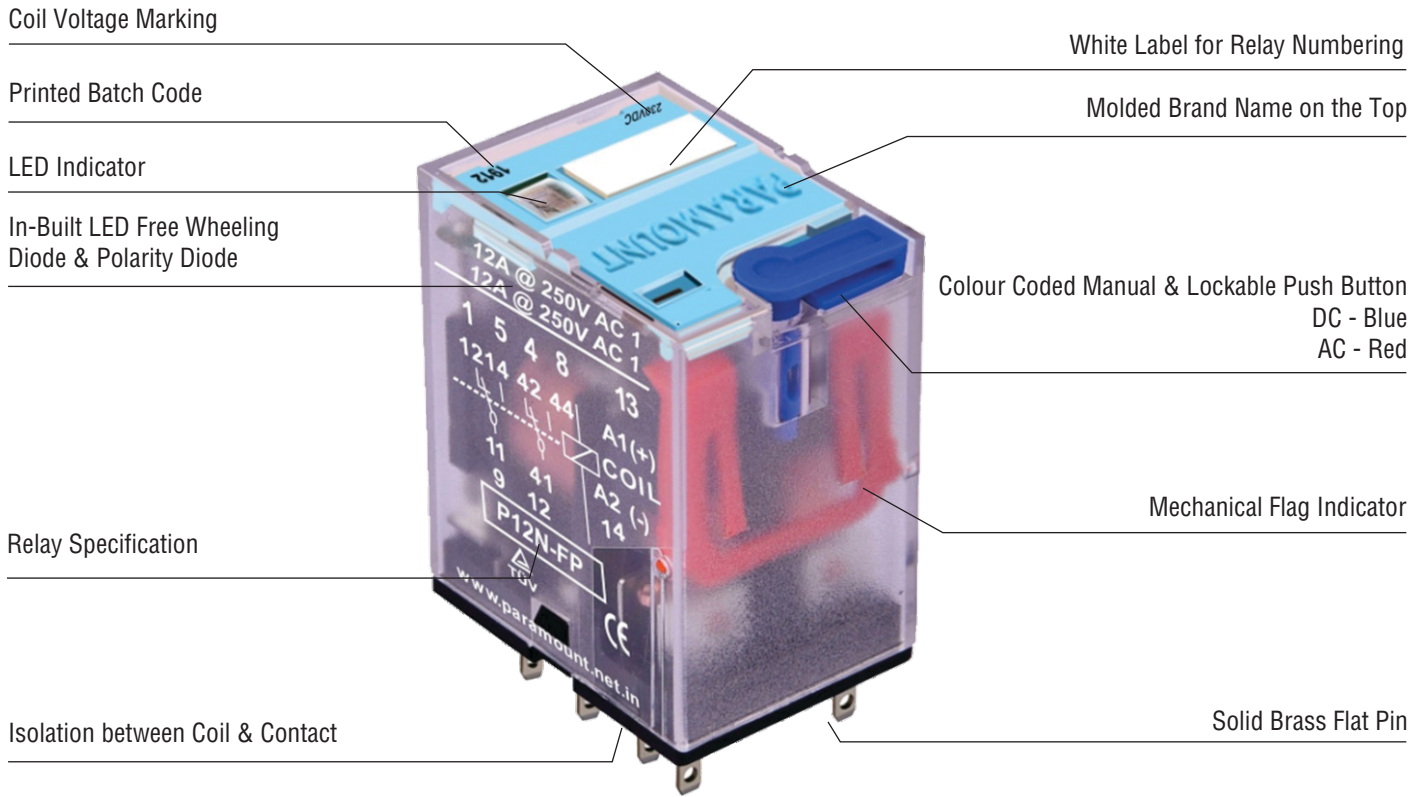


Catalogue

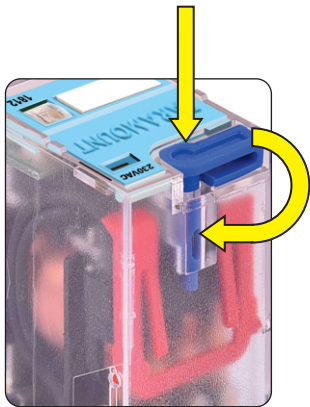
Series P12 N



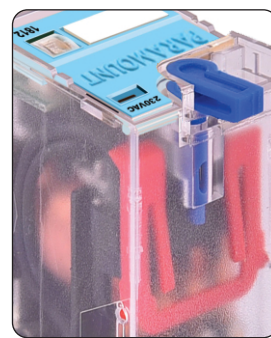
P12 N FEATURES



OPERATION FOR MANUAL AND LOCKABLE PUSH BUTTON

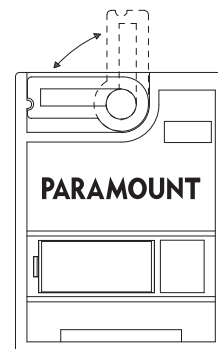
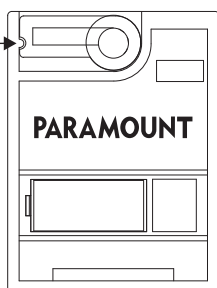


Press the Slot on Top with the help of Screw Driver for Manual Lock



Turn the button 90 Degree for Activating the Lockable Button

Mechanically Lock the Lockable Button in the OFF Position





P12N Relay

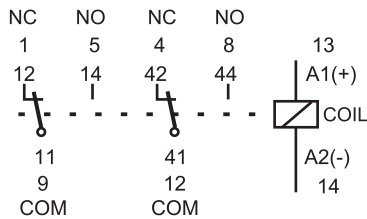
General Purpose Relays

2 Pole, Change-Over Contacts

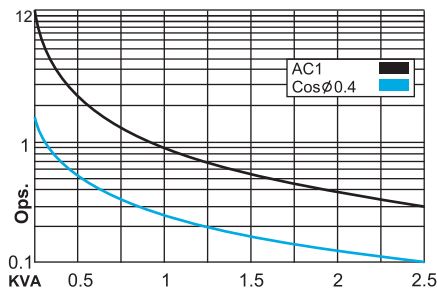
12 A 250V AC1 50Hz 12 A 30V DC1



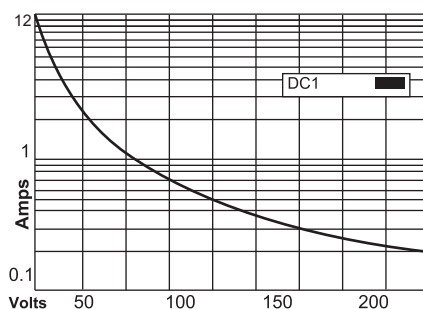
Pin configuration for P12N



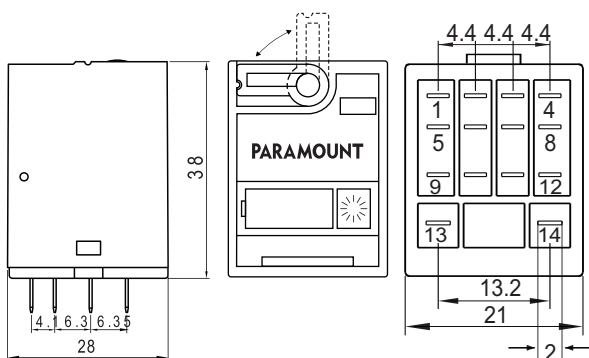
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials :	Standard	AgNi
	Code 1	AgNi + 0.2 Au plating
	Code 2	AgNi + 5.0 Au plating
Max. switching current		12 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	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
Insulation resistance at 500V	2.5KV / 3
Isolation, IEC 61810-5 :	

Specifications

Operate Time + Bounce Time	10 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

AC : 50Hz : 6, 12, 24, 48, 115, (120, 60Hz), 230 (240, 60Hz)	
F = Mechanical Flag Indicator	P12N-F VAC
P = LED Indicator	P12N-FP VAC
C = Test to Push Button	P12N-FPC VAC
I = Lockable Push Button	P12N-FPI VAC
R = RC Snubber circuit (115 or 230V)	P12N-FPIR VAC
DC : 6, 12, 24, 48, 110, 220	
F = Mechanical Flag Indicator	P12N-F VDC
P = LED	P12N-FP VDC
W = Free Wheeling Diode	P12N-FPW VDC
Z = Polarity & Free Wheeling Diode	P12N-FPZ VDC
C = Test to Push Button	P12N-FPZC VDC
I = Lockable Push Button	P12N-FPZI VDC
B = AC/DC Bridge Rectifier (24/48V)	P12N-FPIB VDC

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



P12N-A

General Purpose Relays

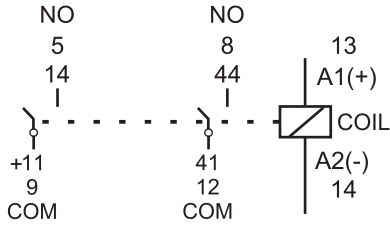
2NO Contacts

12 A 250V AC1

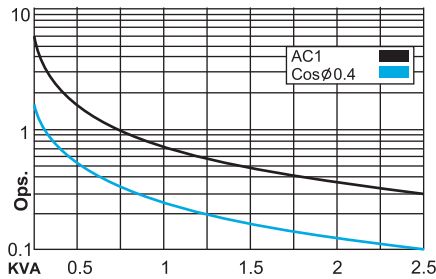
12 A 30V DC1



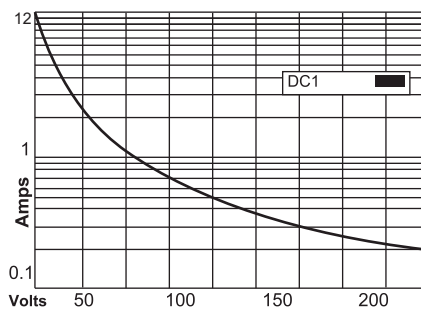
Pin configuration



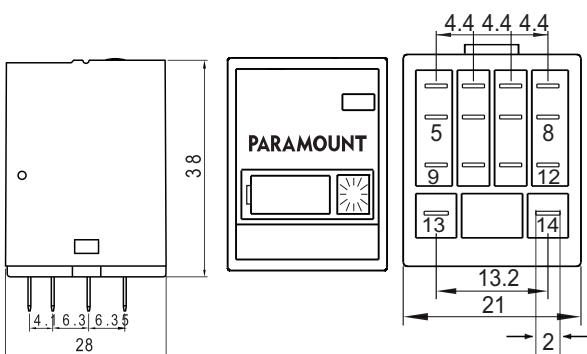
Graph 1 Electrical life, ops x 10⁶



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials:	Standard	AgNi
Max. switching current		12 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

AC : 50Hz : 6, 12, 24, 48, 115, (120, 60Hz), 230 (240, 60Hz)

F = Mechanical Blow Out

P = LED Indicator

R = RC Snubber circuit (115 or 230V)

P12N-A-PVAC

P12N-A-PRVAC

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)

P12N-A-PVDC

P12N-A-PWVDC

P12N-A-PZVDC

P12N-A-PBVDC

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

Approvals





P12N-X

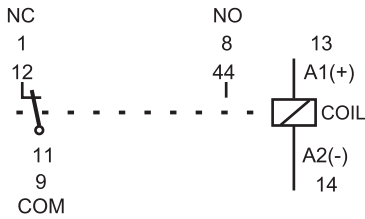
General Purpose Relays

1 NO + 1 NC Contact

12 A 250V AC1 12 A 30V DC1



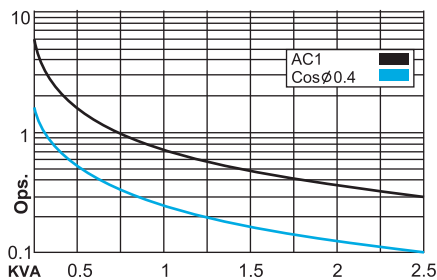
Pin configuration



Contacts

Materials:	Standard	AgNi
Max. switching current		12 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 10⁶

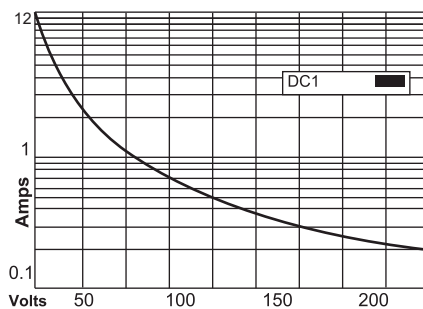


Coils (Ohms ± 10% @ 20°C)

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



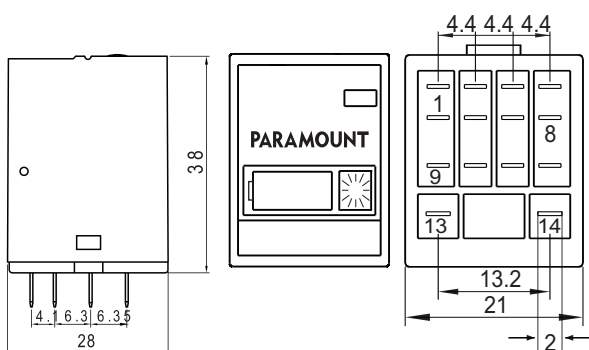
Insulation

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)

P12N-X-PVAC
P12N-X-PRVAC

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)

P12N-X-PVDC
P12N-X-PWVDC
P12N-X-PZVDC
P12N-X-PBVDC

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

Approvals





P12N-Y

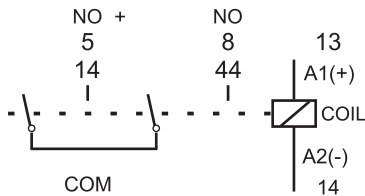
General Purpose Relays

1 NO Double Break

12 A 250V AC1 12 A 30V DC1



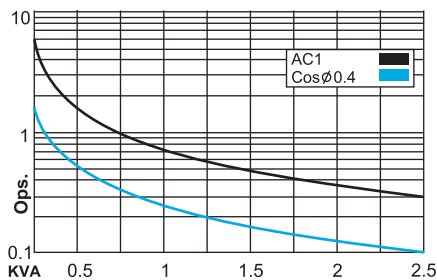
Pin configuration



Contacts

Materials:	Standard	AgNi
Max. switching current		12 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 10⁶

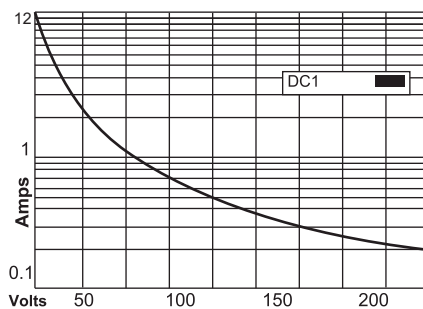


Coils (Ohms ± 10% @ 20°C)

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



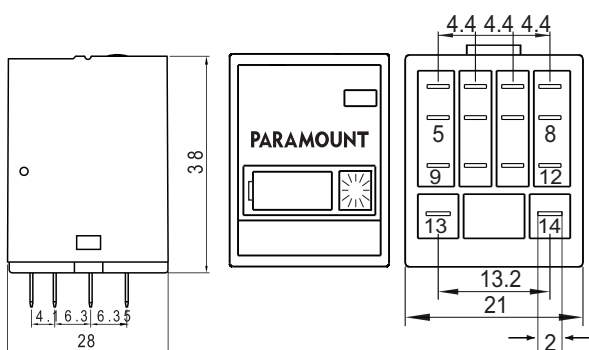
Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insulation 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)

P12N-Y-PVAC
P12N-Y-PRVAC

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)

P12N-Y-PVDC
P12N-Y-PWVDC
P12N-Y-PZVDC
P12N-Y-PBVDC

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

Approvals





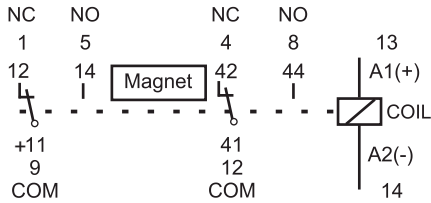
P12N....M



DC Switching Relay, 2CO Contacts

12 A 250V AC1 5 A 220VDC1
12 A 30V DC1

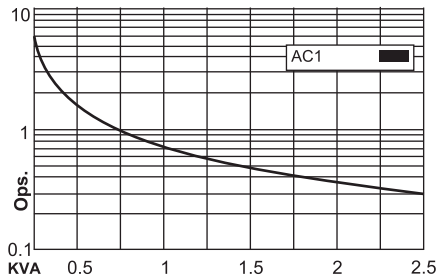
Pin configuration



Contacts

Materials:	Standard	AgNi
Max. switching current		12 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 10⁶

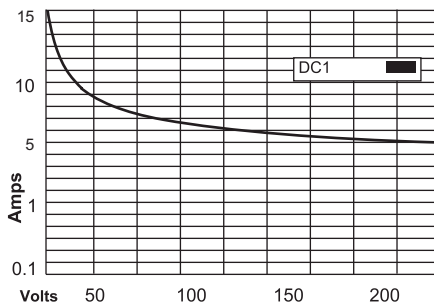


Coils (Ohms ± 10% @ 20°C)

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



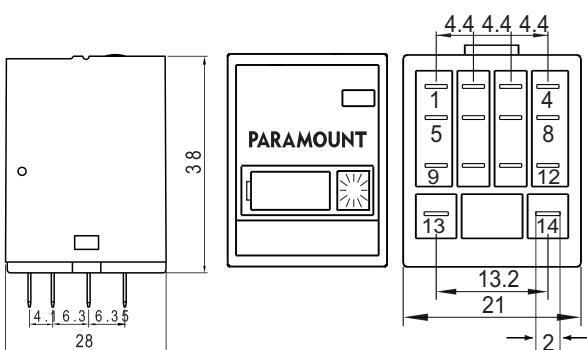
Insulation

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, 60Hz), 230 (240, 60Hz)

M = Magnetic Blow Out

P = LED Indicator

R = RC Snubber circuit (115 or 230V)

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)

P12N-PM VAC

P12N-PRM VAC

P12N-PN VDC

P12N-PMW VDC

P12N-PZM VDC

P12N-PBM VDC

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

Approvals



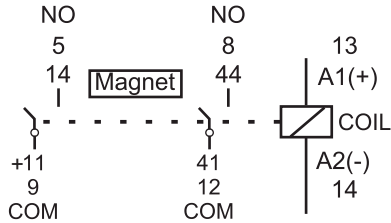


P12N-A....M



DC Switching Relay, 2NO Contacts
12 A 250V AC1 10 A 220VDC1
12 A 30V DC1

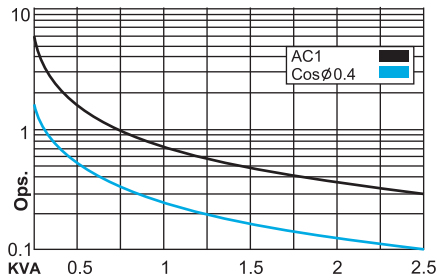
Pin configuration



Contacts

Materials:	Standard	AgNi
Max. switching current		12 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 10⁶

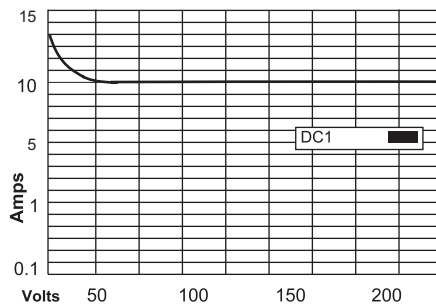


Coils (Ohms ± 10% @ 20°C)

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



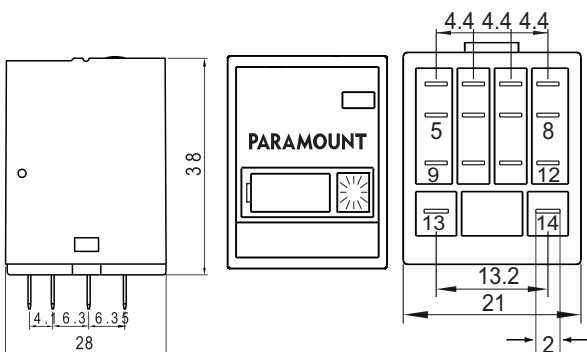
Insulation

Dielectric strength (1 minute): Open contacts	2.5 KV
Between adjacent poles	2.5KV
Between Contacts & Coil	>3GΩ
Insulation 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, 60Hz), 230 (240, 60Hz)

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

P12N-A-PMVAC
P12N-A-PRMVAC

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)

P12N-A-PMVDC
P12N-A-PWMVDC
P12N-A-PZMVDC
P12N-A-PBMVDC

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

Approvals



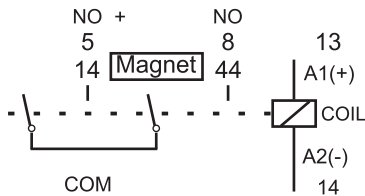


P12N-Y....M



DC Switching Relay, 1NO Double Break
12 A 250V AC1 5 A 220VDC1
12 A 30V DC1

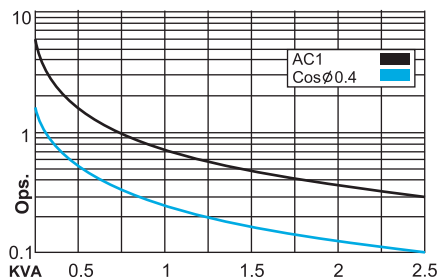
Pin configuration



Contacts

Materials:	Standard	AgNi
Max. switching current		12 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 10⁶

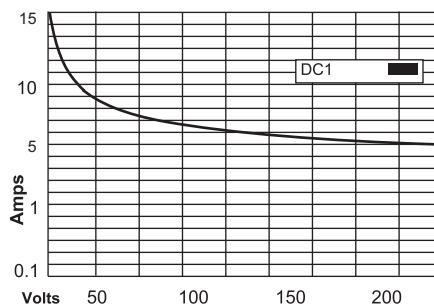


Coils (Ohms ± 10% @ 20°C)

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



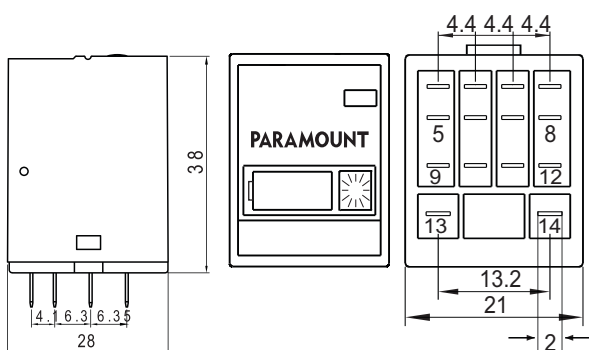
Insulation

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)

P12N-Y-PMVAC
P12N-Y-PRMVAC

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

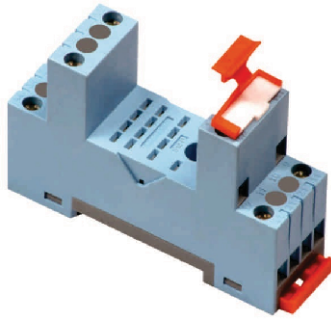
P = LED
W = Free Wheeling Diode
Z = Polarity & Free Wheeling Diode
B = AC/DC Bridge Rectifier (24/48V)

P12N-Y-PMVDC
P12N-Y-PWMVDC
P12N-Y-PZMVDC
P12N-Y-PBMVDC

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

Approvals



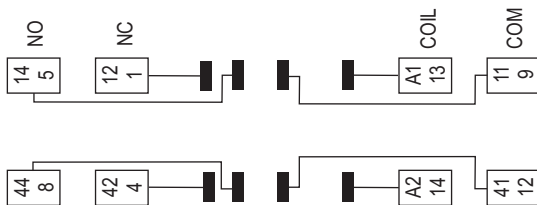


S12D-R

Only
23 mm
WIDE

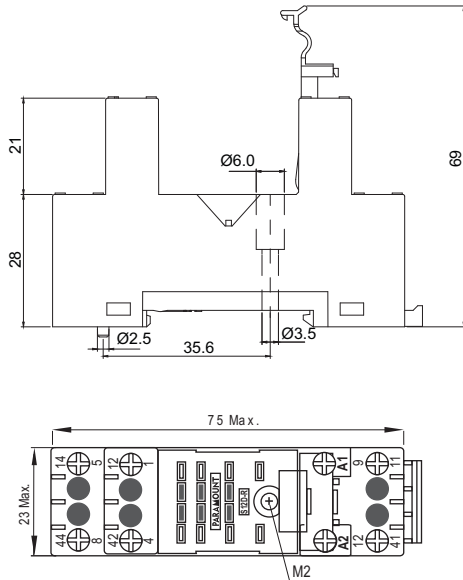
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Accessories (on request)



S14D-B1

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.

Other Aspects

DIN Rail / Panel Mountable

EN / DIN Sequential Numbering according to

EN 60947 & IEC 61810

Integrated Relay Hold Down Clip

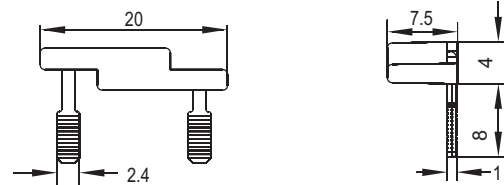
Removable White Marking Label

Hard Brass Tin Plated Terminals

Brass Tin Plated Screw

Dimensions for accessories

in mm.

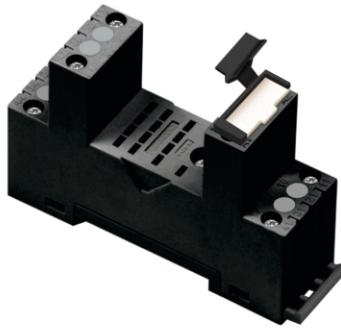


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

Suitable Relays : P12N, P14N-2

Approvals



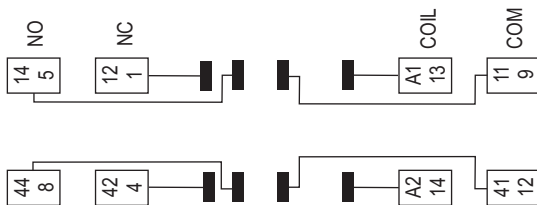


S12D-R-E

Only
23 mm
WIDE

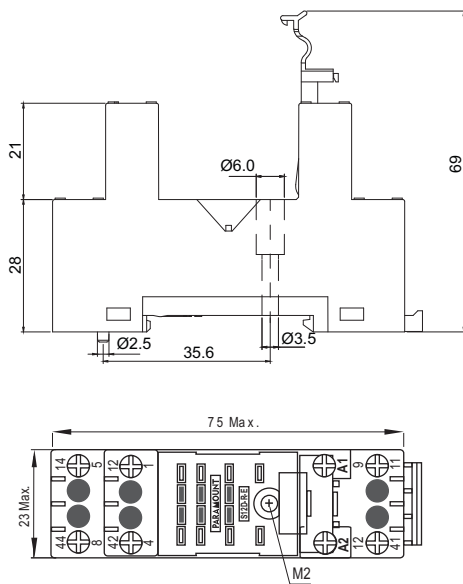
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Specifications

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

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

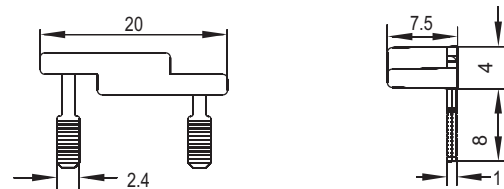
Accessories (standard)



S14D-B1

Dimensions for accessories

in mm.

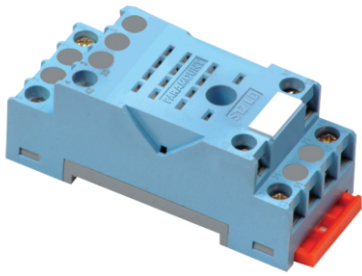


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

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

Approvals



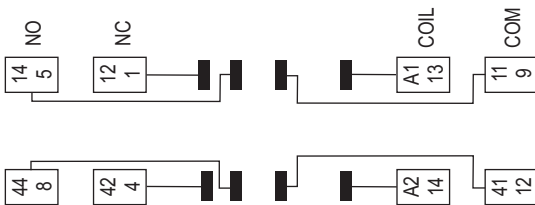


S12LD-R

Only
28.7 mm
WIDE

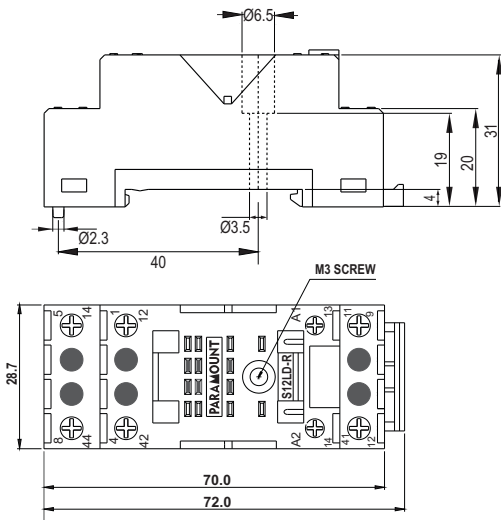
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Specifications

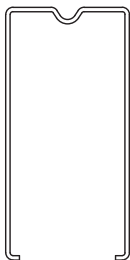
Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
Insulation: Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	2.5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Weight Approx.	61 gms.

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

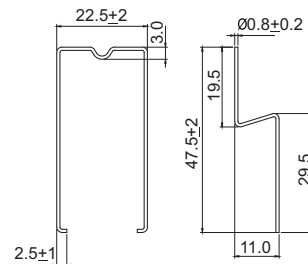
Accessories - 1 (standard)

Metal Clamp - R



Dimensions for accessories - 1

in mm.

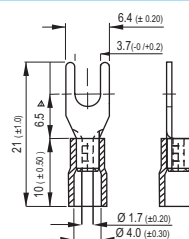


Accessories - 2 (on request)



Dimensions for accessories - 2

in mm.

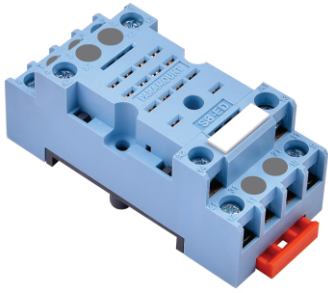


Fork / C type crimped Terminal used for wire connection

Suitable Relays : P12N, P14N-2

Approvals



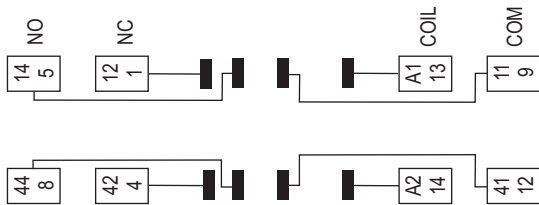


S12ED-R

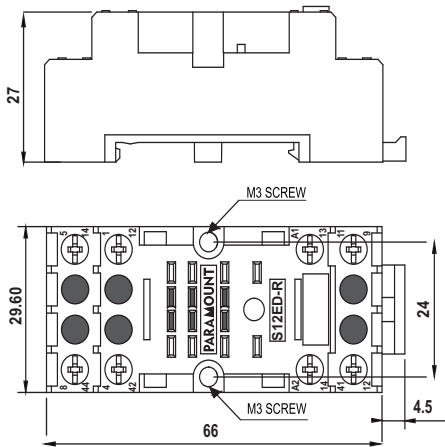
Only
29.6 mm
WIDE

DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions in mm.



Specifications

Poles	2 Change Over Contact
Nominal load :	12A / 250 VAC
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	0.6 Nm
Screw dimensions	M3, PozI
Weight Approx.	46 gms.

Other Aspects

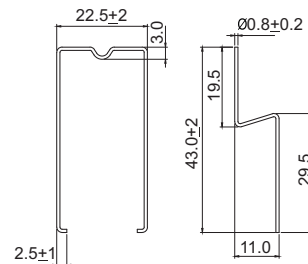
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

Accessories - 1 (standard)

Metal Clamp - R



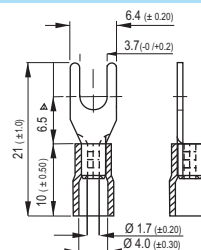
Dimensions for accessories - 1 in mm.



Accessories - 2 (on request)



Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

Suitable Relays : P12N, P14N-2

Approvals



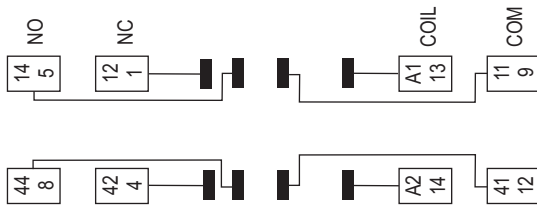


S12ED-R-E

Only
29.6 mm
WIDE

DIN Rail or Panel Mountable Socket

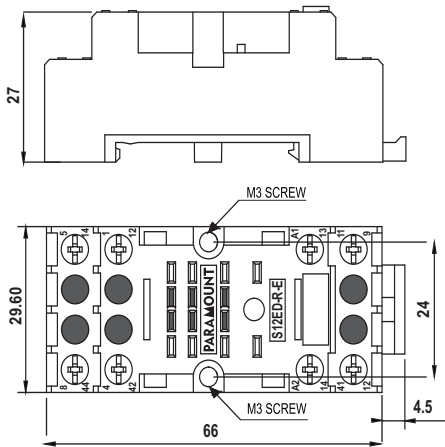
Wiring Diagram



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	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

Dimensions in mm.

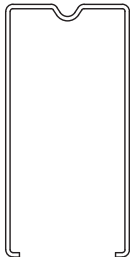


Other Aspects

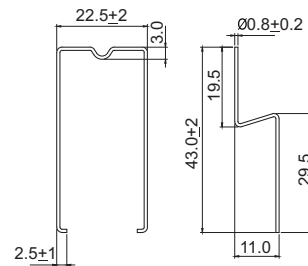
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

Accessories - 1 (standard)

Metal Clamp - R



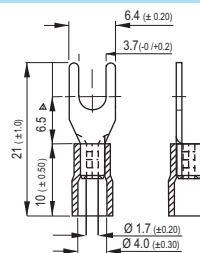
Dimensions for accessories - 1 in mm.



Accessories - 2 (on request)



Dimensions for accessories - 2 in mm.

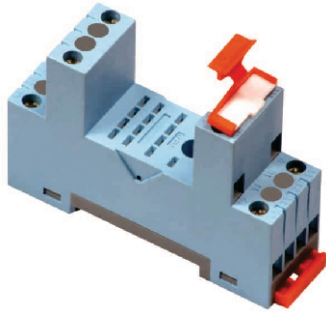


Fork / C type crimped Terminal used for wire connection

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

Approvals



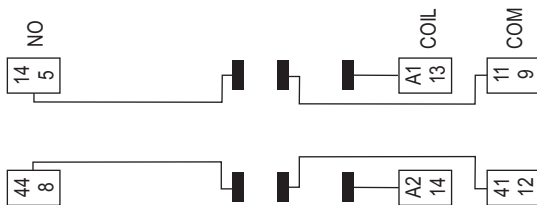


S12D-YA-R

Only
23 mm
WIDE

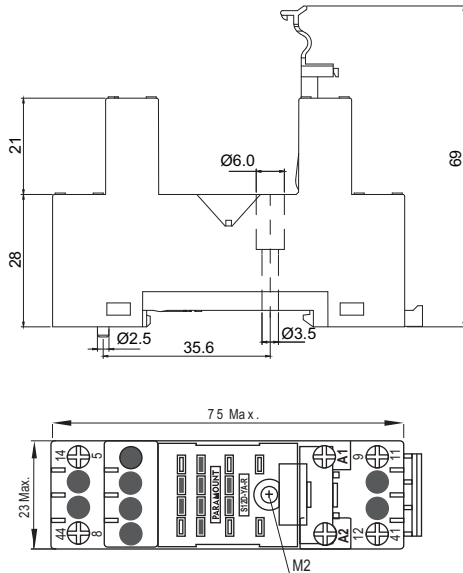
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Specifications

Poles: 2 NO & 1 NO Double Break
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.

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

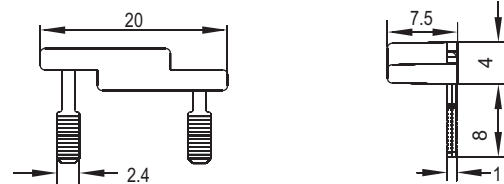
Accessories (on request)



S14D-B1

Dimensions for accessories - 2

in mm.

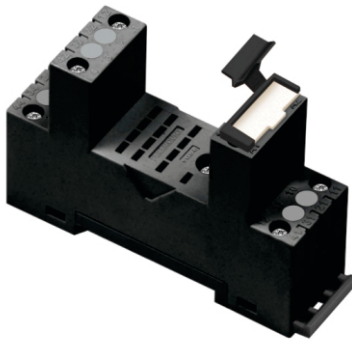


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

Suitable Relays : P12N-A, P12N-Y

Approvals



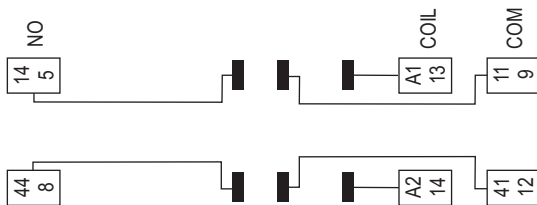


S12D-YA-R-E

Only
23 mm
WIDE

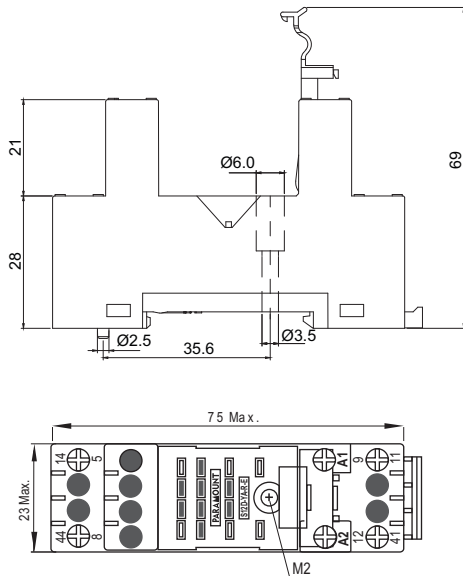
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Specifications

Poles: 2 NO & 1 NO Double Break
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.

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

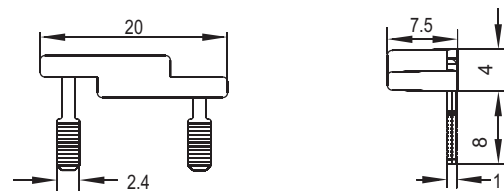
Accessories (on request)



S14D-B1

Dimensions for accessories

in mm.

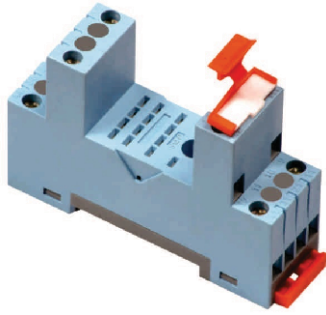


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

Suitable Relays : P12N-A-E, P12N-Y-E

Approvals



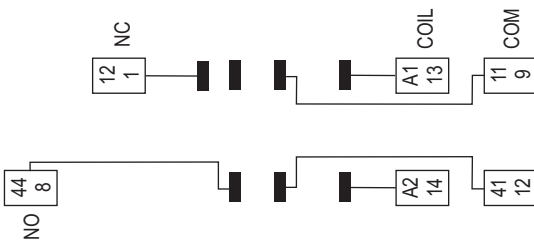


S12D-X-R

Only
23 mm
WIDE

DIN Rail or Panel Mountable Socket

Wiring Diagram



Specifications

Poles: 1 NO & 1 NC 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

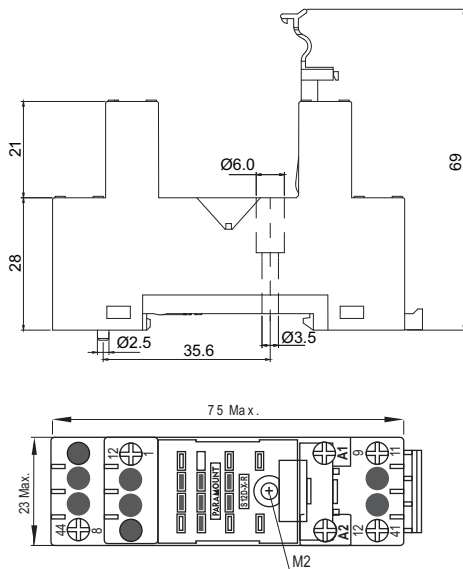
Max. screw torque: 1.2 Nm
Screw dimensions: M3, Pozi

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

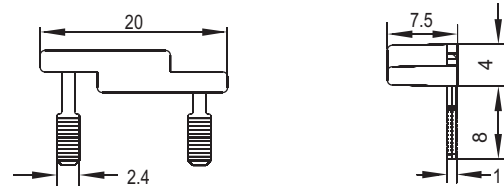
Accessories (on request)



S14D-B1

Dimensions for accessories - 2

in mm.

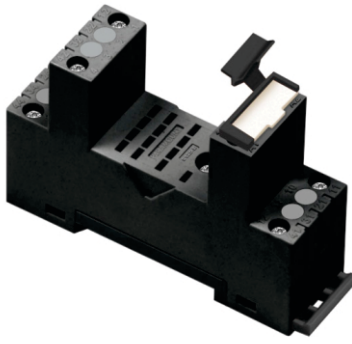


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

Suitable Relays : P12N-X

Approvals



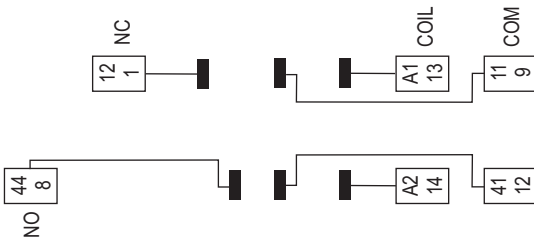


S12D-X-R-E

Only
23 mm
WIDE

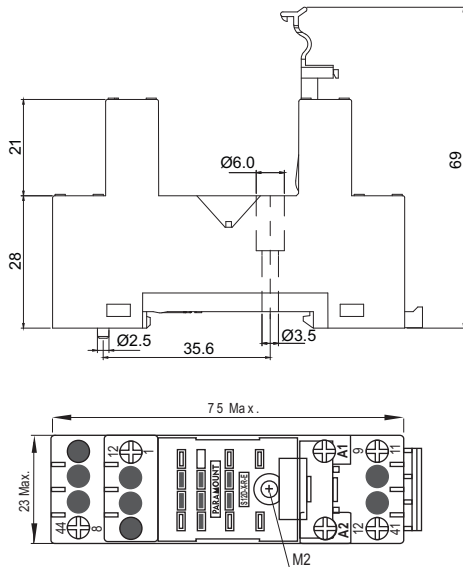
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Specifications

Poles: 1 NO & 1 NC 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.

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

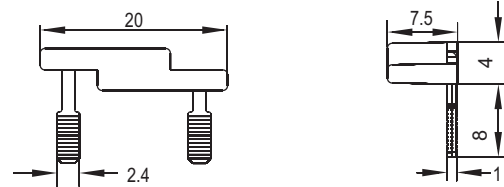
Accessories (on request)



S14D-B1

Dimensions for accessories - 2

in mm.

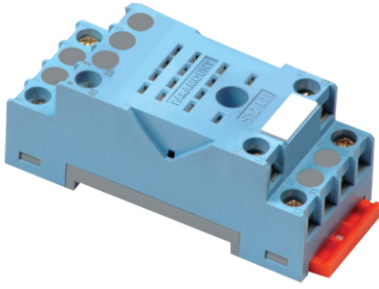


S14D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

Suitable Relays : P12N-X-E1

Approvals



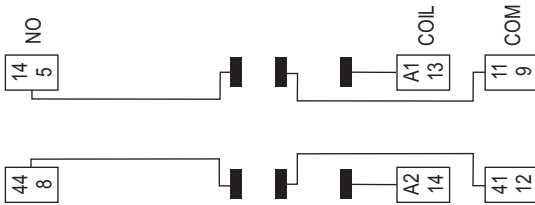


S12LD-YA-R

Only
28.7 mm
WIDE

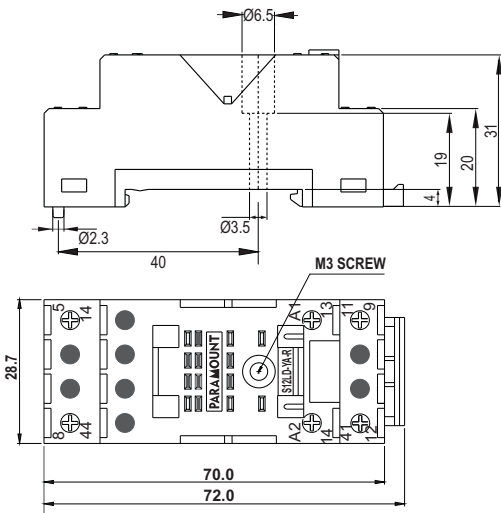
DIN Rail or Panel Mountable Socket

Wiring Diagram



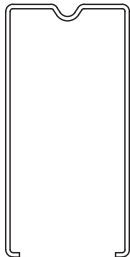
Dimensions

in mm.



Accessories - 1 (standard)

Metal Clamp - R

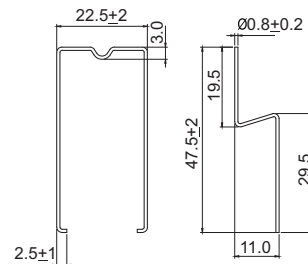


Accessories - 2 (on request)



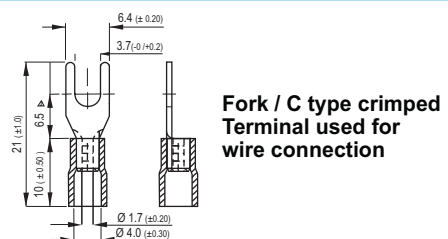
Dimensions for accessories - 1

in mm.



Dimensions for accessories - 2

in mm.



Suitable Relays : P12N-A, P12N-Y

Approvals



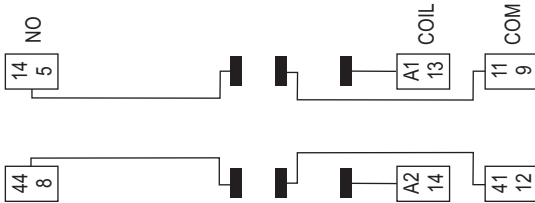


S12LD-YA-R-E

Only
28.7 mm
WIDE

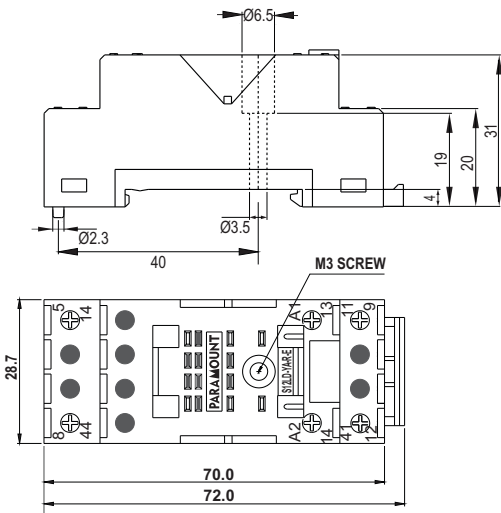
DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions

in mm.



Specifications

Poles	2 NO & 1 NO Double Break
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
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

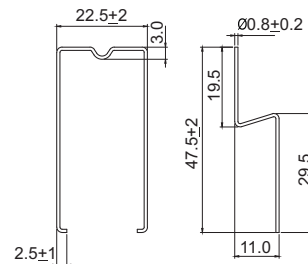
Accessories - 1 (standard)

Metal Clamp - R



Dimensions for accessories - 1

in mm.

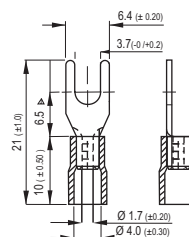


Accessories - 2 (on request)



Dimensions for accessories - 2

in mm.

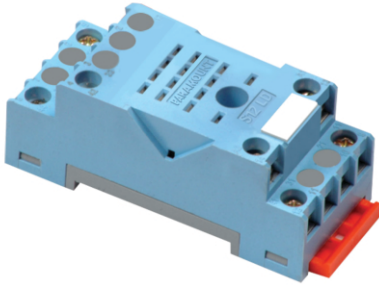


Fork / C type crimped Terminal used for wire connection

Suitable Relays : P12N-A-E, P12N-Y-E

Approvals



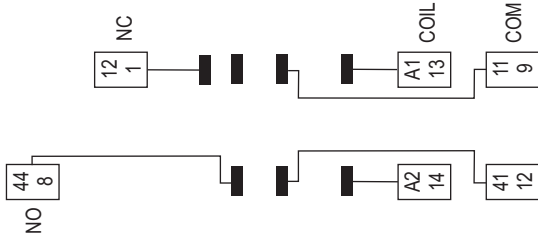


S12LD-X-R

Only
28.7 mm
WIDE

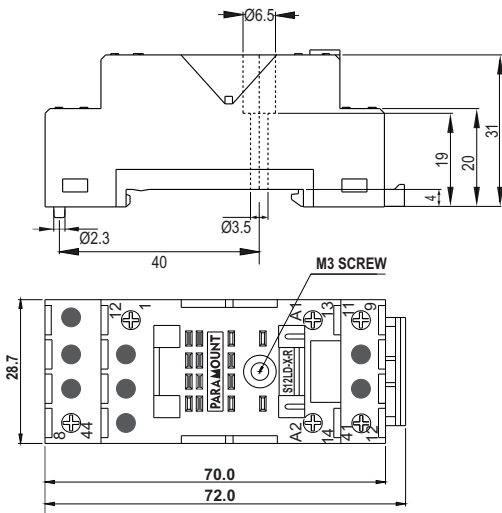
DIN Rail or Panel Mountable Socket

Wiring Diagram



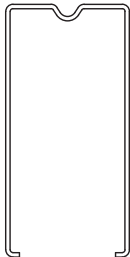
Dimensions

in mm.



Accessories - 1 (standard)

Metal Clamp - R

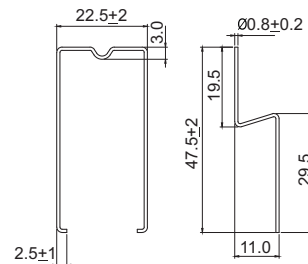


Accessories - 2 (on request)



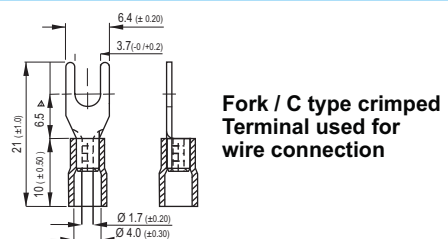
Dimensions for accessories - 1

in mm.



Dimensions for accessories - 2

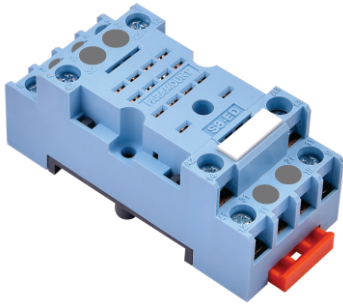
in mm.



Suitable Relays : P12N-X

Approvals



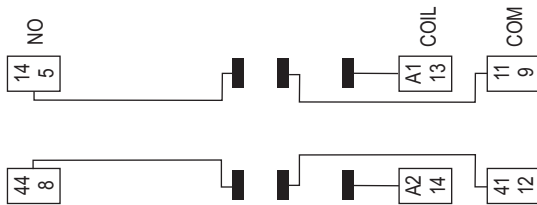


S12ED-YA-R

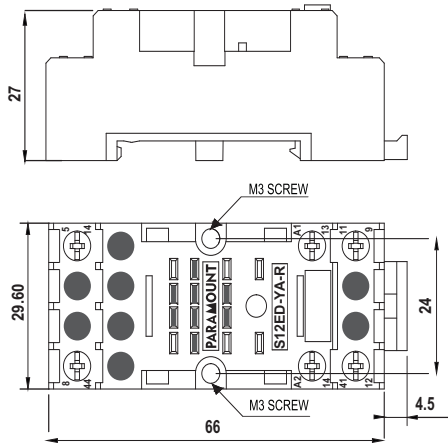
Only
29.6 mm
WIDE

DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions in mm.



Accessories - 1 (standard)

Metal Clamp - R



Accessories - 2 (on request)



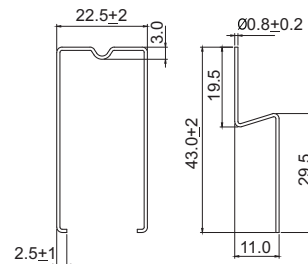
Specifications

Poles	2 NO & 1 NO Double Break
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	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

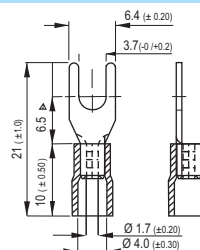
Other Aspects

- 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 : P12N-A, P12N-Y

Approvals



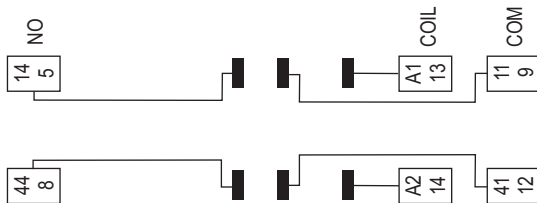


S12ED-YA-R-E

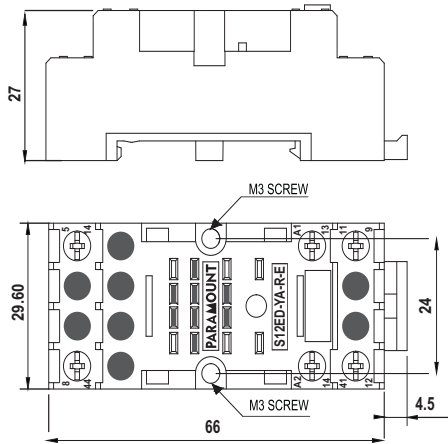
Only
29.6 mm
WIDE

DIN Rail or Panel Mountable Socket

Wiring Diagram

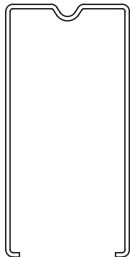


Dimensions in mm.

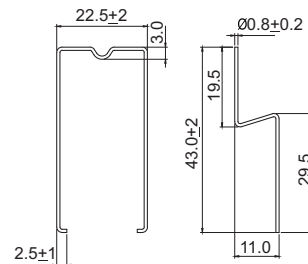


Accessories - 1 (standard)

Metal Clamp - R



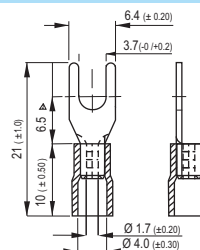
Dimensions for accessories - 1 in mm.



Accessories - 2 (on request)



Dimensions for accessories - 2 in mm.



Fork / C type crimped
Terminal used for
wire connection

Specifications

Poles: 2 NO & 1 NO Double Break
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: 0.6 Nm
Screw dimensions: M3, Pozidriv
Weight Approx.: 46 gms.

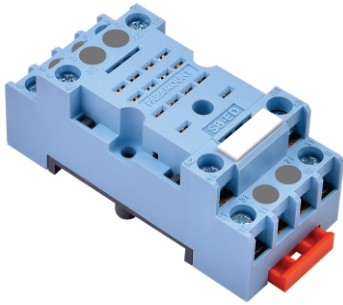
Other Aspects

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

Suitable Relays : P12N-A-E, P12N-Y-E

Approvals



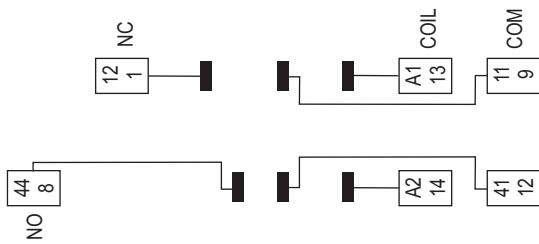


S12ED-X-R

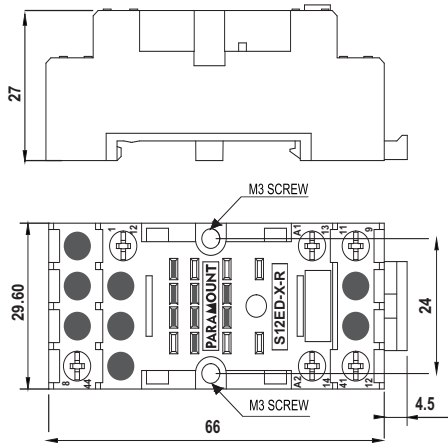
Only
29.6 mm
WIDE

DIN Rail or Panel Mountable Socket

Wiring Diagram



Dimensions in mm.



Specifications

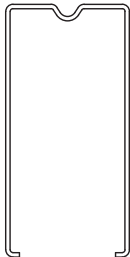
Poles	1 NO & 1 NC Contact
Nominal load :	12A / 250 VAC
Insulation: Di-electric strength, 1minute	
Between contact and coil	2.5 KV
Between all terminals and DIN Rail	.2 5 KV
Between adjacent terminals	2.5 KV
Max. screw torque	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

Other Aspects

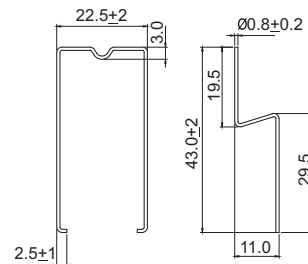
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

Accessories - 1 (standard)

Metal Clamp - R



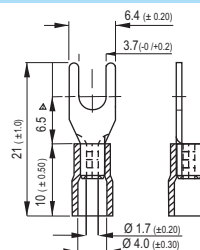
Dimensions for accessories - 1 in mm.



Accessories - 2 (on request)



Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

Suitable Relays : P12N-X

Approvals



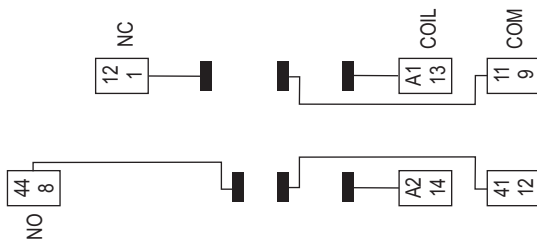


S12ED-X-R-E

Only
29.6 mm
WIDE

DIN Rail or Panel Mountable Socket

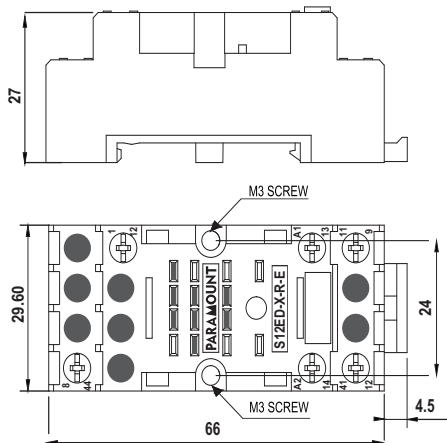
Wiring Diagram



Specifications

Poles	1 NO & 1 NC 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	0.6 Nm
Screw dimensions	M3, Pozzi
Weight Approx.	46 gms.

Dimensions in mm.



Other Aspects

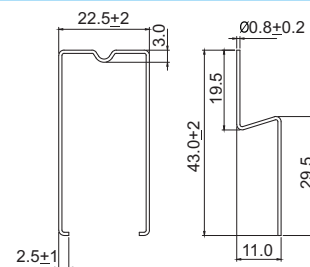
- DIN Rail / Panel Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Removable White Marking Label

Accessories - 1 (standard)

Metal Clamp - R



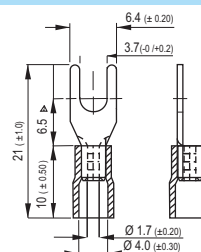
Dimensions for accessories - 1 in mm.



Accessories - 2 (on request)



Dimensions for accessories - 2 in mm.



Fork / C type crimped Terminal used for wire connection

Suitable Relays : P12N-X-E1

Approvals

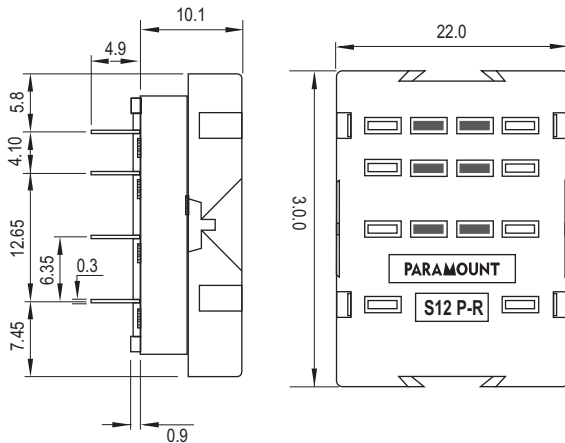




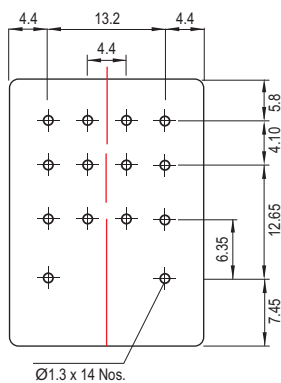
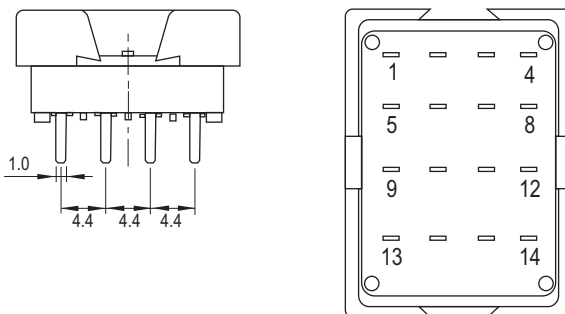
S12P-R

PCB Mountable Socket

Dimensions in mm.



Terminal Arrangement (Bottom View)



Mounting Holes Tolerance ± 0.1

Specifications

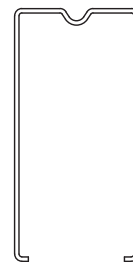
Poles	2 Change Over Contact
Nominal load :	12A / 300 VAC
Di-electric strength	2.5 KV
Number of pins	8 pins
Ambent Temp	-40C + 70C
Weight Approx	8 gms

Other Aspects

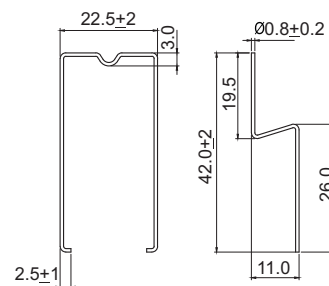
- PCB Mountable
- EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
- Integrated Relay Hold Down Clip
- Hard Brass Tin Plated Terminals

Accessories - (standard)

Metal Clamp - R



Dimensions for accessories in mm.



Suitable Relays : P12N, P14N-2

Approvals



Ordering Information for Relays

P12N--------
1 2 3 4 5 6 7 8

1. Relay Type

Blank : General Purpose 2 Pole Relay

2. Contact Form

Versions available

Blank : DPT (2C/O)

A : 2 NO

X : 1 NO + 1 NC Contact

Y : 1 NO Double Break

Refer note "a"

3. Contact Type

Blank : Single

4. Features

F : Mechanical operation Indicator

P : LED Indicator

Z : Free Wheeling + Polarity Diode (only for DC Relays)

I : Lockable & Manual Push Button

C : Push to Test

B : Bridge Rectifier (24 / 48 VDC)

R : RC circuit (115 / 230 VAC)

M : DC Switching Relay (Magnetic Below Out)

5. Special Types

Blank : Standard

Refer note "b"

6. Contact Material

Blank : AgNi

1. : AgNi + Au 0.2 μ

2. : AgNi + Au 5.0 μ

7 : Blank : UL Approved

E1 : NON UL

8 : Rated Coil Voltage

6 / 12 / 24 / 48 / 110 / 220 - VDC

6 / 12 / 24 / 48 / 115 / 230 - VAC

NOTE:-

a. : The Magnetic Blow Out Relays (DC Switching Relays) are available for all the 3 versions

b. : 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

Ordering Information for Sockets for P12N Relays

S12D-R	Din Rail Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
S12LD-R	Din Rail Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
S12ED-R	Din Rail Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays
S12D-X-R	Din Rail Mountable Socket	(UL Approved)	For 1NO & 1NC Relays
S12LD-X-R	Din Rail Mountable Socket	(UL Approved)	For 1NO & 1NC Relays
S12ED-X-R	Din Rail Mountable Socket	(UL Approved)	For 1NO & 1NC Relays
S12D-YA-R	Din Rail Mountable Socket	(UL Approved)	For 2NO & 1NO Double Break Relays
S12LD-YA-R	Din Rail Mountable Socket	(UL Approved)	For 2NO & 1NO Double Break Relays
S12ED-YA-R	Din Rail Mountable Socket	(UL Approved)	For 2NO & 1NO Double Break Relays
S12D-R-E	Din Rail Mountable Socket	(NON UL)	For General purpose 2 Pole Relays
S12LD-R-E	Din Rail Mountable Socket	(NON UL)	For General purpose 2 Pole Relays
S12ED-R-E	Din Rail Mountable Socket	(NON UL)	For General purpose 2 Pole Relays
S12D-X-R-E	Din Rail Mountable Socket	(NON UL)	For 1NO & 1NC Relays
S12LD-X-R-E	Din Rail Mountable Socket	(NON UL)	For 1NO & 1NC Relays
S12ED-X-R-E	Din Rail Mountable Socket	(NON UL)	For 1NO & 1NC Relays
S12D-YA-R-E	Din Rail Mountable Socket	(NON UL)	For 2NO & 1NO Double Break Relays
S12LD-YA-R-E	Din Rail Mountable Socket	(NON UL)	For 2NO & 1NO Double Break Relays
S12ED-YA-R-E	Din Rail Mountable Socket	(NON UL)	For 2NO & 1NO Double Break Relays
S12P-R	PCB Mountable Socket	(UL Approved)	For General purpose 2 Pole Relays