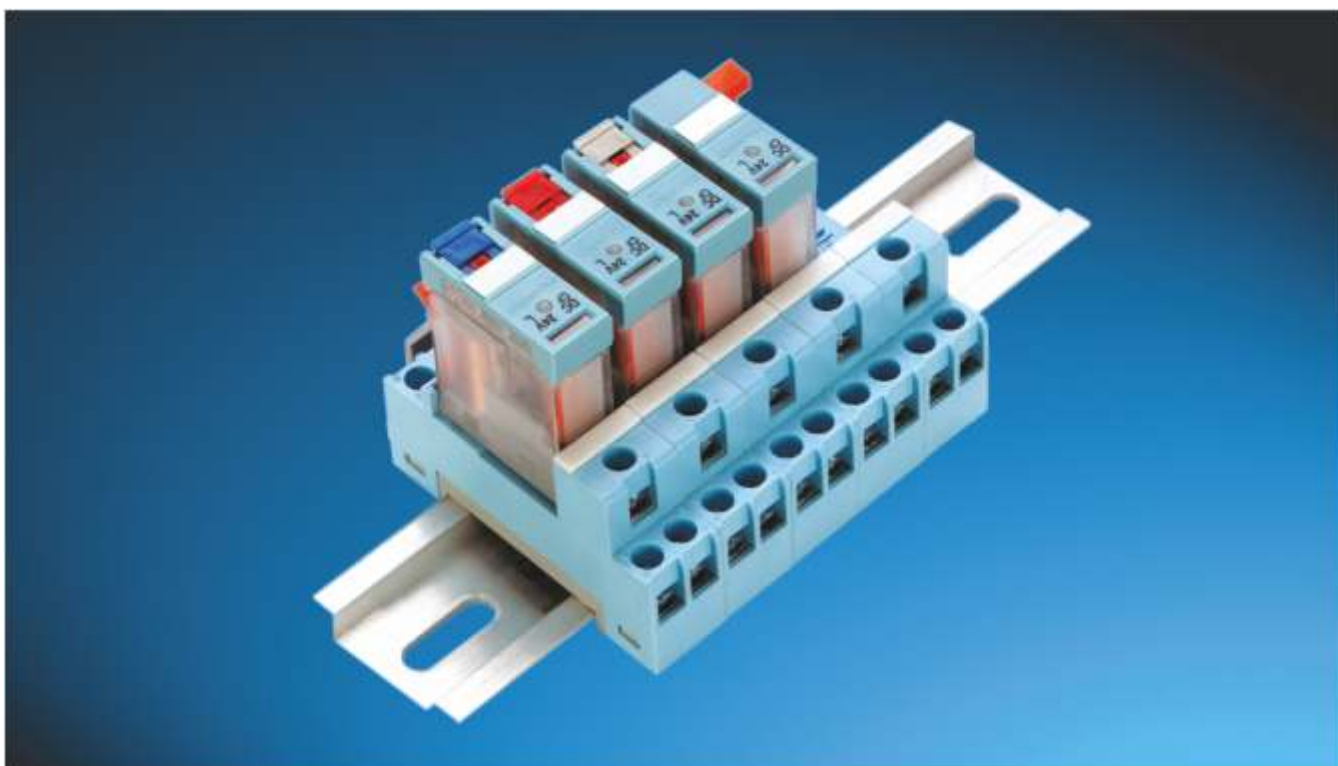
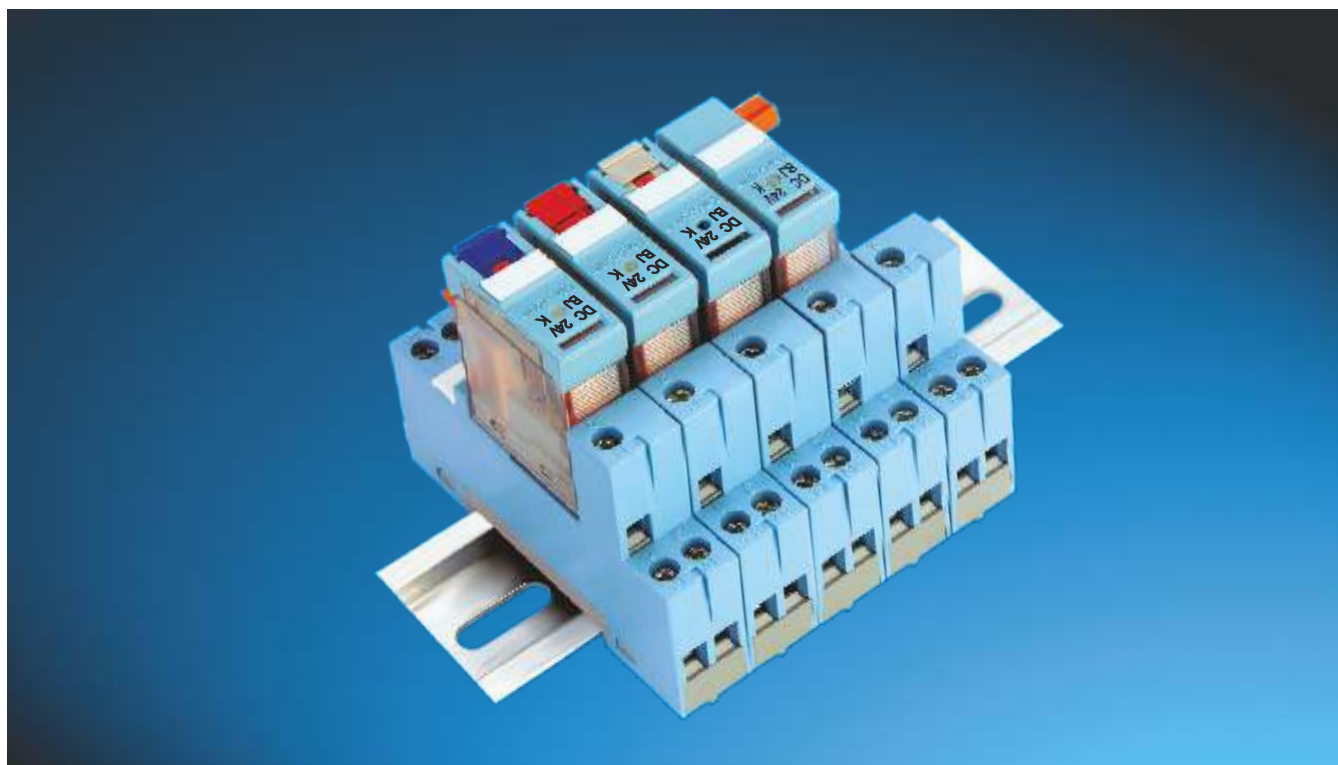


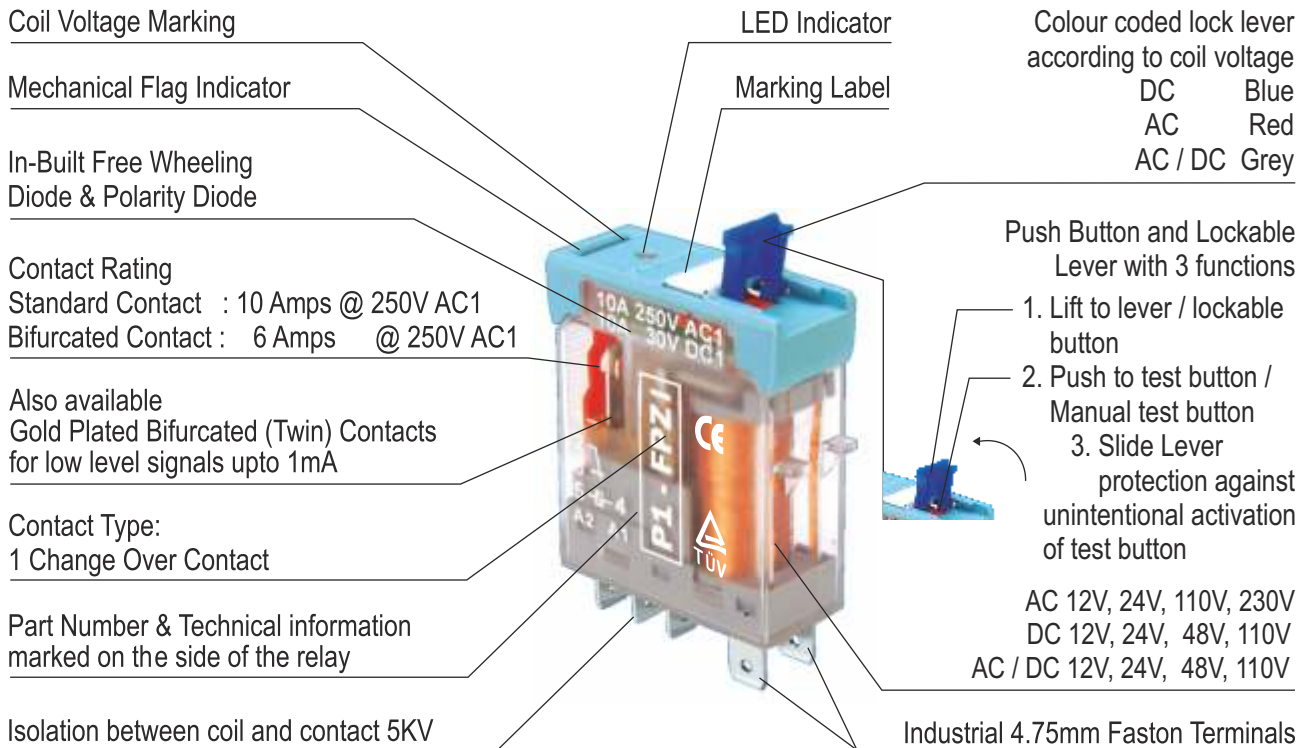
Catalogue

Series P1

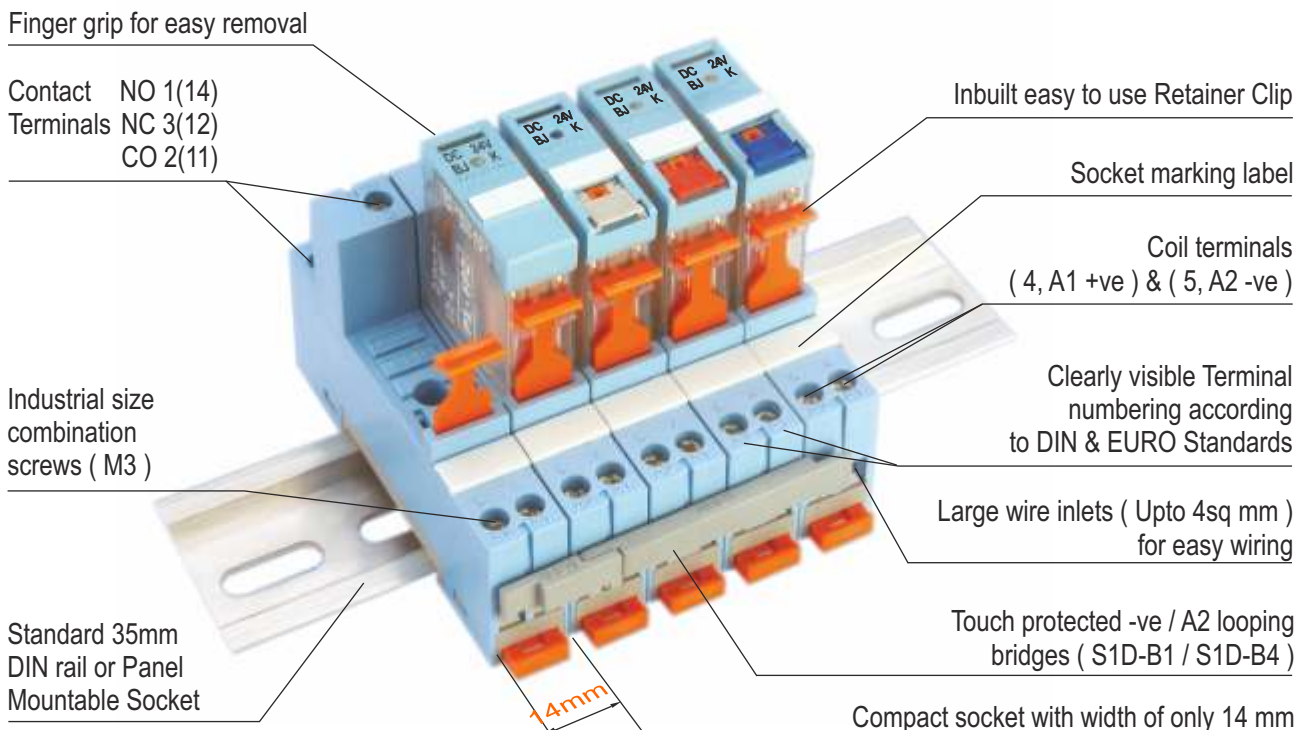


Benefits
of the new

Plus
system



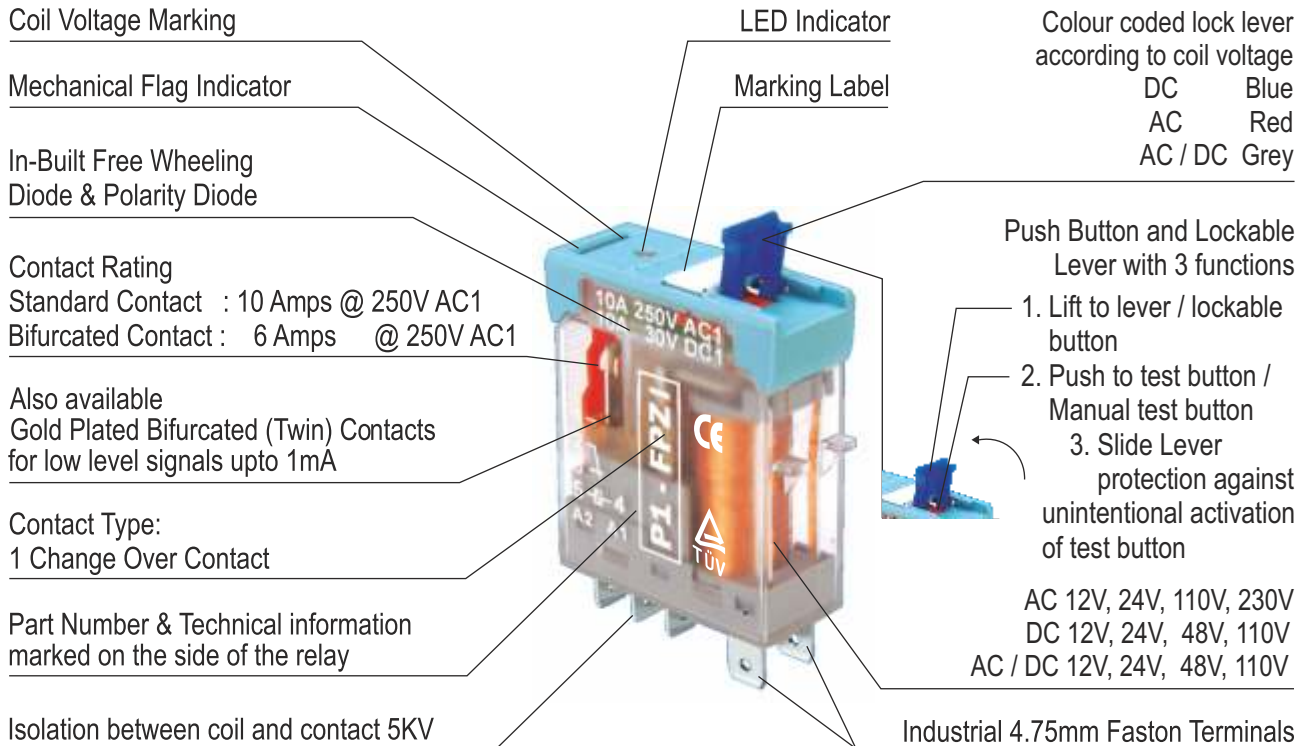
P1 is a Single Pole Industrial Plugin Relay with all the In-Built Mechanical and Electronic features which are a must for Input / Output PLC applications.



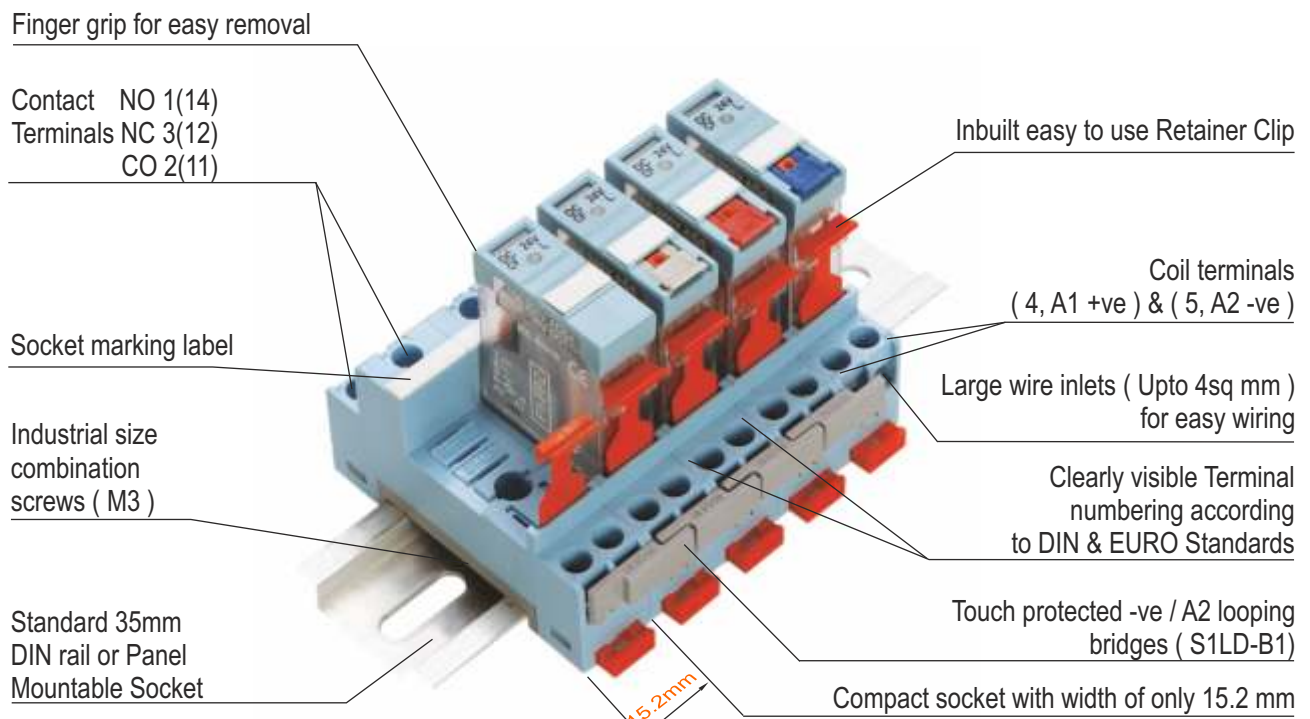
S1D is a Single Pole Two Level Touch protected Interface Socket with Input / Output configuration of Coil Terminals (A1 & A2) on one side and Contact Terminals (NO, NC, CO) on the opposite side.

Benefits
of the new

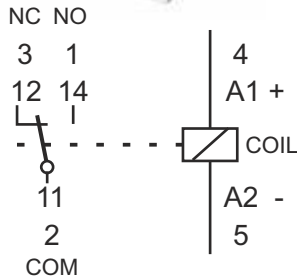
Plus
system



P1 is a Single Pole Industrial Plugin Relay with all the In-Built Mechanical and Electronic features which are a must for Input / Output PLC applications.



S1LD is a Single Pole Two Level Touch protected Socket with Input / Output configuration of Coil Terminals (A1 & A2) on one side and Contact Terminals (NO, NC, CO) on the opposite side.



P1



One Pole, Change-Over Contact

10A 250V AC1 0.5A 110V DC1
10A 30V DC1 0.2A 220V DC1

Contacts

Materials: Standard	AgNi
Optional, code 1	AgNi + Au 0.2μ
Optional, code 2	AgNi + Au 5.0μ
Max. switching current	10 A
Max. Peak inrush current (20 ms.)	30 A
Max. Switching voltage	250 V
Max. AC load (Graph 1)	2.5 KVA
Max. DC load	See Graph 2*

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	$\leq 0.8 \times U_n$
Drop-out voltage	$\geq 0.1 \times U_n$
Nominal Coil Power	1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1200	23.0	24	742	32.0
115	7,300	9.5	48	3,500	13.7
230	28,800	4.7	110	19,900	5.5

Insulation

Dielectric strength (1 minute):	
Open contacts	1 KV
Between Contacts & Coil	5 KV
Insulation resistance at 500VDC	>3GΩ
Isolation, IEC 61810-5:	4 KV / 3

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 (Graph 1)	IP40 / RT1
Weight Approx.	21 gms.

Standard types

AC 50 Hz : 24, 48, 115, 230
F = Mechanical Flag Indicator
P = LED
R = R/C (Snubber Circuit) (115/230V)

P1-F VAC
P1-FP VAC
P1-FPR VAC

DC 6, 12, 24, 48, 110
F = Mechanical Flag Indicator
P = LED
W = Free-Wheeling Diodes
Z = Polarity & Free-Wheeling Diodes
I = Lockable & Manual Push Button
B = AC/DC Bridge Rectifier (24/48V)

P1-F VDC
P1-FP VDC
P1-FPW VDC
P1-FPZ VDC
P1-FPZI VDC
P1-FPB VDC

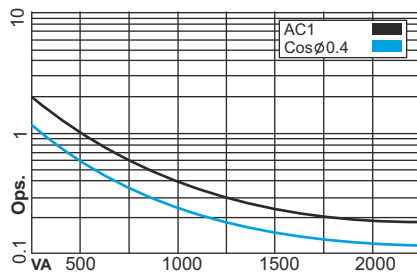
Suitable Sockets : S10K, S1D, S1LD, S1HD, S1P

Approvals



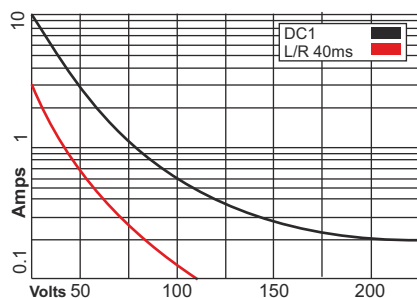
Graph 1

Electrical life, ops x 10⁶



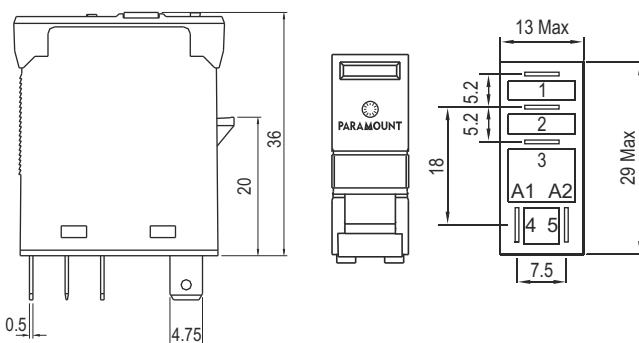
Graph 2

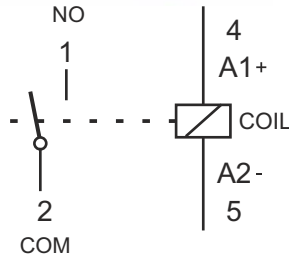
Max. DC load



Dimensions

in mm.





P1-A

One Pole, Normally Open Contact

10A 250V AC1 0.8A 110V DC1

10A 30V DC1 0.4A 220V DC1

Contacts

Materials: Standard	AgNi
Optional, code 1	AgNi + Au 0.2μ
Optional, code 2	AgNi + Au 5.0μ
Max. switching current	10 A
Max. Peak inrush current (20 ms.)	30 A
Max. Switching voltage	250 V
Max. AC load (Graph 1)	2.5 KVA
Max. DC load	See Graph 3*

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal Coil Power	1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1200	23.0	24	742	32.0
115	7,300	9.5	48	3,500	13.7
230	28,800	4.7	110	19,900	5.5

Insulation

Dielectric strength (1 minute):	
Open contacts	2 KV
Between Contacts & Coil	5 KV
Insulation resistance at 500VDC	>3GΩ
Isolation, IEC 61810-5:	4 KV / 3

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 Grade	IP40 / RT1
Weight Approx.	21 gms.

Standard types

AC 50 Hz : 24, 48, 115, 230

F = Mechanical Flag Indicator

P = LED

R = R/C (Snubber Circuit) (115/230v)

DC 12, 24, 48, 110

F = Mechanical Flag Indicator

P = LED

W = Polarity & Free-Wheeling Diodes

Z = Polarity & Free-Wheeling Diodes

B = AC/DC Bridge Rectifier (24/48V)

P1-A-F VAC
P1-A-FP VAC
P1-A-FPR VAC

P1-A-F VDC
P1-A-FP VDC
P1-A-FPW VDC
P1-A-FPZ VDC
P1-A-FPB VDC

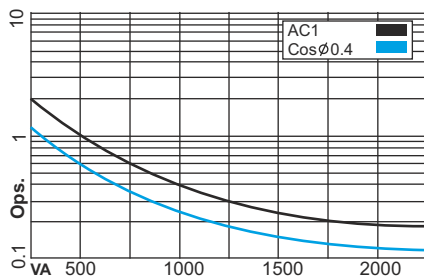
Suitable Sockets : S10K, S1D-A, S1LD-A, S1HD-A, S1P

Approvals



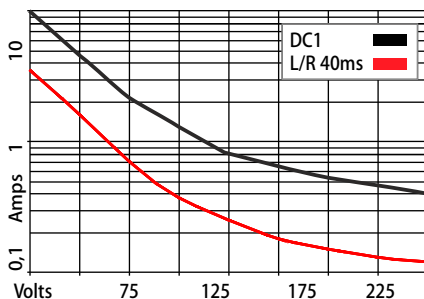
Graph 1

Electrical life, ops x 10⁶



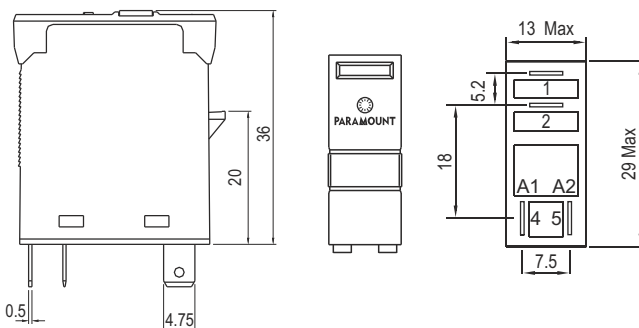
Graph 3

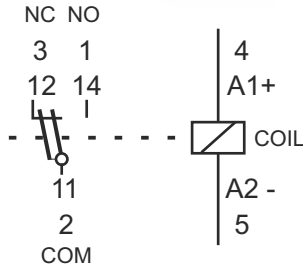
Max. DC load



Dimensions

in mm.





P1-T

One Pole, Change-Over Twin Contact

6A 250V AC1 0.5A 110V DC1
6A 30V DC1 0.2A 220V DC1

Contacts

Materials: Standard
Optional, code 1 AgNi + Au 0.2μ
Optional, code 2 AgNi + Au 5.0μ
Max. switching current 6 A
Max. Peak inrush current (20 ms.) 15 A
Max. Switching voltage 250 V
Max. AC load (Graph 4) * 1.5 KVA
Max. DC load See Graph 5 *

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage $\leq 0.8 \times U_n$
Drop-out voltage $\geq 0.1 \times U_n$
Nominal Coil Power 1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1200	23.0	24	742	32.0
115	7,300	9.5	48	3,500	13.7
230	28,800	4.7	110	19,900	5.5

Insulation

Dielectric strength (1 minute):
Open contacts 1 KV
Between Contacts & Coil 5 KV
Insulation resistance at 500VDC >3GΩ
Isolation, IEC 61810-5: 4 KV / 3

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 Grade IP40 / RT1
Weight Approx. 21 gms.

Standard types

AC 50 Hz : 24, 48, 115, 230
F = Mechanical Flag Indicator
P = LED
R = R/C (Snubber Circuit) (115/230)

P1-T-F VAC
P1-T-FP VAC
P1-T-FPR VAC

DC 6, 12, 24, 48, 110
F = Mechanical Flag Indicator
P = LED
W = Free-Wheeling Diodes
Z = Polarity & Free-Wheeling Diodes
B = AC/DC Bridge Rectifier (24/48V)

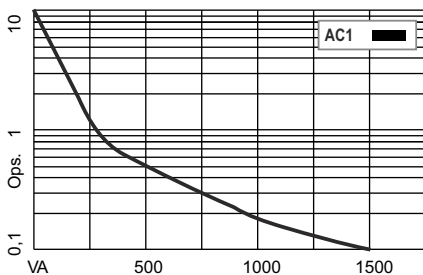
P1-T-F VDC
P1-T-FP VDC
P1-T-FPW.... VDC
P1-T-FPZ VDC
P1-T-FPB.... VDC

Suitable Sockets : S10K, S1D, S1LD, S1HD, S1P

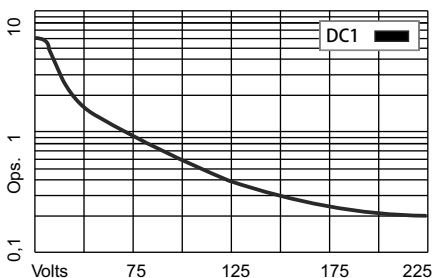
Approvals



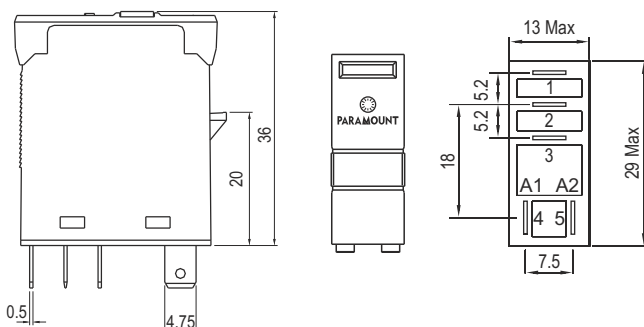
Graph 4 Electrical life, ops x 10⁶

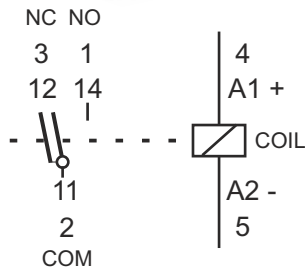


Graph 5 Max. DC load



Dimensions in mm.





P1-T-A

One Pole, Normally Open Twin Contact

6A 250V AC1 0.5A 110V DC1

6A 30V DC1 0.2A 220V DC1

Contacts

Materials: Standard

Optional, code 1

Optional, code 2

Max. switching current

Max. Peak inrush current (20 ms.)

Max. Switching voltage

Max. AC load (Graph 4) *

Max. DC load

AgNi + Au 0.2μ

AgNi + Au 5.0μ

6 A

15 A

250 V

1.5 KVA

See Graph 5 *

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage

≤ 0.8 x Un

Drop-out voltage

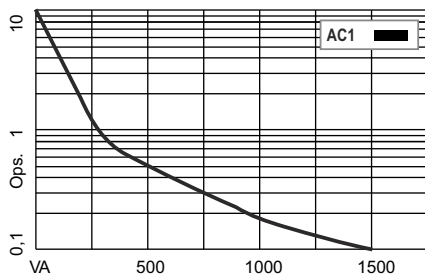
≥ 0.1 x Un

Nominal Coil Power

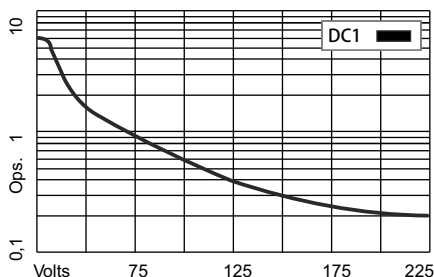
1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1200	23.0	24	742	32.0
115	7,300	9.5	48	3,500	13.7
230	28,800	4.7	110	19,900	5.5

Graph 4 Electrical life, ops x 10⁶



Graph 5 Max. DC load



Insulation

Dielectric strength (1 minute):

Open contacts

1 KV

Between Contacts & Coil

5 KV

Insulation resistance at 500VDC

>3GΩ

Isolation, IEC 61810-5:

4 KV / 3

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 Grade

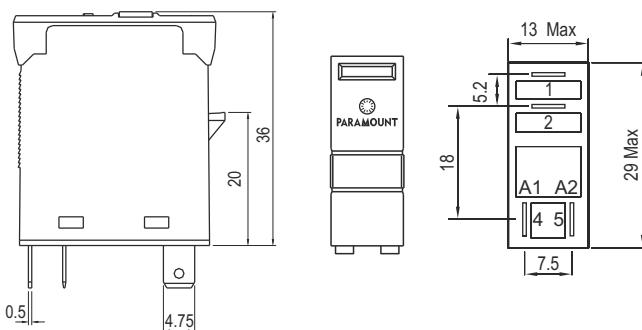
IP40 / RT1

Weight Approx.

21 gms.

Dimensions

in mm.



Standard types

AC 50 Hz : 24, 48, 115, 230

F = Mechanical Flag Indicator

P = LED

R = R/C (Snubber Circuit) (115/230)

P1-T-A-F VAC

P1-T-A-FP VAC

P1-T-A-FPR VAC

DC 12, 24, 48, 110

F = Mechanical Flag Indicator

P = LED

W = Free-Wheeling Diodes

Z = Polarity & Free-Wheeling Diodes

B = AC/DC Bridge Rectifier (24/48V)

P1-T-A-F VDC

P1-T-A-FP VDC

P1-T-A-FPW.... VDC

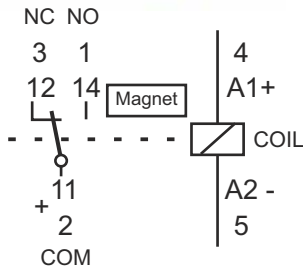
P1-T-A-FPZ VDC

P1-T-A-FPB VDC

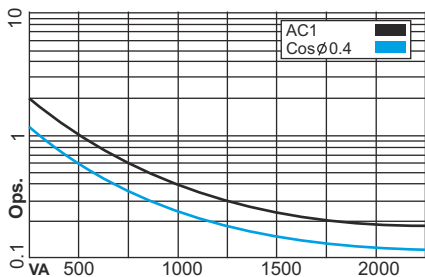
Suitable Sockets : S10K, S1D-A, S1LD-A, S1HD-A, S1P

Approvals

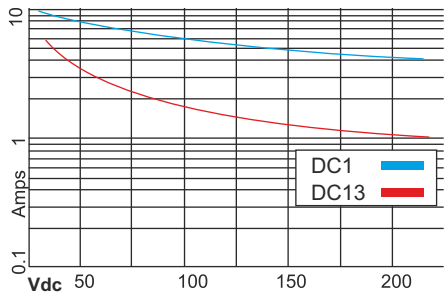




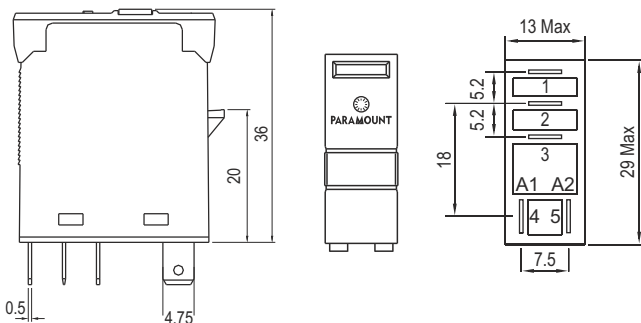
Graph 1 Electrical life, ops x 10⁶



Graph 6 Max. DC load



Dimensions in mm.



P1...M

MAGNETIC BLOW OUT

One Pole, Change-Over Contact

10A 250V AC1 4A 220V DC1
10A 30V DC1 1A 220V DC13

Contacts

Materials: Standard AgNi
Optional, code 1 AgNi + Au 0.2μ
Optional, code 2 AgNi + Au 5.0μ
Max. switching current 10 A
Max. Peak inrush current (20 ms.) 30 A
Max. Switching voltage 250 V
Max. AC load (Graph 1)* 2.5 KVA
Max. DC load See Graph 6*

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage ≤ 0.8 x Un
Drop-out voltage ≥ 0.1 x Un
Nominal Coil Power 1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1200	23.0	24	742	32.0
115	7,300	9.5	48	3,500	13.7
230	28,800	4.7	110	19,900	5.5

Insulation

Dielectric strength (1 minute):
Open contacts 1 KV
Between Contacts & Coil 5 KV
Insulation resistance at 500VDC >3GΩ
Isolation, IEC 61810-5: 4 KV / 3

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 Grade IP40 / RT1
Weight Approx. 21 gms.

Standard types

AC : 24, 48, 115, 230
M = Magnetic Blow Out

F = Mechanical Flag Indicator
P = LED

P1-FM VAC
P1-FPM VAC

DC : 12, 24, 48, 110
F = Mechanical Flag Indicator
P = LED

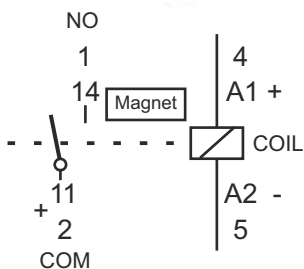
P1-FM VDC
P1-FPM VDC
P1-FPWM VDC
P1-FPZM VDC

W= Free Wheeling Diode
Z = Polarity & Free Wheeling Diode

Suitable Sockets : S10K, S1D, S1LD, S1HD, S1P

Approvals





P1-A...M

MAGNETIC BLOW OUT

One Pole, Normally Open Contact

10A 250V AC1 8A 220V DC1
10A 30V DC1 2A 220V DC13

Contacts

Materials: Standard	AgNi
Optional, code 1	AgNi + Au 0.2μ
Optional, code 2	AgNi + Au 5.0μ
Max. switching current	10 A
Max. Peak inrush current (20 ms.)	30 A
Max. Switching voltage	250 V
Max. AC load (Graph 1) *	2.5 KVA
Max. DC load	See Graph 7 *

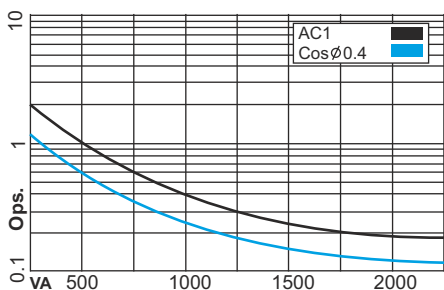
Coils (Ohms ± 10% @ 20°C)

Pull-in voltage	≤ 0.8 x Un
Drop-out voltage	≥ 0.1 x Un
Nominal Coil Power	1.1 VA (AC) / 0.7 W (DC)

VAC	Ω	mA	VDC	Ω	mA
24	290	45.0	12	224	53.0
48	1200	23.0	24	742	32.0
115	7,300	9.5	48	3,500	13.7
230	28,800	4.7	110	19,900	5.5

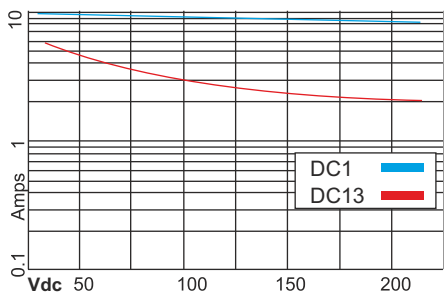
Graph 1

Electrical life, ops x 10⁶



Graph 7

Max. DC load



Insulation

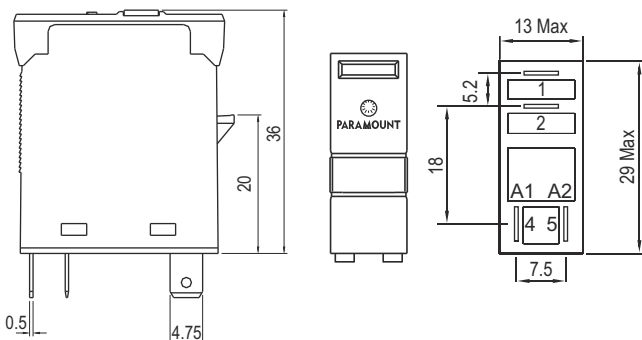
Dielectric strength (1 minute):	
Open contacts	1 KV
Between Contacts & Coil	5 KV
Insulation resistance at 500VDC	>3GΩ
Isolation, IEC 61810-5:	4 KV / 3

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 Grade	IP40 / RT1
Weight Approx.	21 gms.

Dimensions

in mm.



Standard types

AC : 24, 48, 115, 230
M = Magnetic Blow Out

F = Mechanical Flag Indicator
P = LED

P1-A-FM VAC
P1-A-FPM VAC

DC : 12, 24, 48, 110
F = Mechanical Flag Indicator
P = LED

P1-A-FM VDC
P1-A-FPM VDC
P1-A-FPWM VDC
P1-A-FPZM VDC

W = Free Wheeling Diode
Z = Polarity & Free Wheeling Diode

Suitable Sockets : S10K, S1D-A, S1LD-A, S1HD-A, S1P

Approvals





P1-L

One Pole, Latching Relay

10A 250V AC1 0.5A 110V DC1
10A 30V DC1 0.2A 220V DC1

Contacts

Materials: Standard AgNi
Optional, code 1 AgNi + Au 0.2μ
Optional, code 2 AgNi + Au 5.0μ
Max. switching current 10 A
Max. Peak inrush current (20 ms.) 30 A
Max. Switching voltage 250 V
Max. AC load (Graph 1) 2.5 KVA
Max. DC load See Graph 2*

Coils (Ohms ± 10% @ 20°C)

Pull-in voltage $\leq 0.8 \times U_n$
Drop-out voltage $\geq 0.1 \times U_n$
Nominal Coil Power 1.1 VA (AC) / W (DC)
Normal OFF Coil Power 0.5 VA (AC) / W (DC)

Coil Voltage VDC	On Coil Resistance in $\Omega \pm 10\%$	OFF coil Resistance in $\Omega \pm 10\%$	Must Switch ON/OFF Voltage in VDC	Coil Voltage VAC	On Coil Resistance in $\Omega \pm 10\%$	OFF coil Resistance in $\Omega \pm 10\%$	Must Switch ON/OFF Voltage in VAC
12	130.9	355	9	12	130.9	355	9.6
24	500	1.4 K	18	24	500	1.4 K	19.2
48	2.94 K	5.60 K	36	115	11 K	22.52 K	92
110	11 K	22.50 K	82.5	230	40 K	85 K	184

Insulation

Dielectric strength (1 minute):
Open contacts 1 KV
Between Contacts & Coil 5 KV
Insulation resistance at 500VDC $> 3G\Omega$
Isolation, IEC 61810-5: 4 KV / 3

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 (Graph 1) IP40 / RT1
Weight Approx. 21 gms.

Note :- 1) The input ON & OFF pulse width be min.500 Msecs.
2) For Non Standard Coil Voltages. Please Contact Factory
3) Polarity Diode is a Standard Feature

Standard types

AC 50 Hz : 12, 24, 115, 230

L = Latching Relays

F = Mechanical Flag Indicator

P = LED

DC 6, 24, 48, 110

F = Mechanical Flag Indicator

P = LED

W = Free Wheeling Diode

Z = Free Wheeling and Polarity Diode

P1-L-FL VAC

P1-L-FPL VAC

P1-L-F VDC

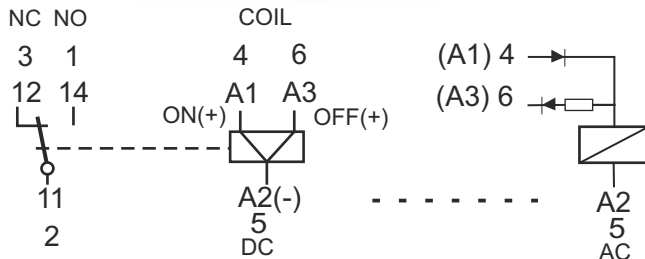
P1-L-FP VDC

P1-L-FPW VDC

P1-L-FPZ VDC

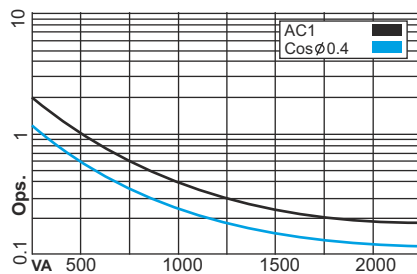
Suitable Sockets : S1HD-L

Approvals



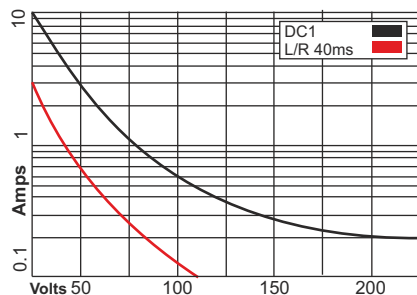
Graph 1

Electrical life, ops x 10⁶



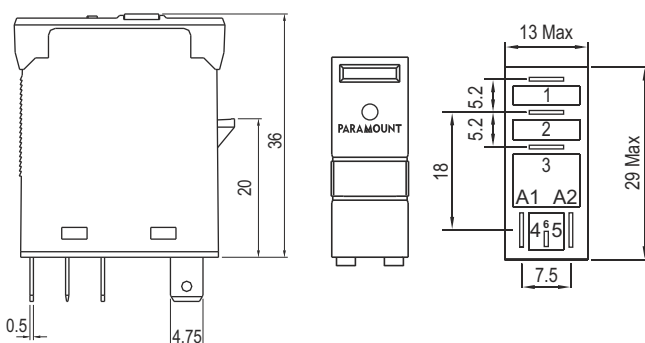
Graph 2

Max. DC load



Dimensions

in mm.



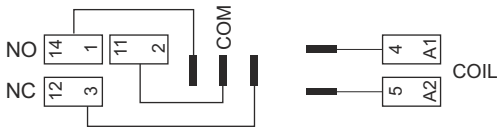


S1D

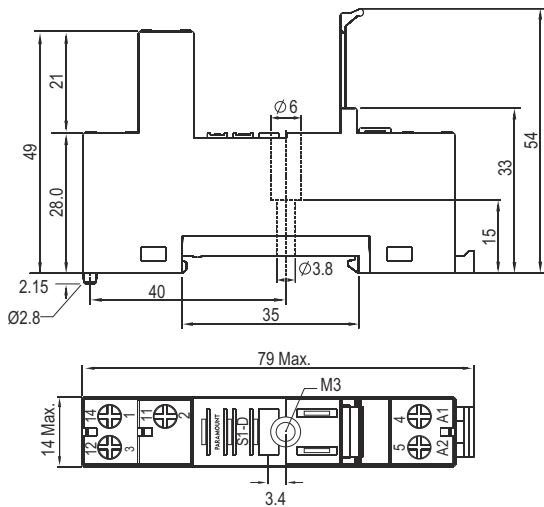
Only
14 mm
WIDE

**Input / Output Socket [10A] for
P1 CO Relays DIN Rail or Panel Mountable**

Wiring Diagram



Dimensions in mm.



Accessories

S1D-B1



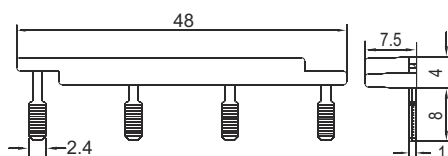
S1D-B4



Dimensions in mm.



S1D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil



S1D-B4, 10A @ 250 VAC, 4 Way Bridge for Coil

Specifications

Poles 1 Change Over Contact
Nominal load : 10A / 250V

Insulation: Di-electric strength, 1minute

Between contact and coil 5 KV
Between all terminals and DIN Rail 5 KV
Between adjacent terminals 3 KV

Brass Tin Plated Screw

Max. screw torque 1.2 Nm
Screw dimensions M3, Pozi

Wire in-lets capacity:

Solid Wire 4 mm² or 2 x 2.25 mm²
Multi core 22 14 AWG
Ferrule tip terminals 4 mm²

Other Aspects

Weight Approx. 28 gms

DIN Rail / Panel Mountable

Integrated Relay Hold Down Clip

Removable White Marking Label

EN / DIN Sequential Numbering according to

EN 60947 & IEC 61810

Accessories

Bridge Bar S1D-B1 & S1D-B4 for Coil Terminal (A2 / 5)

Suitable Relays : P1, P1-T, P1-M

Approvals





S1D-A

Only
14 mm
WIDE

**Input / Output Socket [10A] for
P1 NO Relays DIN Rail or Panel Mountable**

Wiring Diagram



Specifications

Poles 1 Normally Open Contact
Nominal load : 10A / 250V

Insulation: Di-electric strength, 1minute

Between contact and coil 5 KV
Between all terminals and DIN Rail 5 KV
Between adjacent terminals 3 KV

Brass Tin Plated Screw

Max. screw torque 1.2 Nm
Screw dimensions M3, Pozi

Wire in-lets capacity:

Solid Wire 4 mm² or 2 x 2.25 mm²
Multi core 22 14 AWG
Ferrule tip terminals 4 mm²

Other Aspects

Weight Approx. 28 gms

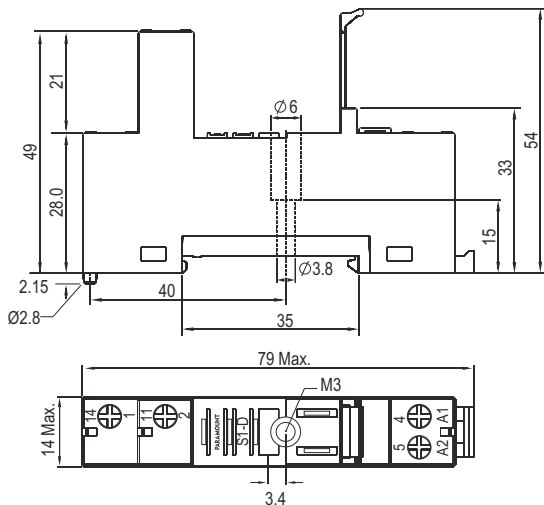
DIN Rail / Panel Mountable

Integrated Relay Hold Down Clip

Removable White Marking Label

EN / DIN Sequential Numbering according to
EN 60947 & IEC 61810

Dimensions in mm.



Accessories

S1D-B1



S1D-B4



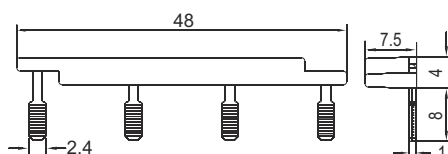
Accessories

Bridge Bar S1D-B1 & S1D-B4 for Coil Terminal (A2 / 5)

Dimensions in mm.



S1D-B1, 10A @ 250 VAC, 1 Way Bridge for Coil

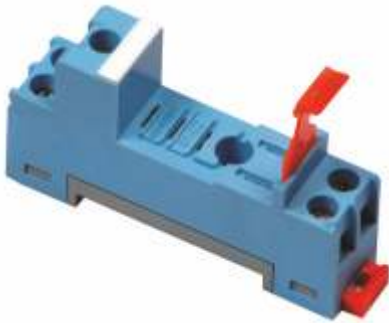


S1D-B4, 10A @ 250 VAC, 4 Way Bridge for Coil

Suitable Relays : P1-A, P1-T-A, P1-A-M

Approvals



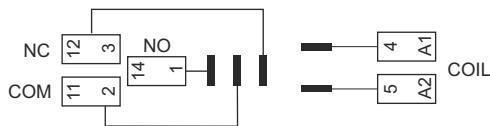


S1LD

Only
15.2 mm
WIDE

**Input / Output Socket [10A] for
P1 CO Relays DIN Rail or Panel Mountable**

Wiring diagram



Specifications

Poles 1 Change Over Contact
Nominal load : 10A / 250V

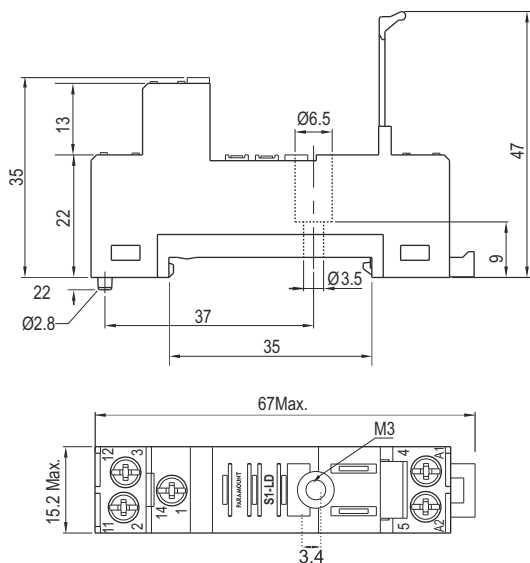
Insulation: Di-electric strength, 1minute

Between contact and coil 5 KV
Between all terminals and DIN Rail 5 KV
Between adjacent terminals 3 KV

Brass Tin Plated Screw

Max. screw torque 1.2 Nm
Screw dimensions M3, Pozi

Dimensions in mm.



Other Aspects

Weight Approx. 24 gms

DIN Rail / Panel Mountable

Integrated Relay Hold Down Clip

Removable White Marking Label

EN / DIN Sequential Numbering according to
EN 60947 & IEC 61810

Accessories



S1LD-B1



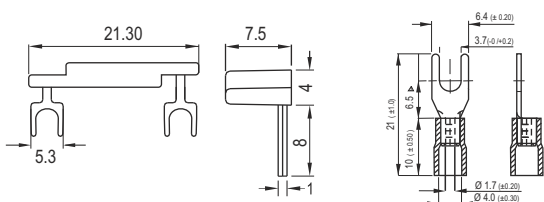
C Terminal

Accessories

S1LD-B1 - 1 Way Bridge

Fork / C - Terminal for wire connection

Dimensions in mm.



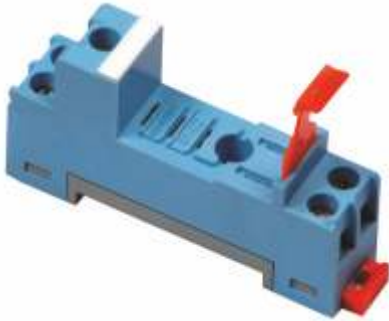
S1LD-B1
1 Way Bridge for Coil

Fork / C type crimped Terminal
used for wire connection

Suitable Relays : P1, P1-T, P1-M

Approvals





S1LD-A

Only
15.2 mm
WIDE

**Input / Output Socket [10A] for
P1 NO Relays DIN Rail or Panel Mountable**

Wiring diagram



Specifications

Poles 1 Normally Open Contact
Nominal load : 10A / 250V

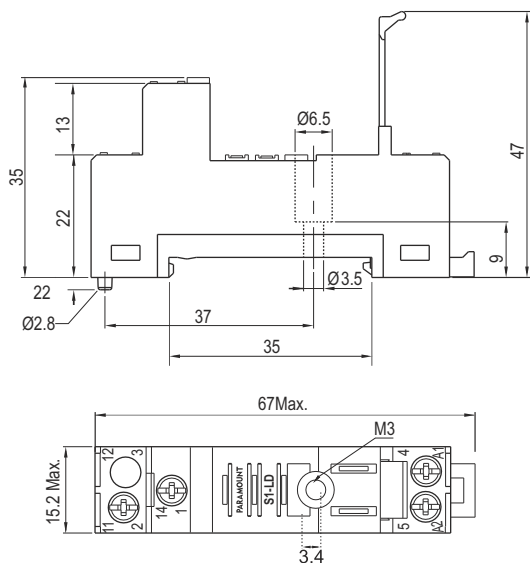
Insulation: Di-electric strength, 1minute

Between contact and coil 5 KV
Between all terminals and DIN Rail 5 KV
Between adjacent terminals 3 KV

Brass Tin Plated Screw

Max. screw torque 1.2 Nm
Screw dimensions M3, Pozi

Dimensions in mm.



Other Aspects

Weight Approx. 24 gms

DIN Rail / Panel Mountable

Integrated Relay Hold Down Clip

Removable White Marking Label

EN / DIN Sequential Numbering according to
EN 60947 & IEC 61810

Accessories



S1LD-B1



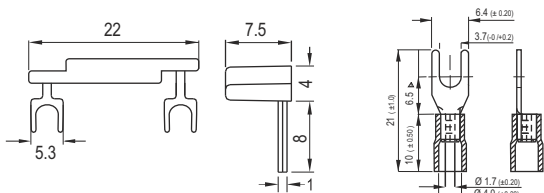
C Terminal

Accessories

S1LD-B1 - 1 Way Bridge

Fork / C - Terminal for wire connection

Dimensions in mm.



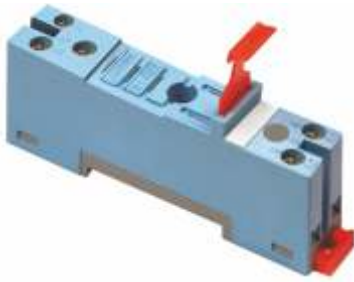
S1LD-B1
1 Way Bridge for Coil

Fork / C type crimped Terminal
used for wire connection

Suitable Relays : P1-A, P1-T-A, P1-A-M

Approvals



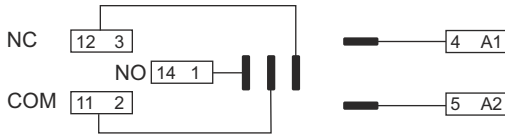


S1HD

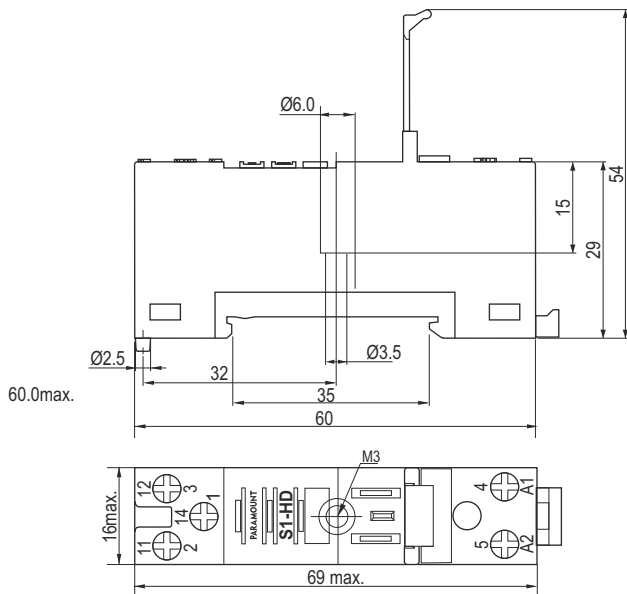
Only
16mm
WIDE

**Input / Output Socket [10A] for
P1 Relays DIN Rail or Panel Mountable**

Wiring diagram



Dimensions in mm.



Accessories

Specifications

Poles	1 Change Over Contact
Nominal load :	10A / 250V
Insulation: Di-electric strength, 1minute	
Between contact and coil	5 KV
Between all terminals and DIN Rail	5 KV
Between adjacent terminals	3 KV
Hard Brass Tin Plated Terminals	
Brass Tin Plated Screw	
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Wire in-lets capacity:	
Solid Wire	4 mm ² or 2 x 2.25 mm ²
Multi core	22 14 AWG
Ferrule tip terminals	4 mm ²

Other Aspects

Weight Approx.	28 gms.
DIN Rail / Panel Mountable	
Integrated Relay Hold Down Clip	
Removable White Marking Label	
EN / DIN Sequential Numbering according to EN 60947 & IEC 61810	

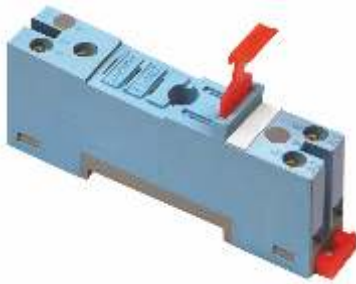
Accessories

Dimensions in mm.

Suitable Relays : P1, P1-T, P1-M

Approvals



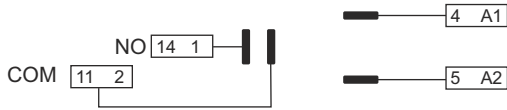


S1HD-A

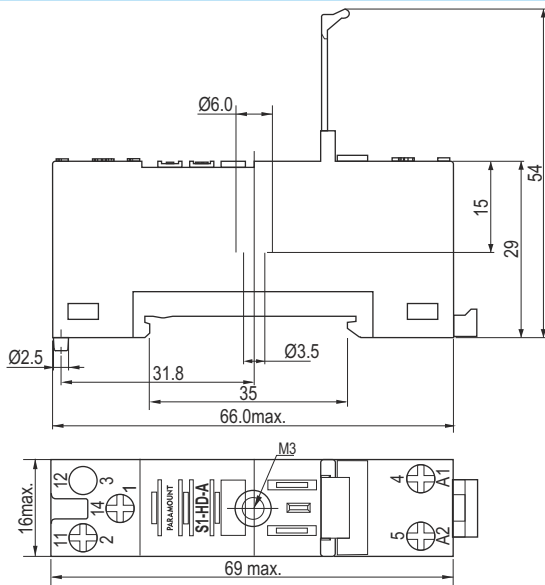
Only
16mm
WIDE

**Input / Output Socket [10A] for
P1 NO Relays DIN Rail or Panel Mountable**

Wiring diagram



Dimensions in mm.



Specifications

Poles	1 Normally Open Contact
Nominal load :	10A / 250V
Insulation: Di-electric strength, 1minute	
Between contact and coil	5 KV
Between all terminals and DIN Rail	5 KV
Between adjacent terminals	3 KV
Hard Brass Tin Plated Terminals	
Brass Tin Plated Screw	
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Wire in-lets capacity:	
Solid Wire	4 mm ² or 2 x 2.25 mm ²
Multi core	22 14 AWG
Ferrule tip terminals	4 mm ²

Other Aspects

Weight Approx.	28 gms.
DIN Rail / Panel Mountable	
Integrated Relay Hold Down Clip	
Removable White Marking Label	
EN / DIN Sequential Numbering according to	
EN 60947 & IEC 61810	

Accessories

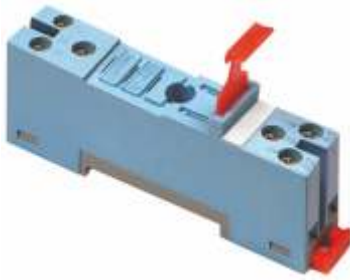
Accessories

Dimensions in mm.

Suitable Relays : P1-A, P1-T-A, P1-A-M

Approvals



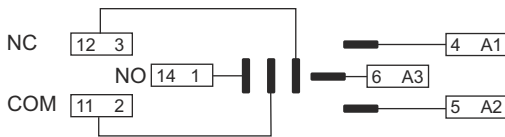


S1HD-L

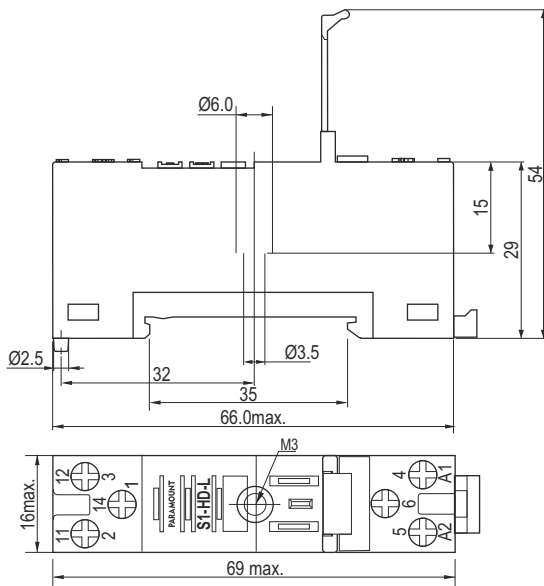
Only
16mm
WIDE

**Input / Output Socket [10A] for
P1 Latching Relays
DIN Rail or Panel Mountable**

Wiring diagram



Dimensions in mm.



Accessories

Specifications

Poles	1 Change Over Contact
Nominal load :	10A / 250V
Insulation: Di-electric strength, 1minute	
Between contact and coil	5 KV
Between all terminals and DIN Rail	5 KV
Between adjacent terminals	3 KV
Hard Brass Tin Plated Terminals	
Brass Tin Plated Screw	
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Wire in-lets capacity:	
Solid Wire	4 mm ² or 2 x 2.25 mm ²
Multi core	22 14 AWG
Ferrule tip terminals	4 mm ²

Other Aspects

Weight Approx.	28 gms.
DIN Rail / Panel Mountable	
Integrated Relay Hold Down Clip	
Removable White Marking Label	
EN / DIN Sequential Numbering according to	
EN 60947 & IEC 61810	

Accessories

Accessories

Dimensions in mm.

Approvals



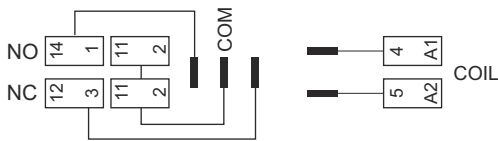


S10 K

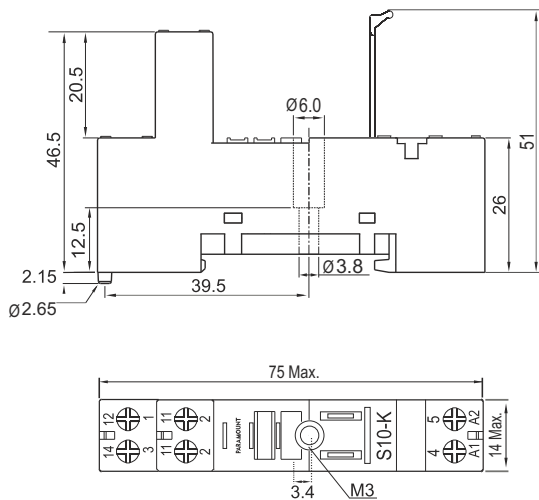
Only
14mm
WIDE

**Input / Output Socket [10A] for
P1 Relays DIN Rail or Panel Mountable**

Wiring diagram



Dimensions in mm.



Specifications

Poles	1 Change Over Contact
Nominal load :	10A / 250V
Insulation: Di-electric strength, 1minute	
Between contact and coil	5 KV
Between all terminals and DIN Rail	5 KV
Between adjacent terminals	3 KV
Hard Brass Tin Plated Terminals	
Brass Tin Plated Screw	
Max. screw torque	1.2 Nm
Screw dimensions	M3, Pozi
Wire in-lets capacity:	
Solid Wire	4 mm ² or 2 x 2.25 mm ²
Multi core	22 14 AWG
Ferrule tip terminals	4 mm ²

Other Aspects

Weight Approx.	28 gms.
DIN Rail / Panel Mountable	
Integrated Relay Hold Down Clip	
Removable White Marking Label	
EN / DIN Sequential Numbering according to	
EN 60947 & IEC 61810	

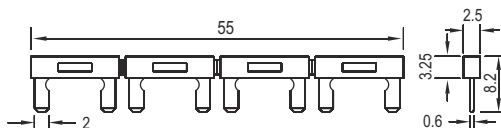
Accessories



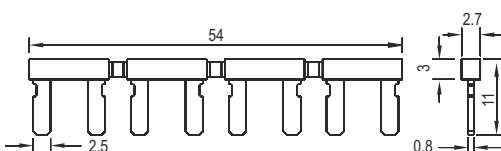
Accessories

Bridge Bar S10K-BB for Coil Terminal (A2 / 5) &
Bridge Bar S10K-B1 for Change Over Terminal (11/2)

Dimensions in mm.



S10K-BB, 10A @ 250 VAC, 4 Way Bridge for Coil



S10K-B1, 10A @ 250 VAC, 4 Way Bridge for Change Over

Note : In the S10K sockets the Change Over Contact Terminals (11/2) can be looped externally with S10K-B4 bridges.

Suitable Relays : P1-P1-T, P1-M

Approvals



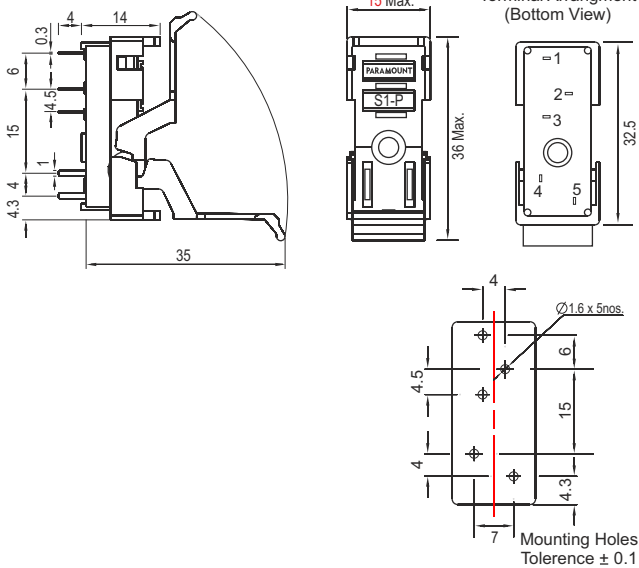


S1-P

Printed Circuit Board Socket for P1 Relays

Dimensions

in mm.



Specifications

Nominal load	10A / 250 V
Dielectric strength 1 min.	
Coil terminals to contacts	5 KV
Hard brass tin-plated terminals	0.3 x 1mm
Integrated Relay Hold Down Clip	
Weight Approx.	6 gms.

Ordering Information

Classification	Coil Ratings	Standard Types - SPDT (1C/O)
General Purpose	AC / DC	P1-F
LED Indicator & Flag Indicator		P1-FP
LED Indicator with Flag Indicator, Free Wheeling & Polarity Diode	DC	P1-FPZ
LED Indicator with Flag Indicator, Free Wheeling & Polarity Diode, Lockable & Manual Push Button		P1-FPZI

P1 ☐ ☐ ☐ ☐ ☐ ☐
1 2 3 4 5 6

1 : Relay Type

Blank : General Purpose / Standard

2 : Contact Form

Blank : SPDT (1 C/O)
A : SPST-NO(1NO)

3 Contact Type

Blank : Single
T : Twin Contact (Bifurcated):

4 : Features

Blank : No features / Standard
F : Mechanical Flag Indicator
P : LED Indicator
Z : Free Wheeling + Polarity Diode
I : Lockable + Manual Push Button
B : Bridge rectifier
R : R/C (Snubber Circuit)
M : Magnetic Blow Out
L : Latching Relays

5 : Contact Material

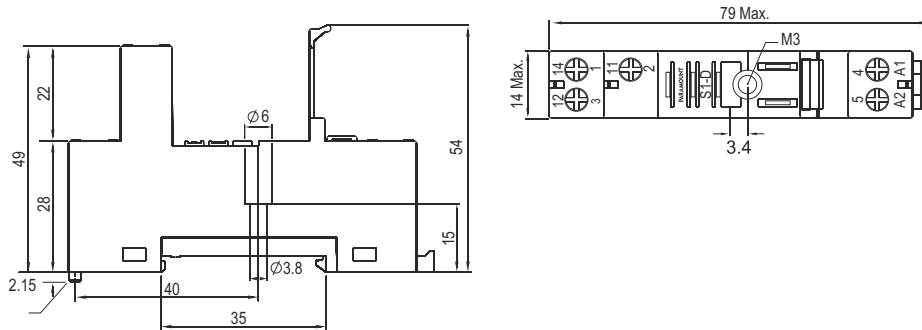
Blank : AgNi

6 : Rated Coil Voltage

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

Example : P1-FPZI-24VDC means Standard, SPDT (1 C/O Contact), with Mechanical Operation Indicator, with LED Indicator, with Free Wheeling and Polarity Diode, with Lockable and Manual Push Button, with AgNi Contacts and 24 VDC Coil

S1D is the World's most compact (14mm width) DIN Rail Mountable Socket for the relays with the below Pitch & Pin configuration



14mm width of the S1D DIN Rail Mountable Socket allows to mount 68 sockets on a Standard 35 mm Din Rail with a length of 1 meter / 1000 mm length (with a provision

Generally the PLC (Programmable Logic Controller) / DCS (Distributed Control System) output is 64 Bit output which requires 64 Relays to drive the load.

All the 64 Relays driven by a particular PLC / DCS can be mounted on a single 35 mm standard 1 Mt / 1000 mm Din Rail along with a provision to mount 4 Spare Relays.

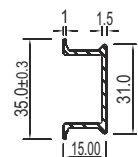
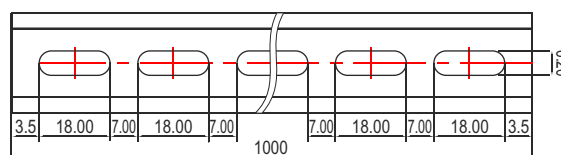
The provision to mount 64 Relays on a single 35 mm Din Rail with 1 mt / 1000 length makes the wiring, identification of the relays from a particular PLC / DCS & maintenance very easy and convenient.

Mounting Tracks

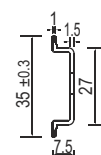
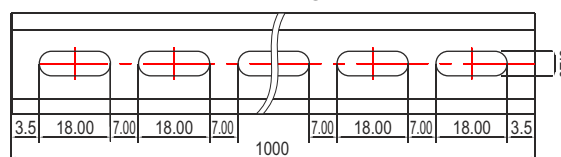
All Dimensions in mm



PDR-15



PDR-7.5





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Fax : +91-80-23302574, 28520623

Email : info@paramount.net.in

Website : www.paramount.net.in