail Mountable Socket	(NON UL)	For General purpose 2 Pole Relays
<b>S12ED-R-E</b>	Din Rail Mountable Socket	(NON UL)	For General purpose 2 Pole Relays
<b>S12P-R</b>	PCB Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
<b>S14P-R</b>	PCB Mountable Socket	(UL Approved)	For General purpose 4 Pole Relays