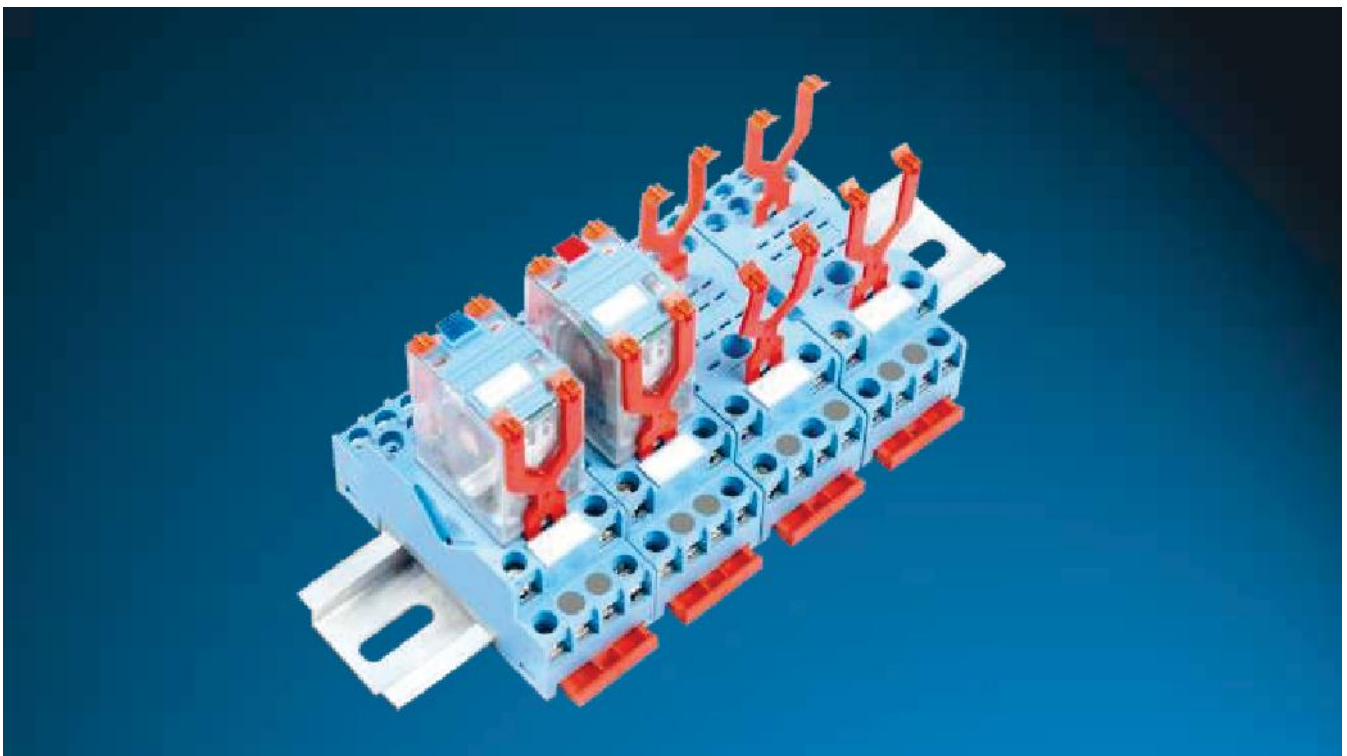
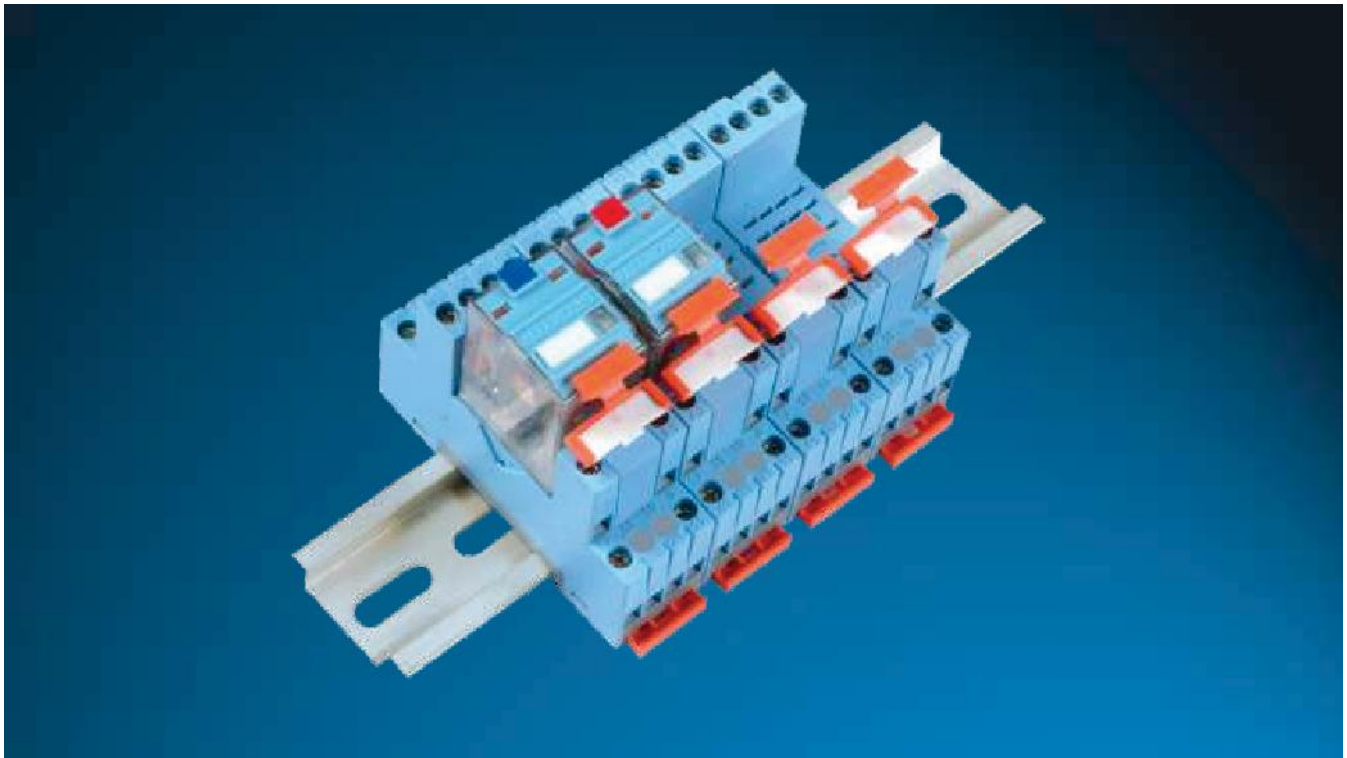


**PARAMOUNT**  
EXPECT MORE...

# Catalogue

Series P12



Benefits  
of the new



Marking Label for Relay numbering

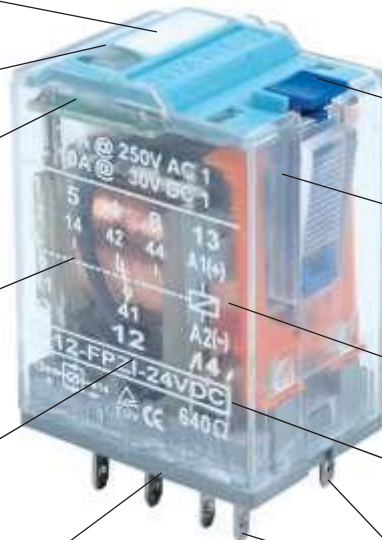
LED Indicator

In-Built Free Wheeling  
& Polarity Diode

AC 6V, 12V, 24V, 48V, 115V, 230V  
DC 6V, 12V, 24V, 48V, 110V, 220V

Part Number & Technical information  
marked on back side of the relay LED

Isolation between coil and contact 5KV



Colour coded Push Button according  
to coil voltage = DC Blue  
= AC Red

Mechanical Flag Indicator

Contact Rating  
Standard Contact : 10 A @ 250V AC1

Contact type : 2 Change Over Contact

Solid Brass Flat Pin

**P12 is a Two Pole Compact Industrial Plug In Relay with all the In-built Mechanical and Electronic Features.**

Color coded Push Button  
DC Blue & AC Red

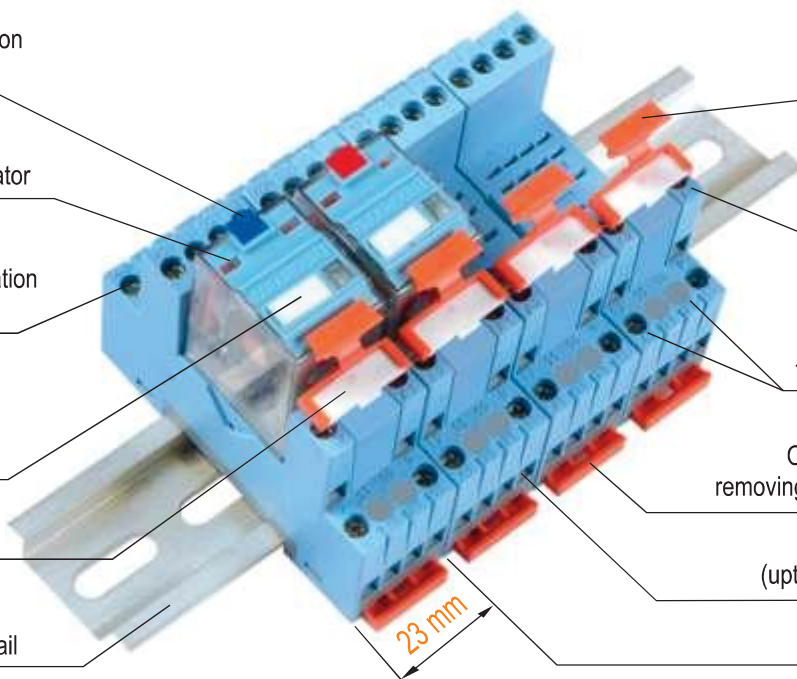
Mechanical Flag Indicator

Industrial size combination  
screws (M3)

Relay Marking Label

Socket Marking Label

Standard 35mm DIN rail



Inbuilt easy to  
use Retainer Clips

Coil Terminals  
(13, A1 +ve), (14, A2 -ve)

Clearly visible terminal  
numbering according  
to DIN & EURO standards

Orange Back Cover clip for  
removing socket from the DIN Rail

Large wire inlets  
(upto 4sq mm) for easy wiring

Socket width 23 mm

**S12D is a Two Pole Touch Protected Socket.**

Benefits  
of the new



Marking Label for Relay numbering

LED Indicator

In-Built Free Wheeling  
& Polarity Diode

AC 6V, 12V, 24V, 48V, 115V, 230V  
DC 6V, 12V, 24V, 48V, 110V, 220V

Part Number & Technical information  
marked on back side of the relay LED

Isolation between coil and contact 5KV



Colour coded Push Button according  
to coil voltage = DC Blue  
= AC Red

Mechanical Flag Indicator

Contact Rating  
Standard Contact : 10 A @ 250V AC1

Contact type : 2 Change Over Contact

Solid Brass Flat Pin

**P12 is a Two Pole Compact Industrial Plug In Relay with all the In-built Mechanical and Electronic Features.**

Color coded Push Button  
DC Blue & AC Red

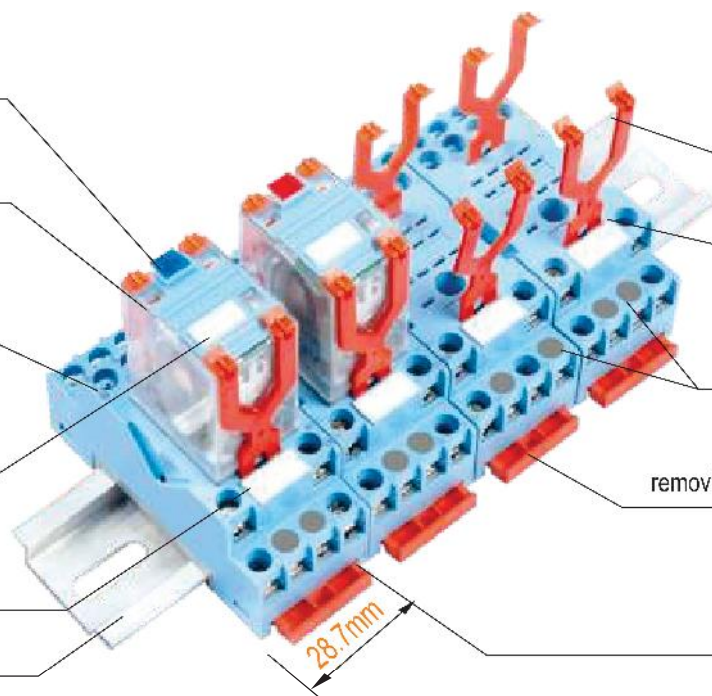
Mechanical Flag Indicator

Industrial size combination  
screws (M3)

Relay Marking Label

Socket Marking Label

Standard 35mm DIN rail



Inbuilt easy to  
use Retainer Clips

Coil Terminals  
(13, A1 +ve), (14, A2 -ve)

Clearly visible terminal  
numbering according  
to DIN & EURO standards

Orange Back Cover clip for  
removing socket from the DIN Rail

Socket width 28.7mm

**S12LD is a Two Pole Touch protected Socket.**



# P12 Relay

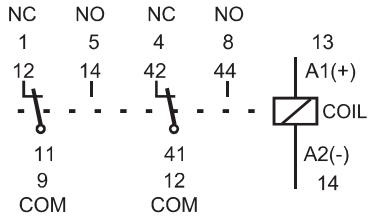


**2 Pole, Change-Over Contacts**

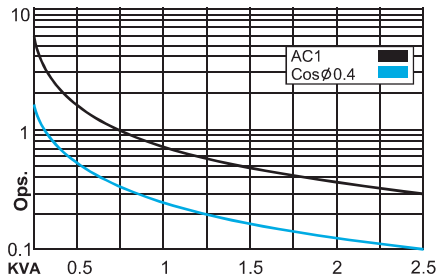
**10 A 250V AC1 50Hz**

**10 A 30V DC1**

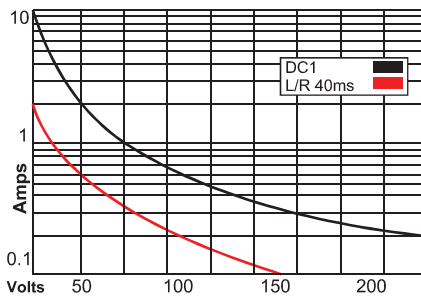
## Pin configuration for P12



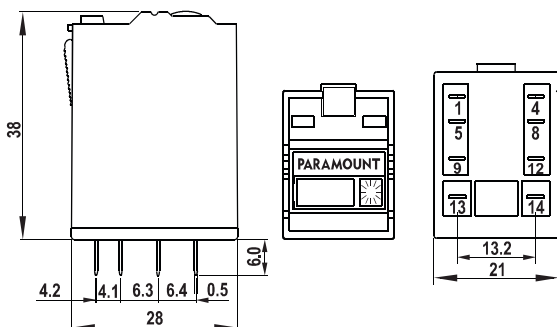
## Graph 1 Electrical life, ops x 10<sup>6</sup>



## Graph 2 Max. DC load



## Dimensions in mm.



## Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

## 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		VDC	
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	
Between adjacent poles	2.5 KV
Between Contacts & Coil	2.5KV
Insulation resistance at 500V	>3GΩ
Isolation, IEC 61810-5:	2.5KV / 3

## Specifications

Operate Time + Bounce Time	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

## Standard Types

### Standard Types

AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)

F = Mechanical Flag Indicator  
P = LED Indicator  
C = Test to Push Button  
I = Lockable Push Button  
R = RC Snubber circuit (115 or 230V)

DC : 6, 12, 24, 48, 110, 220

F = Mechanical Flag Indicator  
P = LED  
W = Free Wheeling Diode  
Z = Polarity & Free Wheeling Diode  
C = Test to Push Button  
I = Lockable Push Button  
B = AC/DC Bridge Rectifier (24/48V)

P12-F .... VAC  
P12-FP .... VAC  
P12-FPC .... VAC  
P12-FPI .... VAC  
P12-FPIR .... VAC

P12-F .... VDC  
P12-FPW .... VDC  
P12-FPZ .... VDC  
P12-FPZC .... VDC  
P12-FPZI .... VDC  
P12-FPIB .... VDC

## Suitable Sockets : S12D, S12LD, S12P

## Approvals





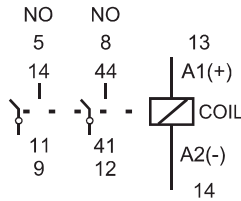
# P12 - 2A

**Compact Plug In Relay, 2NO Contacts**

**10 A 250V AC1      10A 30VDC DC1**



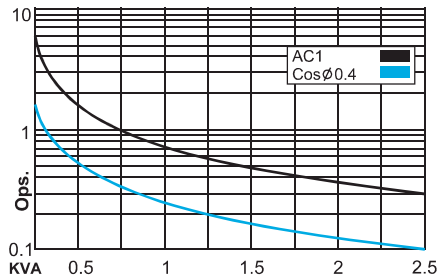
## Pin configuration



## Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

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

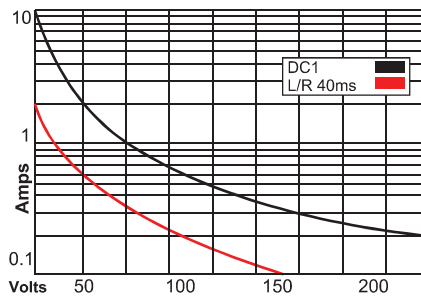


## Coils (Ohms ± 10% @ 20°C)

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

## Graph 2 Max. DC load



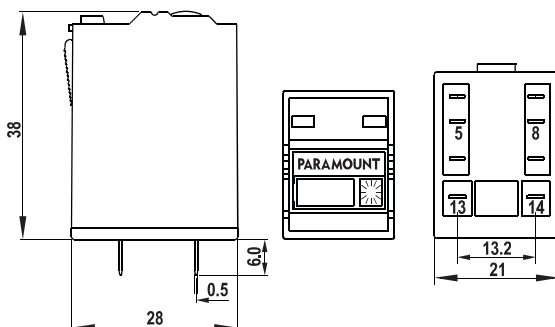
## Insulation

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	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

## Dimensions in mm.



## Standard Types

<b>AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)</b>	
F = Mechanical Flag Indicator	<b>P12-2A-F</b> .... VAC
P = LED Indicator	<b>P12-2A-FP</b> .... VAC
R = RC Snubber circuit (115 or 230V)	<b>P12-2A-FPR</b> .... VAC
<b>DC : 6, 12, 24, 48, 110, 220</b>	
F = Mechanical Flag Indicator	<b>P12-2A-F</b> .... VDC
P = LED	<b>P12-2A-FP</b> .... VDC
W =Free Wheeling Diode	<b>P12-2A-FPW</b> .... VDC
Z = Polarity & Free Wheeling Diode	<b>P12-2A-FPZ</b> .... VDC
B = AC/DC Bridge Rectifier (24/48V)	<b>P12-2A-FPB</b> .... VDC

## Suitable Sockets : S12D-YA, S12LD-YA, S12P

## Approvals



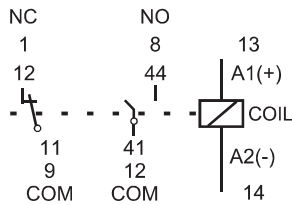


# P12 - X



**Compact Plug In Relay, 1NO + 1NC Contacts**  
**10 A 250V AC1                      10A 30VDC DC1**

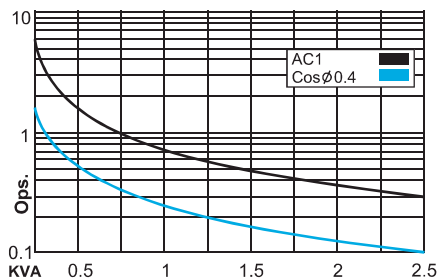
## Pin configuration



## Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

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

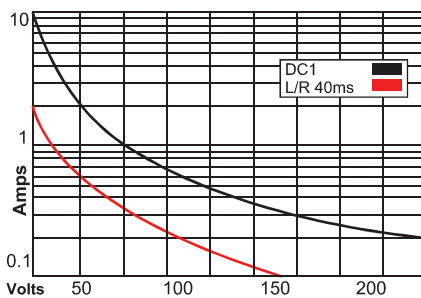


## Coils (Ohms ± 10% @ 20°C)

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

## Graph 2                      Max. DC load



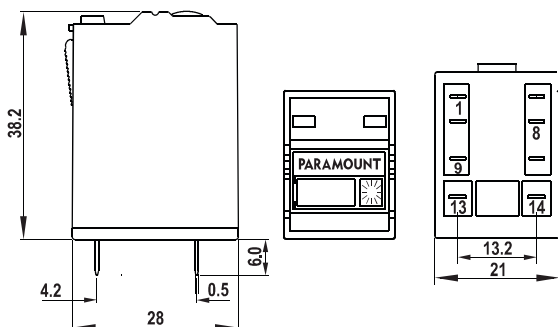
## Insulation

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	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

## Dimensions                      in mm.



## Standard Types

<b>AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)</b>	
F = Mechanical Flag Indicator	<b>P12-X-F</b> .... VAC
P = LED Indicator	<b>P12-X-FP</b> .... VAC
R = RC Snubber circuit (115 or 230V)	<b>P12-X-FPR</b> .... VAC
<b>DC : 6, 12, 24, 48, 110, 220</b>	
F = Mechanical Flag Indicator	<b>P12-X-F</b> .... VDC
P = LED	<b>P12-X-FP</b> .... VDC
W = Free Wheeling Diode	<b>P12-X-FPW</b> .... VDC
Z = Polarity & Free Wheeling Diode	<b>P12-X-FPZ</b> .... VDC
B = AC/DC Bridge Rectifier (24/48V)	<b>P12-X-FPB</b> .... VDC

## Suitable Sockets : S12D-X, S12LD-X, S12P

## Approvals



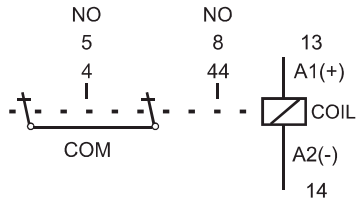


# P12 - Y

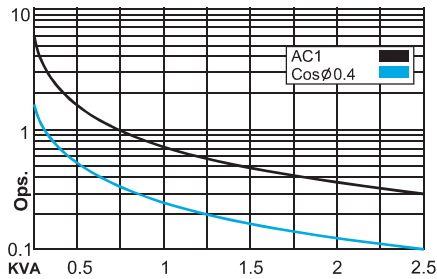


**Compact Plug In Relay, 1NO Double Break**  
**10 A 250V AC1      10A 30VDC DC1**

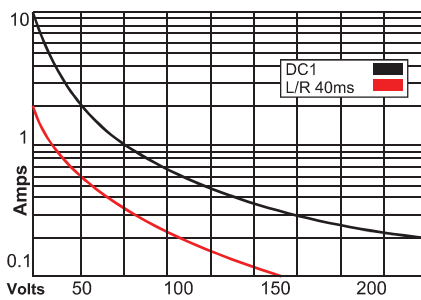
## Pin configuration



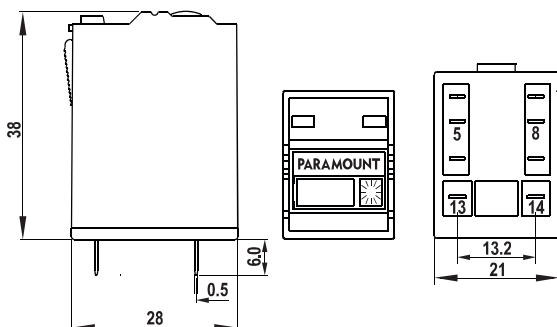
## Graph 1 Electrical life, ops x 10<sup>6</sup>



## Graph 2 Max. DC load



## Dimensions in mm.



## Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

## 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		VDC	
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	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

## Standard Types

<b>AC : 50Hz 6, 12, 24, 48, 115, (120), 230, (240)</b>	
F = Mechanical Flag Indicator	P12-Y-F .....VAC
P = LED Indicator	P12-Y-FP .....VAC
R = RC Snubber circuit (115 or 230V)	P12-Y-FPR .....VAC
<b>DC : 6, 12, 24, 48, 110, 220</b>	
F = Mechanical Flag Indicator	P12-Y-F .....VDC
P = LED	P12-Y-FP .....VDC
W = Free Wheeling Diode	P12-Y-FPW .....VDC
Z = Polarity & Free Wheeling Diode	P12-Y-FPZ .....VDC
B = AC/DC Bridge Rectifier (24/48V)	P12-Y-FPB .....VDC

## Suitable Sockets : S12D-YA, S12LD-YA, S12P

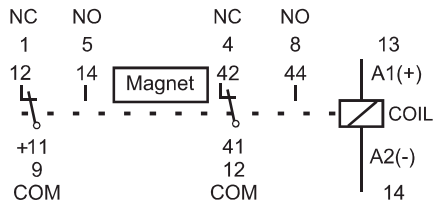


# P12.....M



**DC Switching Relay, 2CO Contacts**  
**10 A 250V AC1                      5 A 220VDC 1**  
**10 A 30V DC1**

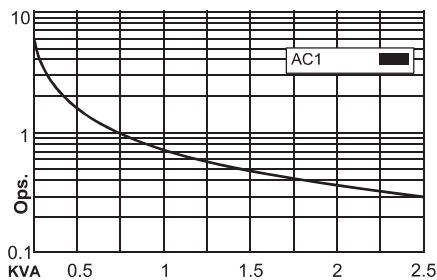
## Pin configuration



## Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

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

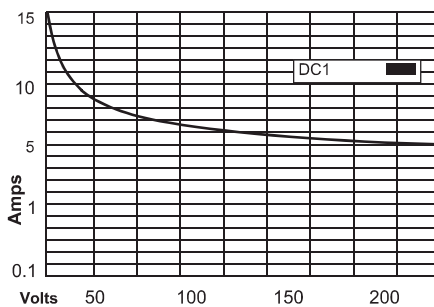


## Coils (Ohms ± 10% @ 20°C)

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

## Graph 2 Max. DC load



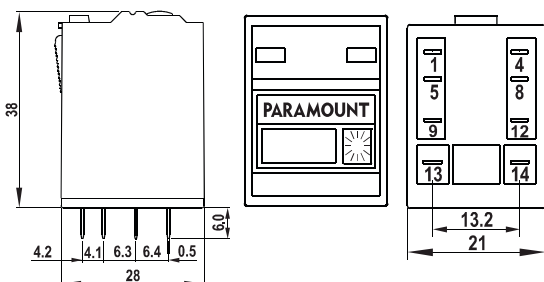
## Insulation

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	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

## Dimensions in mm.



## Standard Types

<b>AC : 50Hz : 6, 12, 24, 48, 115 (120), 230 (240)</b>	
<b>M</b> = Magnetic Blow Out	
<b>P</b> = LED Indicator	<b>P12-PM</b> .... VAC
<b>R</b> = RC Snubber circuit (115 or 230V)	<b>P12-PRM</b> .... VAC
<b>DC : 6, 12, 24, 48, 110, 220</b>	
<b>P</b> = LED	<b>P12-PM</b> .... VDC
<b>W</b> = Free Wheeling Diode	<b>P12-PMW</b> .... VDC
<b>Z</b> = Polarity & Free Wheeling Diode	<b>P12-PZM</b> .... VDC
<b>B</b> = AC/DC Bridge Rectifier (24/48V)	<b>P12-PBM</b> .... VDC

## Suitable Sockets : S12D, S12LD, S12P, S8ED



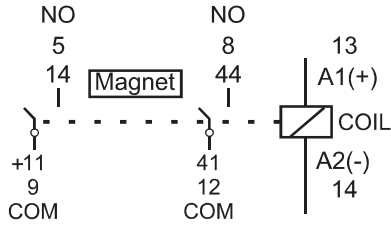


# P12-A....M



**DC Switching Relay, 2NO Contacts**  
**10 A 250V AC1      10 A 220VDC 1**  
**10 A 30V DC1**

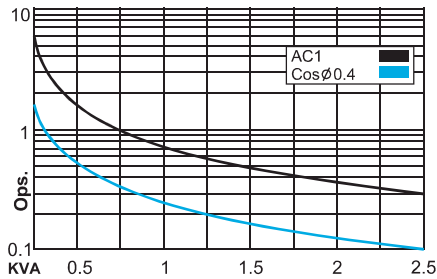
## Pin configuration



## Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

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

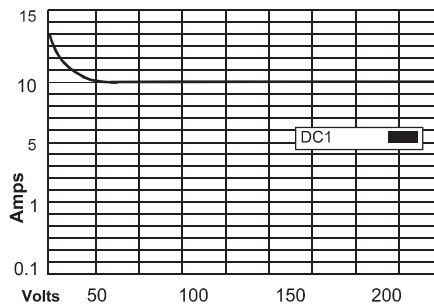


## Coils (Ohms ± 10% @ 20°C)

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

## Graph 2 Max. DC load



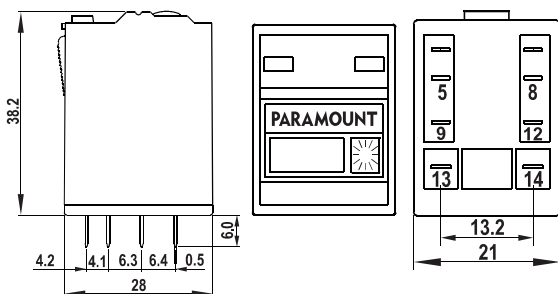
## Insulation

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	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

## Dimensions in mm.



## Standard Types

AC : 50Hz 6, 12, 24, 48, 115, (120), 230, (240)

F = Mechanical Blow Out  
P = LED Indicator  
R = RC Snubber circuit (115 or 230V)

P12-A-PM .....VAC  
P12-A-PRM .....VAC

DC : 6, 12, 24, 48, 110, 220

P = LED  
W = Free Wheeling Diode  
Z = Polarity & Free Wheeling Diode  
B= AC/DC Bridge Rectifier (24/48V)

P12-A-PM .....VDC  
P12-A-PWM .....VDC  
P12-A-PZM .....VDC  
P12-A-PBM .....VDC

## Suitable Sockets : S12D-YA, S12LD, S12P, S8ED

## Approvals



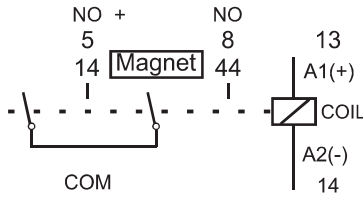


# P12-Y....M



**DC Switching Relay, 1NO Double Break**  
**10 A 250V AC1                      5 A 220VDC 1**  
**10 A 30V DC1**

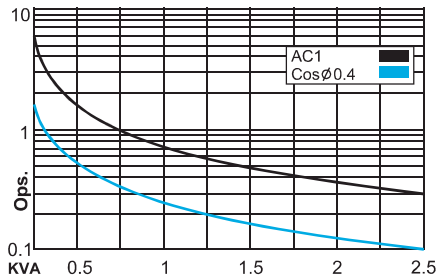
### Pin configuration



### Contacts

Materials:	Standard	AgNi
Max. switching current		10 A
Max. Peak inrush current (20 ms.)		30 A
Max. Switching voltage		250 V
Max. AC load (Table 1)		2.5 KVA
Max. DC load (Table 1)		Graph 2

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

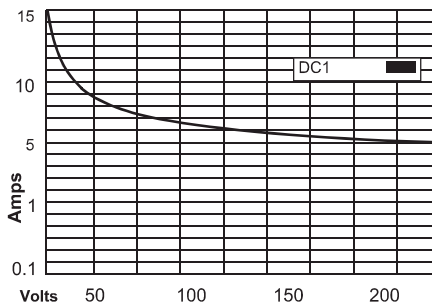


### Coils (Ohms ± 10% @ 20°C)

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

**Graph 2** Max. DC load



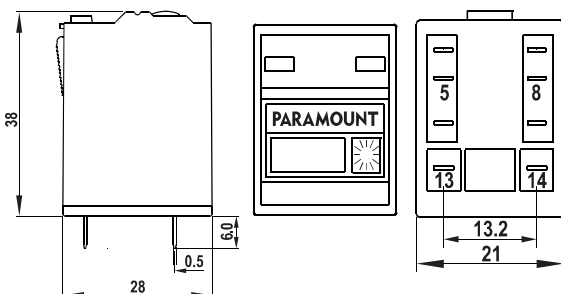
### Insulation

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	16 ms.
Release Time + Bounce Time	8 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.
Operating frequency at nominal load	1,200 / hour
Protection degree	IP40 / RT1
Weight avg.	43 grs.

### Dimensions in mm.



### Standard Types

AC : 50Hz 6, 12, 24, 48, 115, (120), 230, (240)

F = Mechanical Blow Out  
P = LED Indicator  
R = RC Snubber circuit (115 or 230V)

P12-Y-PM .....VAC  
P12-Y-PRM .....VAC

DC : 6, 12, 24, 48, 110, 220

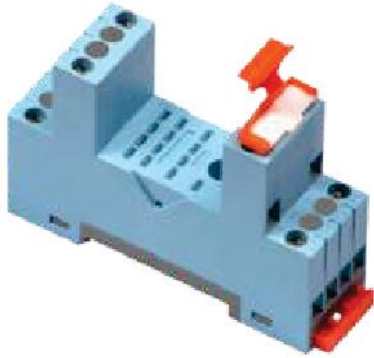
P = LED  
W = Free Wheeling Diode  
Z = Polarity & Free Wheeling Diode  
B = AC/DC Bridge Rectifier (24/48V)

P12-Y-PM .....VDC  
P12-Y-PWM .....VDC  
P12-Y-PZM .....VDC  
P12-Y-PBM .....VDC

### Suitable Sockets : S12D-YA, S12LD-YA, S12P, S8ED

### Approvals



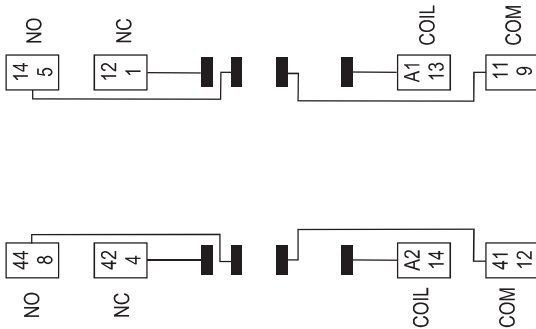


# S12D

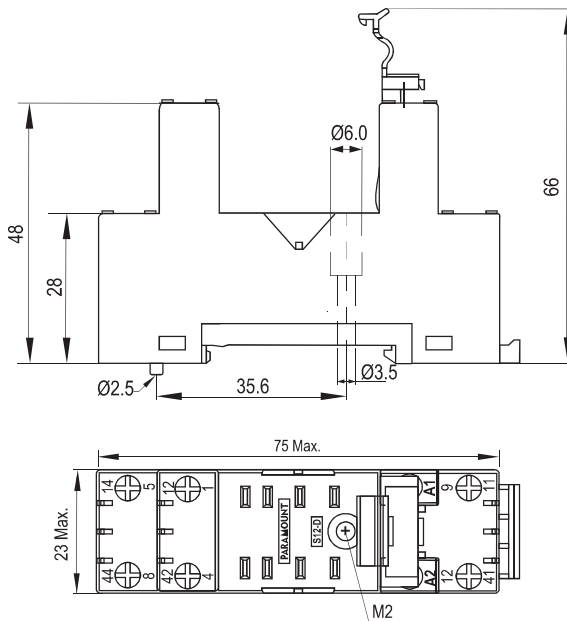
Only  
**23.0 mm**  
WIDE

**Socket for P12 Relays [10 A] DIN Rail  
or Panel Mountable**

## Wiring Diagram



## Dimensions in mm.

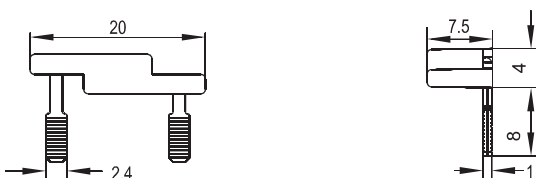


## Accessories



S14D-B1

## Dimensions in mm.



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

## Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 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, Pozzi
<b>Wire in-lets capacity:</b>	
Solid Wire	4sq mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4sq 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

Bridge S14D-B1 for coil terminal

## Approvals



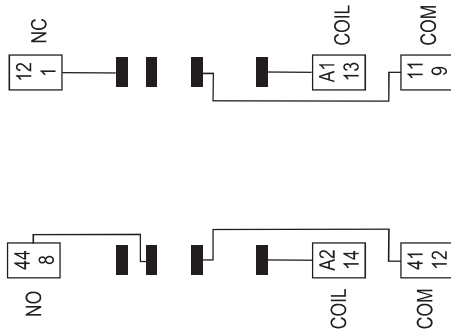


# S12D-X

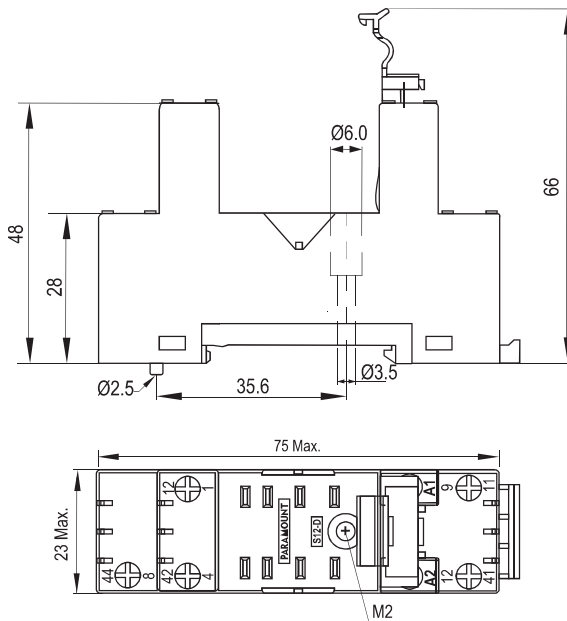
Only  
**23.0 mm**  
WIDE

**Socket for P12 Relays INO+INC DIN Rail or Panel Mountable**

## Wiring Diagram



## Dimensions in mm.

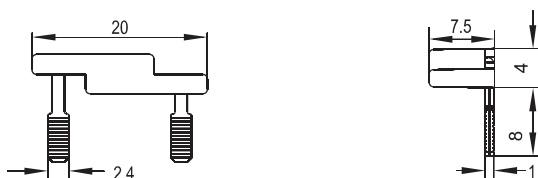


## Accessories



S14D-B1

## Dimensions in mm.



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

## Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 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	4sq mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4sq 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

Bridge S14D-B1 for coil terminal

## Approvals



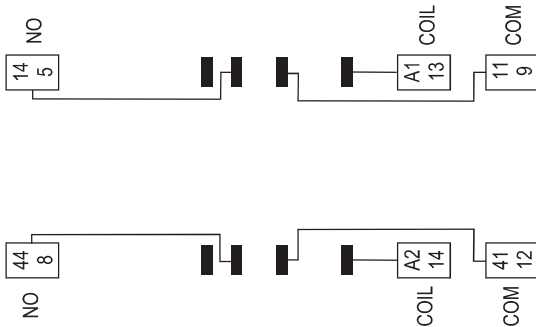


# S12D-YA

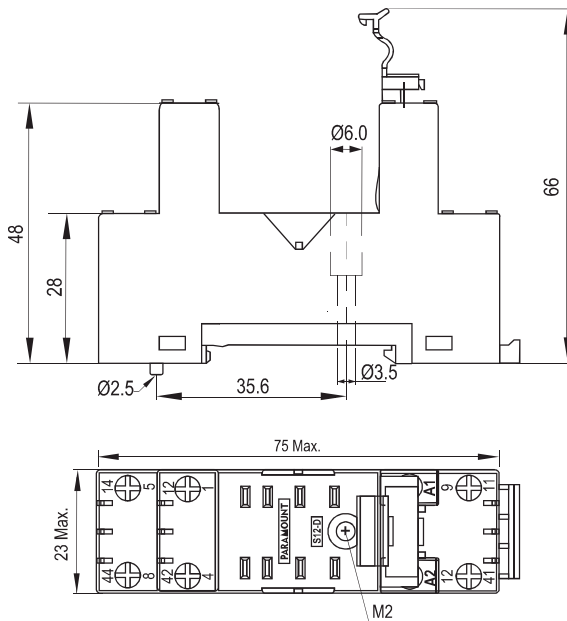
Only  
**23.0 mm**  
WIDE

**Socket for P12 Relays INO+INC DIN Rail or Panel Mountable**

## Wiring Diagram



## Dimensions in mm.

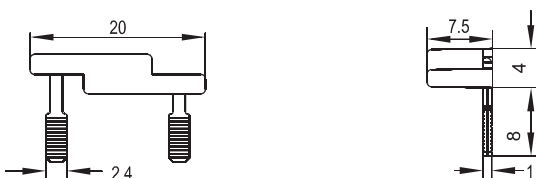


## Accessories



S14D-B1

## Dimensions in mm.



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

## Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 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, Pozzi
<b>Wire in-lets capacity:</b>	
Solid Wire	4sq mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4sq 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

Bridge S14D-B1 for coil terminal

## Approvals



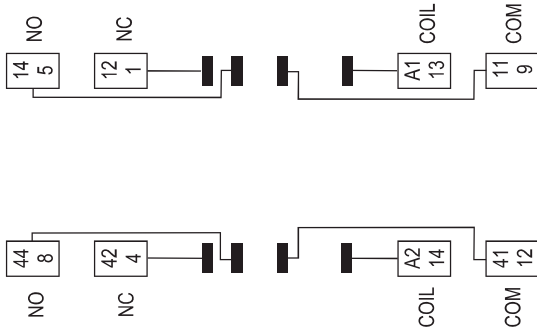


# S12LD

Only  
**28.7 mm**  
WIDE

**Socket for P12 Relays [10 A] DIN Rail  
or Panel Mountable**

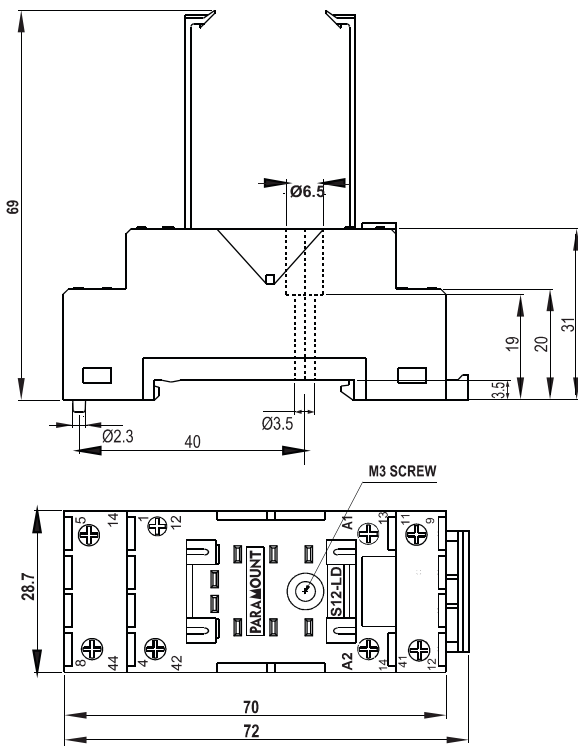
## Wiring Diagram



## Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.25 KV
Between adjacent terminals	2.5 KV
Weight Approx.	61 gms.
Max Screw torque	0.6 Nm
Screw Dimensions	M3, P02

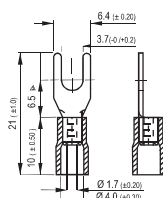
## Dimensions in mm.



## 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



Fork / C type crimped Terminal used for wire connection

## Accessories

Fork / C - Terminal for Wire connection (Only 1No to be used)

## Suitable Sockets : P12, P12M

## Approvals



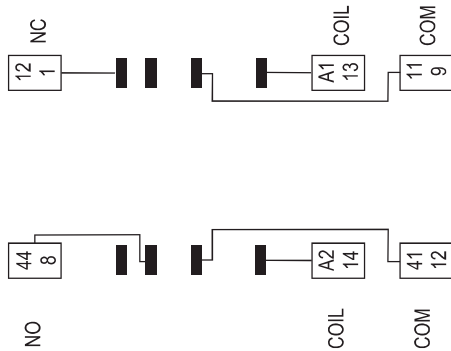


# S12LD-X

Only  
**28.7 mm**  
WIDE

**Socket for P12 Relays INO+INC DIN Rail  
or Panel Mountable**

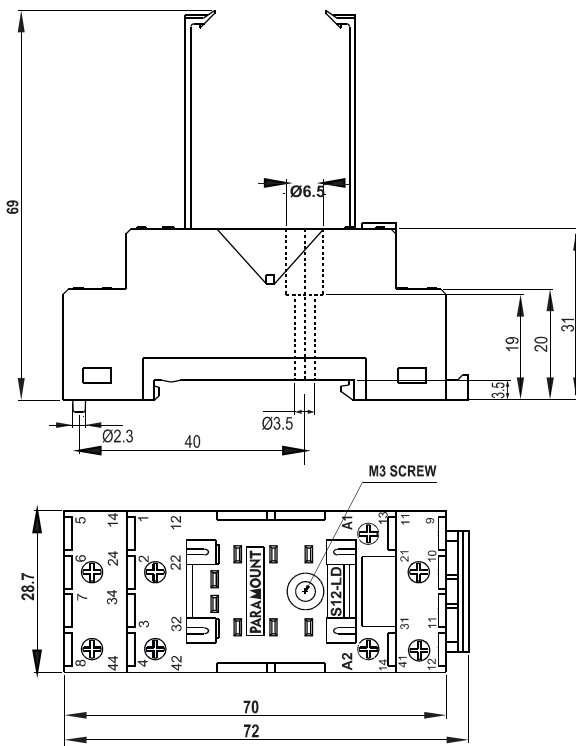
## Wiring Diagram



## Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.25 KV
Between adjacent terminals	2.5 KV
Weight Approx.	61 gms.

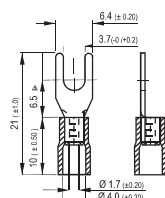
## Dimensions in mm.



## 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



Fork / C type crimped Terminal used for wire connection

## Accessories

Fork / C - Terminal for Wire connection (Only 1No to be used)

## Suitable Sockets : P12, P12M

## Approvals



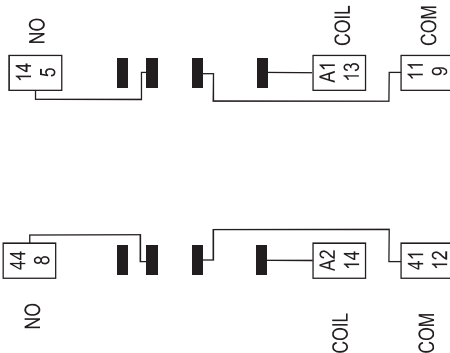


# S12LD-YA

Only  
**28.7 mm**  
WIDE

**Socket for P12 Relays 2 No & INo Double Break DIN Rail or Panel Mountable**

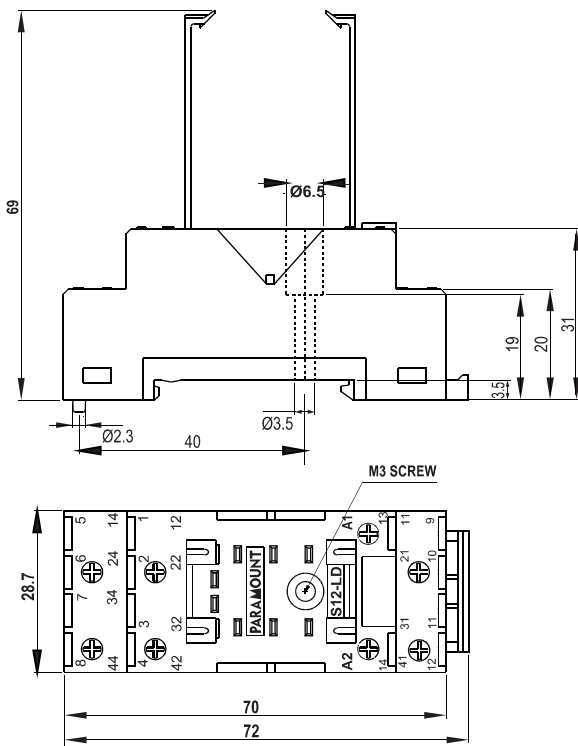
## Wiring Diagram



## Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 250 VAC
<b>Insulation:</b> Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.25 KV
Between adjacent terminals	2.5 KV
Weight Approx.	61 gms.

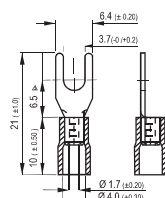
## Dimensions in mm.



## 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



Fork / C type crimped Terminal used for wire connection

## Accessories

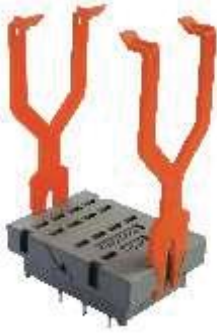
Fork / C - Terminal for Wire connection (Only 1No to be used)

**Suitable Sockets : P12-A, P12-Y, P12-A-M, P12-Y-M**

## Approvals





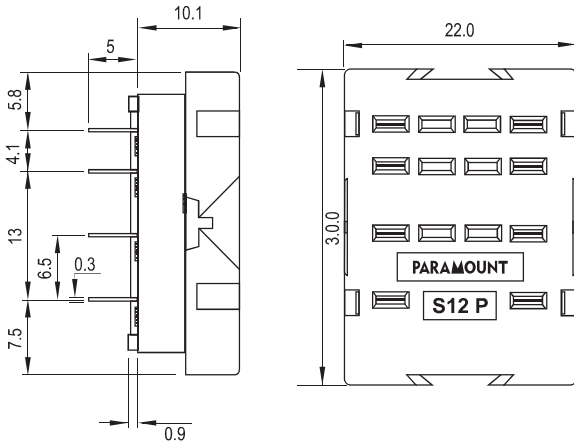


# S12P

Only  
**28.7 mm**  
WIDE

## PCB Mountable Socket for P12 [10A]

### Dimensions in mm.



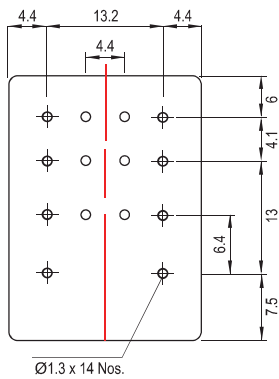
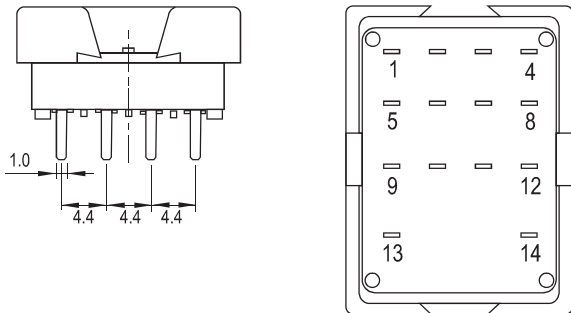
### Specifications

Poles	2 Change Over Contact
Nominal load :	10A / 300 VAC
Di-electric strength	2.5 KV
Number of pins	8 pins
Ambient 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

### Terminal Arrangement (Bottom View)



Mounting Holes Tolerance  $\pm 0.1$

### Approvals



## Ordering Information

P12-  -  -  -  -  -  -   
           1      2      3      4      5      6      7

### 1. Relay Type

Blank : General Purpose 2 Pole Relay

### 2. Contact Form

Versions available

2 : DPT (2C/O)  
 2A : 2 NO  
 Y : 1 NO Double Break  
 Refer note "a"

### 3. Contact Type

Blank : Single  
 T : Twin Contact  
 Refer note "b"

### 4. Features

F : Mechanical operation Indicator  
 P : LED Indicator  
 Z : Free Wheeling + Polarity Diode  
 I : Lockable & Manual Push Button  
 B : Bridge Rectifier  
 R : RC circuit

### 5. Special Types

Blank : Standard  
 Refer note "c"

### 6. Contact Material

Blank : AgNi  
 1. : AgNi + Au 0.2  $\mu$  (only for Twin contacts)  
 2. : AgNi + Au 5.0  $\mu$  (only for Twin contacts)

### 7. Rated Coil Voltage

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

### NOTE:-

- a. : The Magnetic Blow Out Relays are available for all the 3 versions
- b. : Twin Contact are available only for 2C/O DPDT
- c. : For Current coil please specify AC/DC coil current in place of coil voltage & Standard Frequency is 50 Hz for AC coil, for other frequency please specify frequency after coil voltage