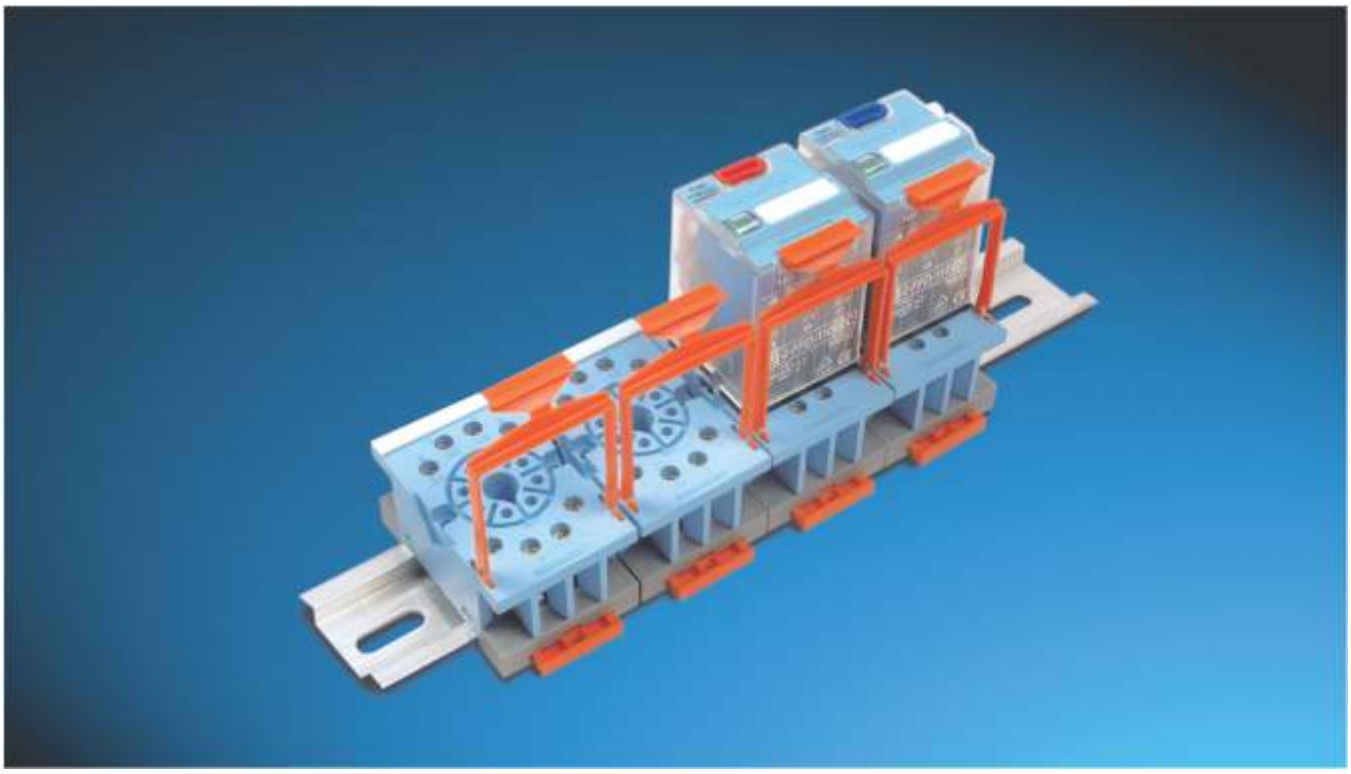
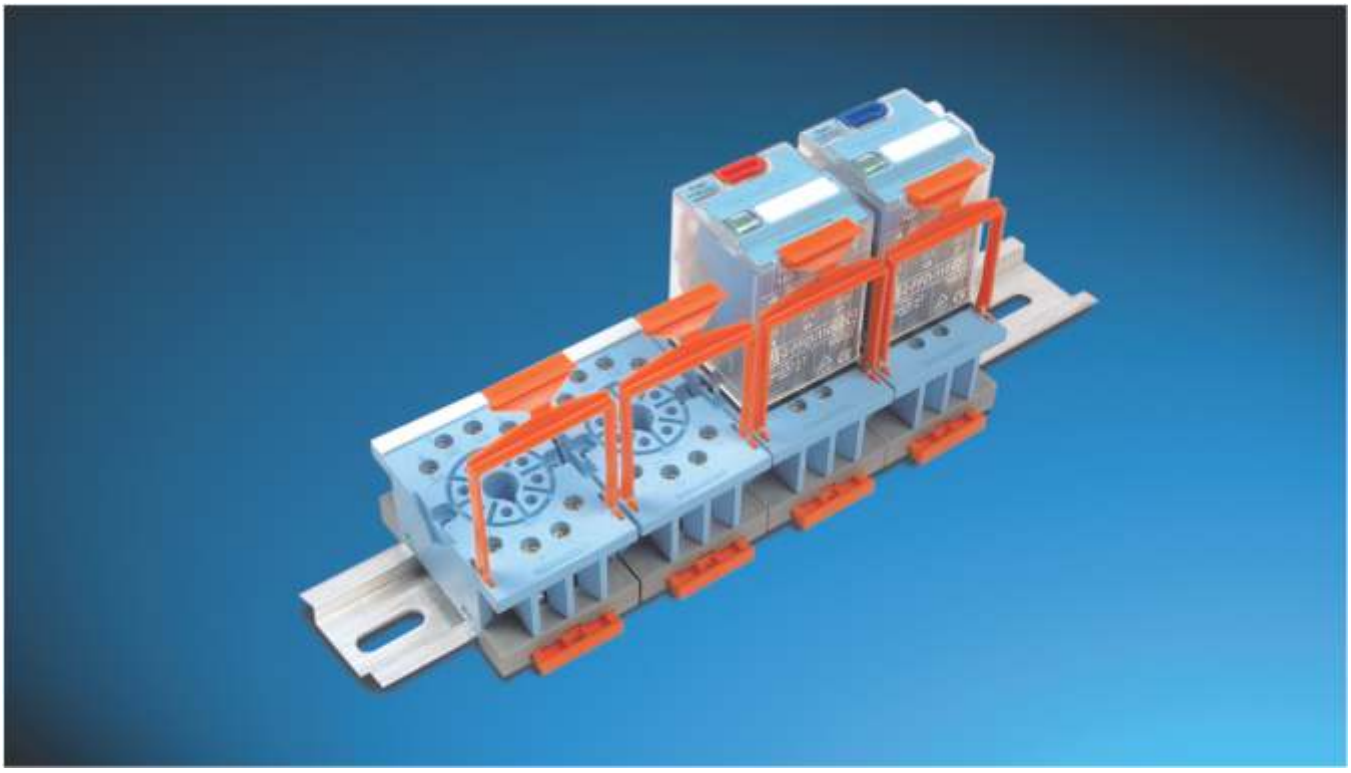
PARAMOUNT
EXPECT MORE...

Catalogue

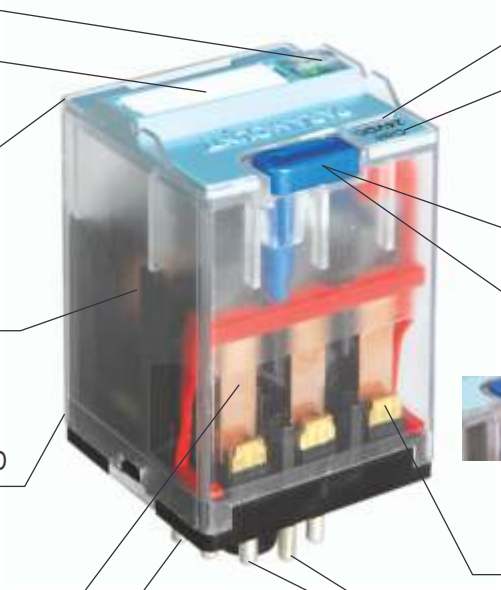
Series P3 3C/O Relay



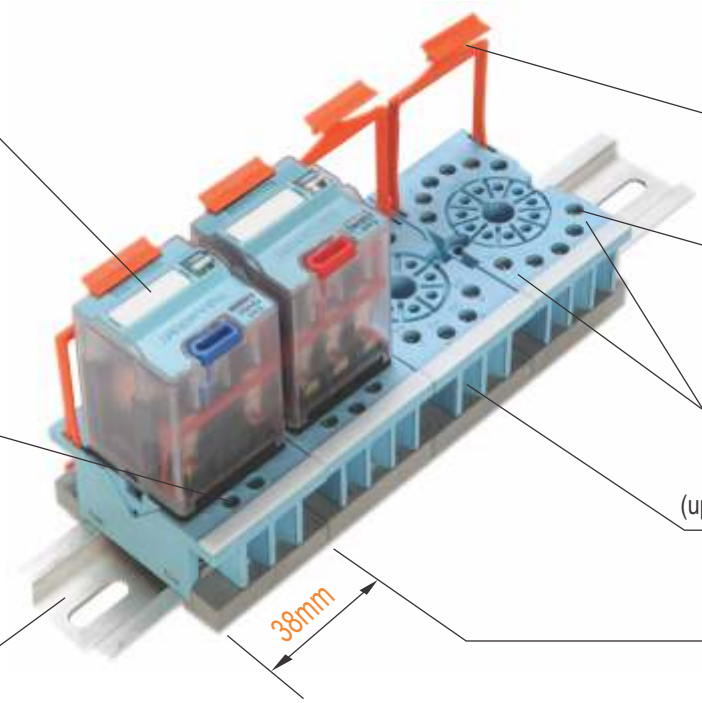


PARAMOUNT
EXPECT MORE...

Benefits of the new C Plus system

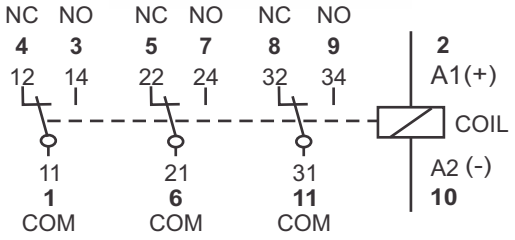


P3 is a Two & Three Pole Industrial Plug In Relay with all the In-built Mechanical and Electronic Features.



S8D & S11D is a Two Pole & Three Pole Touch protected Interface Socket.

PARAMOUNT
EXPECT MORE...



P3-3

General Purpose 3 C/O Contacts
10 A 250V AC1 0.5 A 110V DC1
10 A 30V DC1 0.2 A 220V DC1

Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-

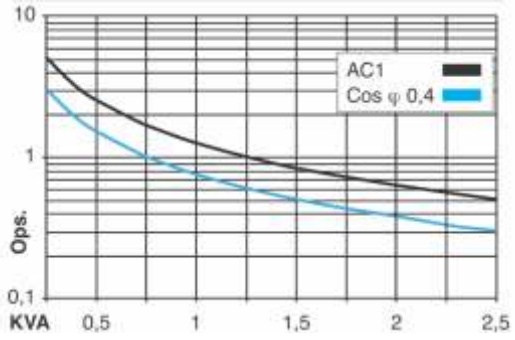
Coils (Ohms ± @ 20ºC)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

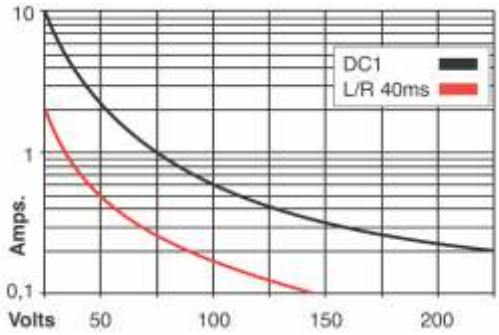
Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

VAC	Ohms	VDC	Ohms
6	3.15	6	33
12	13.3	12	115
24	52	24	480
48	240	48	1850
110	1120	110	9000
230	5600	220	29000

Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



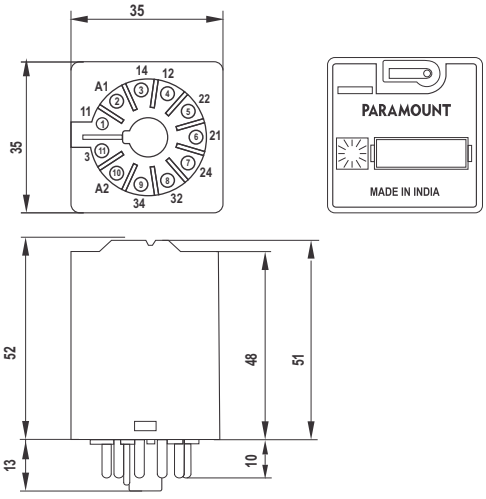
Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Dimensions in mm.



Standard Types

AC : 6, 12, 24, 48, 110, 230

F = Mechanical Flag Indicator	**P3-3-F**	**.... VAC**
P = LED Indicator	**P3-3-FP**	**.... VAC**
I = Lockable Push Button	**P3-3-FPI**	**.... VAC**
R = RC Circuit	**P3-3-FIR**	**.... VAC**

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

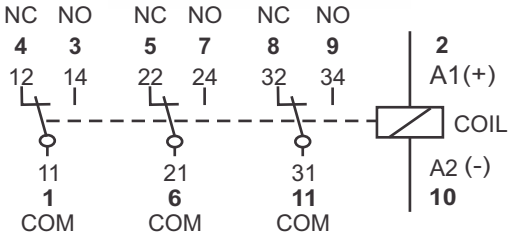
F = Mechanical Flag Indicator	**P3-3-F**	**.... VDC**
P = LED	**P3-3-FP**	**.... VDC**
I = Lockable Push Button	**P3-3-FPI**	**.... VDC**
W =Wheeling Diode	**P3-3-FPZW**	**.... VDC**
Z = Polarity & Free Wheeling Diode	**P3-3-FPZI**	**.... VDC**
B = AC/DC Bridge Rectifier	**P3-3-FPIB**	**.... VAD**

Suitable Sockets : S11D

Approvals

TÜV

PARAMOUNT
EXPECT MORE...



P3-3A

General Purpose 3 C/O Contacts
10 A 250V AC1 0.5 A 110V DC1
10 A 30V DC1 0.2 A 220V DC1

Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-

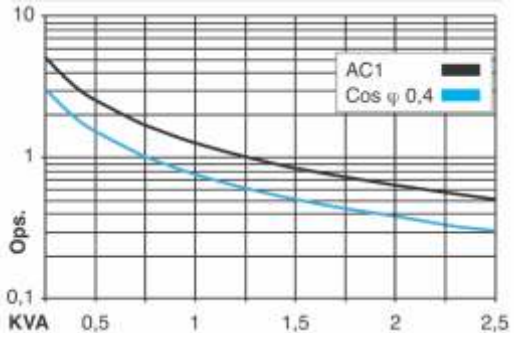
Coils (Ohms ± @ 20ºC)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

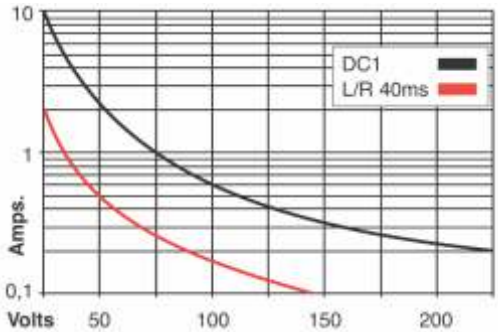
Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

VAC	Ohms	VDC	Ohms
6	3.15	6	33
12	13.3	12	115
24	52	24	480
48	240	48	1850
110	1120	110	9000
230	5600	220	29000

Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



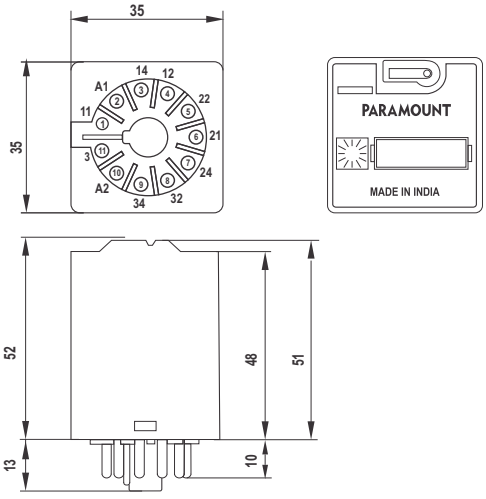
Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Dimensions in mm.



Standard Types

AC : 6, 12, 24, 48, 110, 230

F = Mechanical Flag Indicator	**P3-3A-F .... VAC**
P = LED Indicator	**P3-3A-FP .... VAC**
I = Lockable Push Button	**P3-3A-FPI .... VAC**
R = RC Circuit	**P3-3A-FIR .... VAC**

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

F = Mechanical Flag Indicator	**P3-3A-F .... VDC**
P = LED	**P3-3A-FP .... VDC**
I = Lockable Push Button	**P3-3A-FPI .... VDC**
W =Free wheeling Diode	**P3-3A-FPZW .... VDC**
Z = Polarity & Free Wheeling Diode	**P3-3A-FPZI .... VDC**
B = AC/DC Bridge Rectifier	**P3-3A-FPIB .... VAD**

Suitable Sockets : S11D

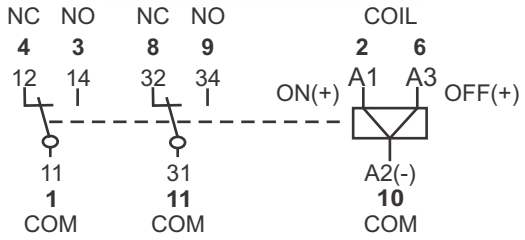
Approvals

TÜV CE cULus cSPus

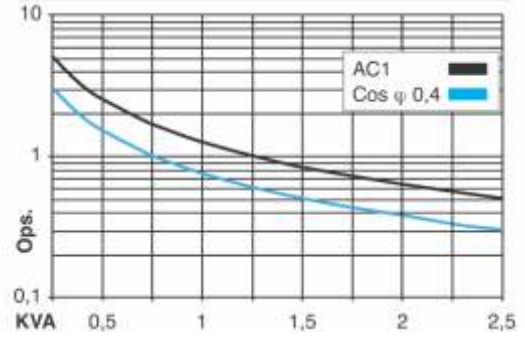
PARAMOUNT
EXPECT MORE...

P3-2.....L

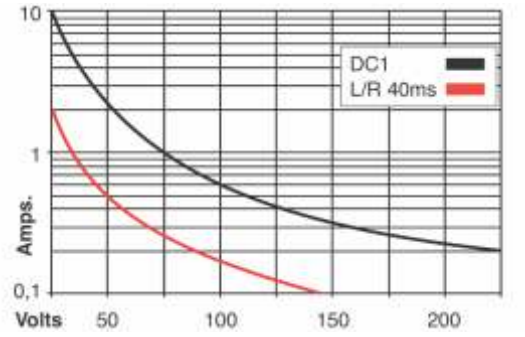
Magnetically Latching 2C/O Contact
10 A 250V AC1 0.5 A 110V DC1
10 A 30V Dc1 0.2 A 220V DC1



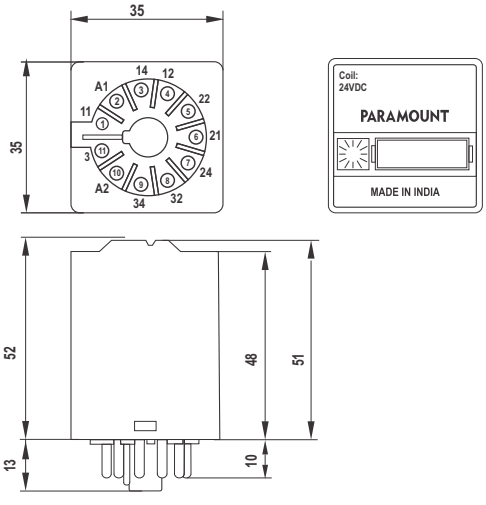
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials : Standard
AgNi

Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-

Coils (Ohms ± @ 20°C)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- 1) The Input ON & OFF Pulse Width Should be Min. 500ms
2) For Non Standard Coil Voltages. Please Contact Factory

Standard Types

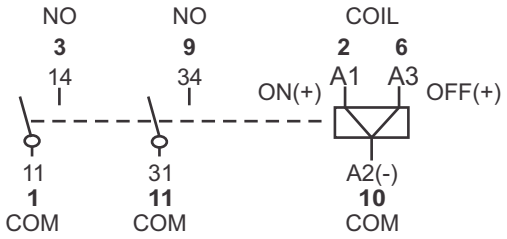
DC : 12, 24, 110 , 220
L = Latching Relay **P3-2-L .... VDC**

Suitable Sockets : S11D

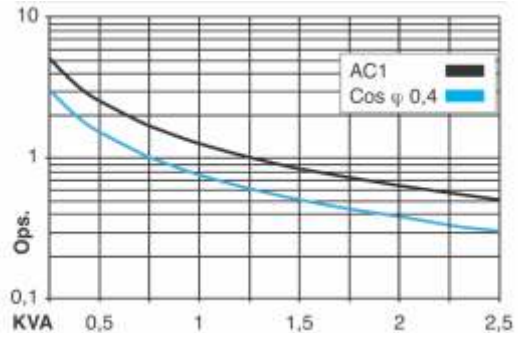
Approvals

TÜV CE cULus

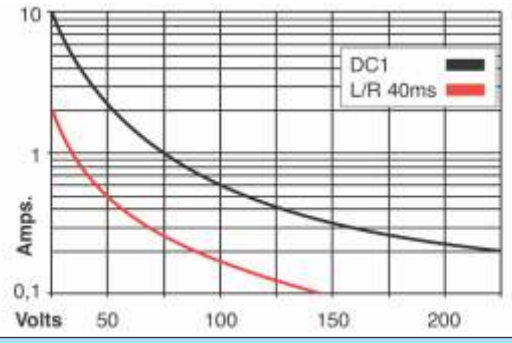
PARAMOUNT
EXPECT MORE...



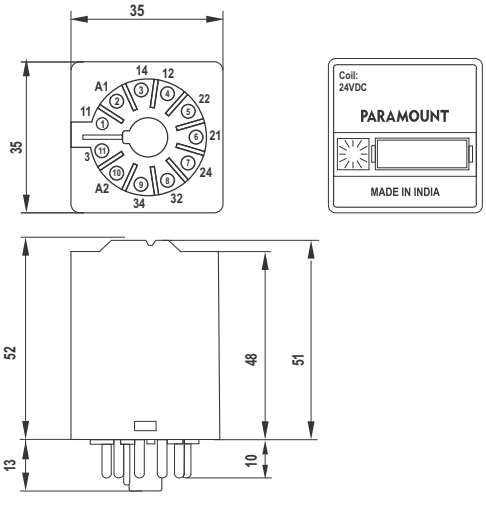
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



P3-2A.....L

Magnetically Latching 2N/O Contact

10 A 250V AC1 0.7 A 110V DC1

10 A 30V DC1 0.4 A 220V DC1

Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-

Coils (Ohms ± @ 20°C)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**
Nominal Coil Power	1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Insulation

Dielectric Strength (1 minute) : open contacts	2000 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- 1) The Input ON & OFF Pulse Width Should be Min. 500ms
2) For Non Standard Coil Voltages. Please Contact Factory

Standard Types

DC : 12, 24, 110 , 220
L = Latching Relay

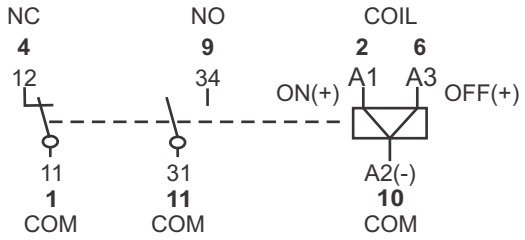
P3-2A-L .... VDC

Suitable Sockets : S11D-A

Approvals

TÜV CE cULus

PARAMOUNT
EXPECT MORE...



P3-X.....L

Magnetically Latching 1NO + 1NC Contact
10 A 250V AC1 0.7 A 110V DC1
10 A 30V DC1 0.4 A 220V Dc1

Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-
Coils (Ohms ± @ 20ºC)	
Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Insulation

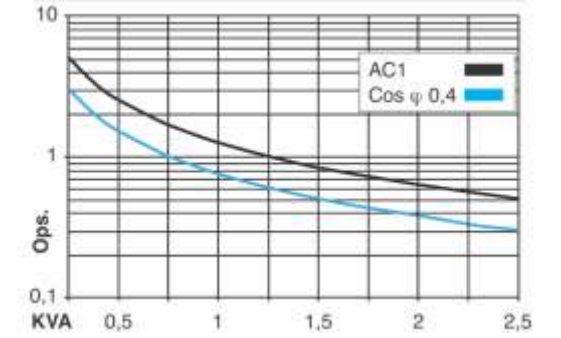
Dielectric Strength (1 minute) : open contacts	2000 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

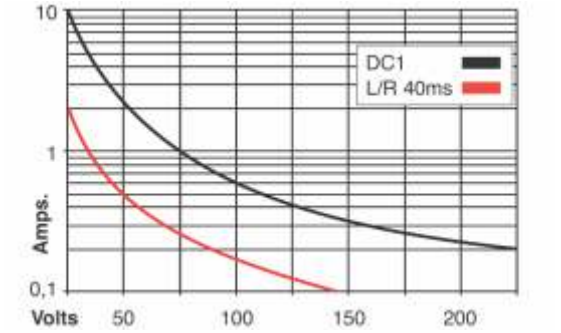
Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- 1) The Input ON & OFF Pulse Width Should be Min. 500ms
2) For Non Standard Coil Voltages. Please Contact Factory

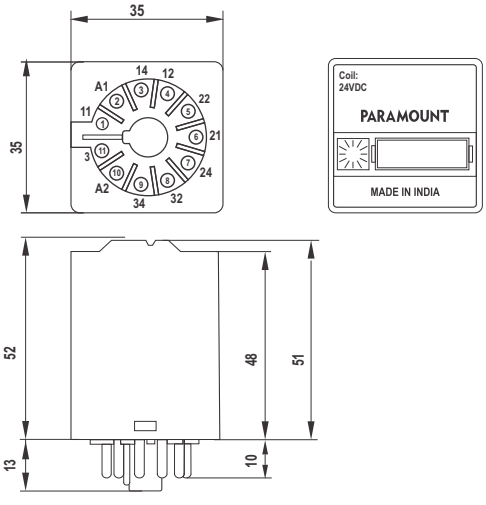
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



Standard Types

DC : 12, 24, 110 , 220
L = Latching Relay

P3-X-L .... VDC

Suitable Sockets : S11D

Approvals

TÜV CE cULus

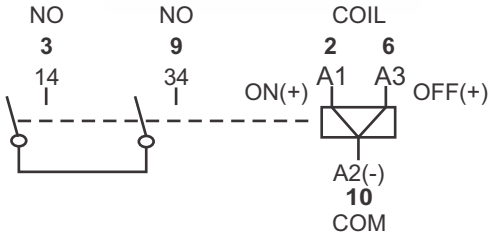
PARAMOUNT
EXPECT MORE...

P3-Y.....L

Magnetically Latching 1NO Double Break Contact

10 A 250V AC1 7.0 A 110V DC1

10 A 30V DC1 1.2 A 220V DC1



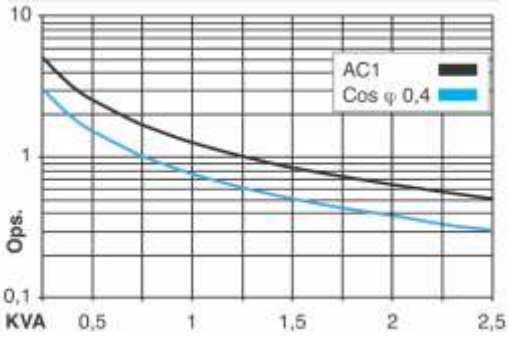
Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-
Coils (Ohms ± @ 20ºC)	
Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

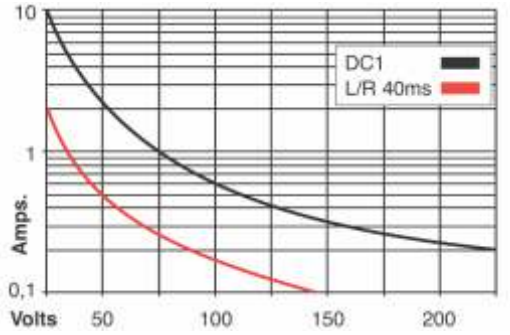
Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Insulation

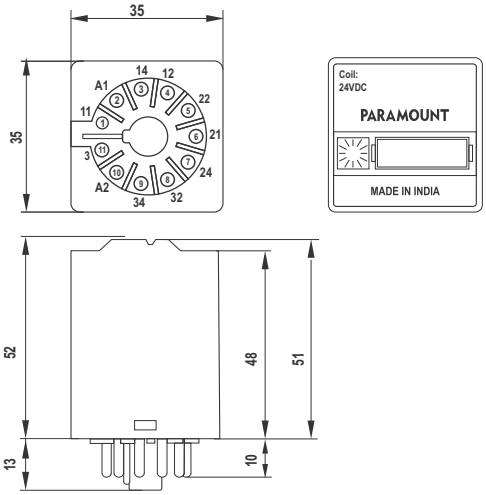
Dielectric Strength (1 minute) : open contacts	2000 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- **1) The Input ON & OFF Pulse Width Should be Min. 500ms**
2) For Non Standard Coil Voltages. Please Contact Factory

Dimensions in mm.



Standard Types

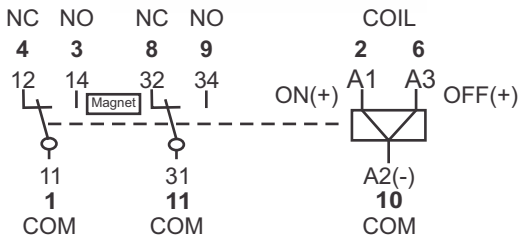
DC : 12, 24, 110 , 220
L = Latching Relay **P3-Y-L .... VDC**

Suitable Sockets : S11D-A

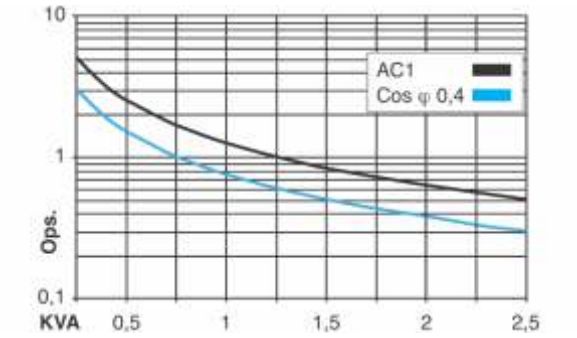
Approvals

TÜV CE cULus

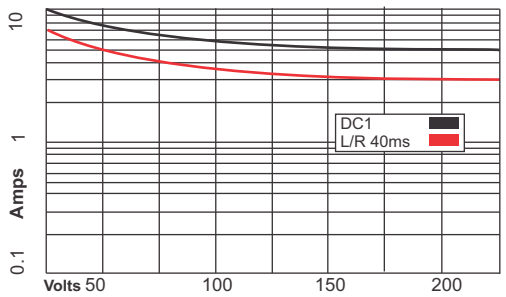
PARAMOUNT
EXPECT MORE...



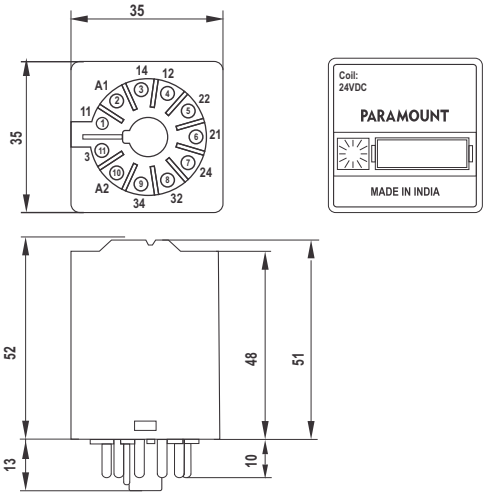
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



P3-2.....LM

Magnetically Latched 2C/O Relay with Magnetic Blow Out

10 A 250V AC1 5 A 220V DC1

10 A 30V DC1 3 A 220V DC13

Contacts

Materials :	Standard	AgNi
	Optional 1	AgNi + Au 0.2 µ
	Optional 2	AgNi + Au 5.0 µ
Max. Switching Current		10A
Max. Peak Inrush Current (20 ms)		30A
Max. Switching Voltage		250 VAC
Switching Power range		0.3 VA (W) to 2500 VAz
Max. Contact Resistance		20m Ω
Max. AC Load (Table 1)		2.5 KVA
Max. DC Load (See Table 2)		-
Coils (Ohms ± @ 20ºC)		
Pull-in Voltage		≤ 0.8x**Un**
Drop-out Voltage		≥ 0.1x**Un**

Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- **1) The Input ON & OFF Pulse Width Should be Min. 500ms**
2) For Non Standard Coil Voltages. Please Contact Factory

Standard Types

DC : 12, 24, 110 , 220
L = Latching Relay
M = Magnetic Blow Out

P3-2-LM .... VDC

Suitable Sockets : S11D

Approvals

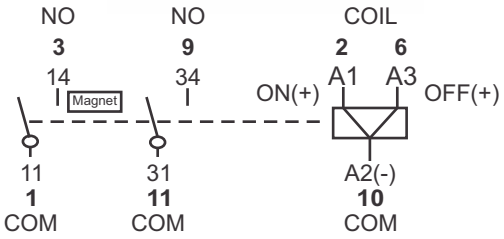
TÜV CE cULus

PARAMOUNT
EXPECT MORE...

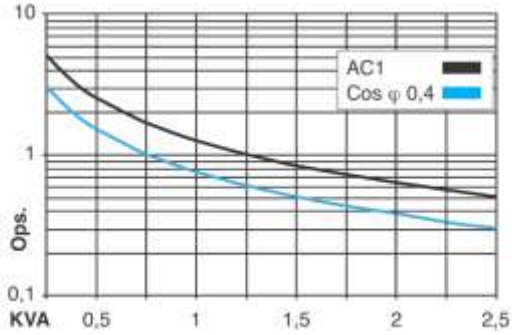
P3-2A.....LM

Magnetically Latched 2N/O Relay with Magnetic Blow Out

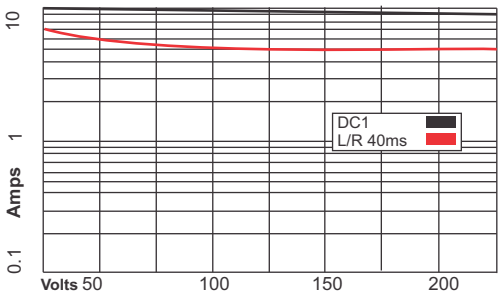
10 A 250V AC1 10 A 220V DC1
10 A 30V DC1 5 A 220V DC13



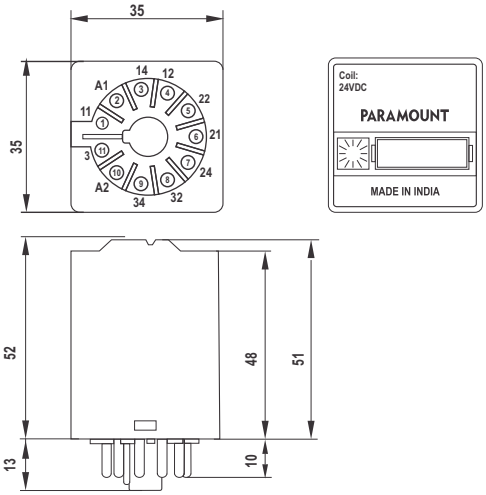
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials :	Standard	AgNi
	Optional 1	AgNi + Au 0.2 µ
	Optional 2	AgNi + Au 5.0 µ
Max. Switching Current		10A
Max. Peak Inrush Current (20 ms)		30A
Max. Switching Voltage		250 VAC
Switching Power range		0.3 VA (W) to 2500 VAz
Max. Contact Resistance		20m Ω
Max. AC Load (Table 1)		2.5 KVA
Max. DC Load (See Table 2)		-

Coils (Ohms ± @ 20°C)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequeny at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- **1) The Input ON & OFF Pulse Width Should be Min. 500ms**
2) For Non Standard Coil Voltages. Please Contact Factory

Standard Types

DC : 12, 24, 110 , 220
L = Latching Relay
M = Magnetic Blow Out

P3-2A-LM .... VDC

Suitable Sockets : S11D-A

Approvals

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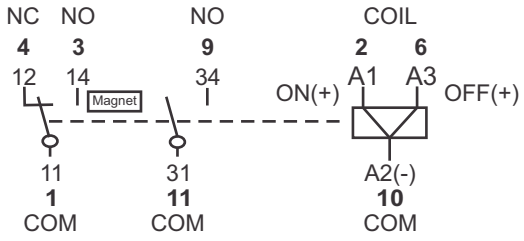
PARAMOUNT
EXPECT MORE...

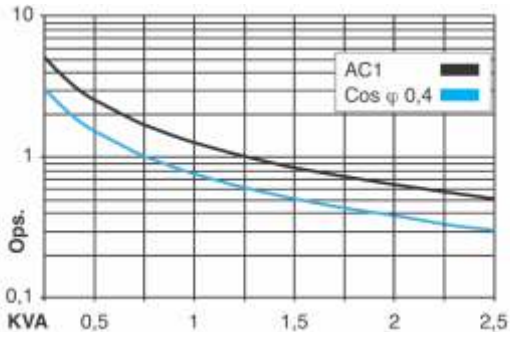
P3-X.....LM

Magnetically Latched 1NO+1NC Relay with Magnetic Blow Out

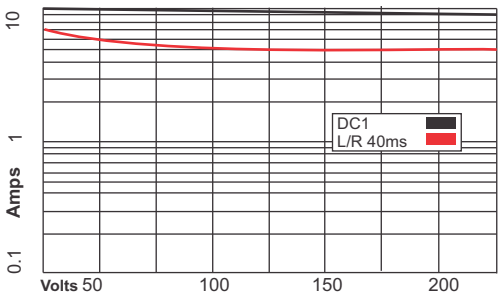
10 A 250V AC1 10 A 220V DC1
10 A 30V DC1 5 A 220V DC13



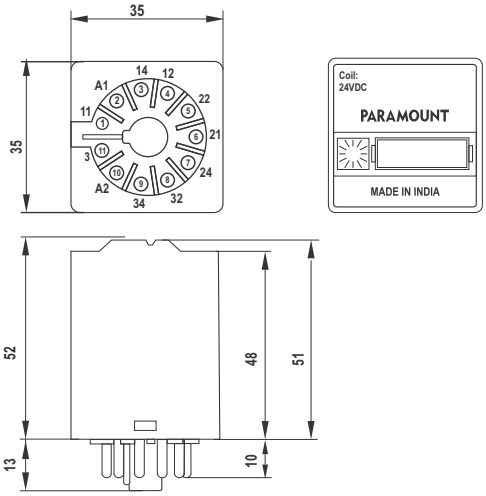
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



Contacts

Materials :	Standard	AgNi
	Optional 1	AgNi + Au 0.2 µ
	Optional 2	AgNi + Au 5.0 µ
Max. Switching Current		10A
Max. Peak Inrush Current (20 ms)		30A
Max. Switching Voltage		250 VAC
Switching Power range		0.3 VA (W) to 2500 VAz
Max. Contact Resistance		20m Ω
Max. AC Load (Table 1)		2.5 KVA
Max. DC Load (See Table 2)		-
Coils (Ohms ± @ 20ºC)		
Pull-in Voltage		≤ 0.8x**Un**
Drop-out Voltage		≥ 0.1x**Un**

Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- **1) The Input ON & OFF Pulse Width Should be Min. 500ms**
2) For Non Standard Coil Voltages. Please Contact Factory

Standard Types

DC : 12, 24, 110 , 220
L = Latching Relay
M = Magnetic Blow Out

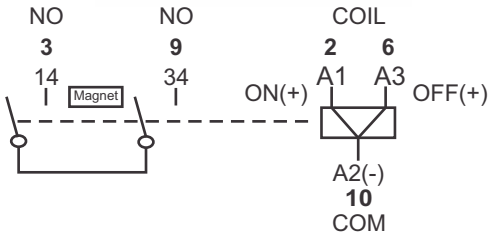
P3-X-LM .... VDC

Suitable Sockets : S11D

Approvals

TÜV CE cULus

PARAMOUNT
EXPECT MORE...



P3-Y.....LM

Magnetically Latched 1NO Double Break Relay with Magnetic Blow Out

10 A 250V AC1 10 A 220V DC1
10 A 30V DC1 7 A 220V DC13

Contacts

Materials : Standard
AgNi

Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	10A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-

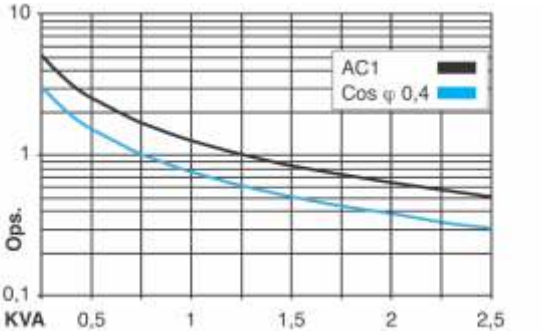
Coils (Ohms ± @ 20°C)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**

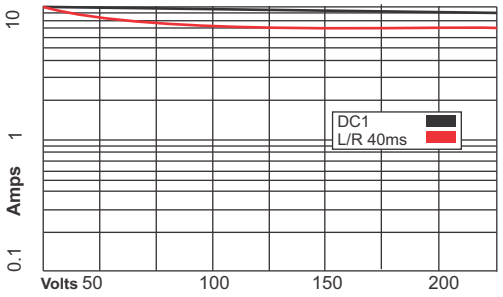
Nominal Coil Power 1.6 VA (AC / 1.3 W (DC)

Coil Voltage	ON Coil Resistance	OFF Coil Resistance	Must Switch ON/OFF Voltage
12 VDC	90 Ω	104 Ω	≤ 9 VDC
24 VDC	360 Ω	430 Ω	≤ 18 VDC
110 VDC	5000 Ω	3800 Ω	≤ 88 VDC
220 VDC	12500 Ω	19700 Ω	≤ 176 VDC

Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Insulation

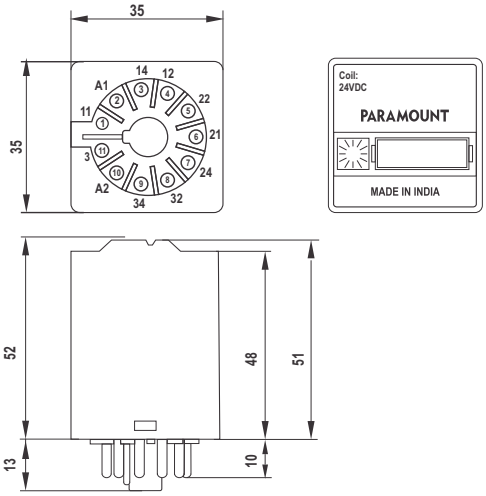
Dielectric Strength (1 minute) : open contacts	2000 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	> 200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	15+3 ms
Operate / Release & Bounce Time Max. for AC	16+8 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Note :- **1) The Input ON & OFF Pulse Width Should be Min. 500ms**
2) For Non Standard Coil Voltages. Please Contact Factory

Dimensions in mm.



Standard Types

DC : 12, 24, 110 , 220
L = Latching Relay
M = Magnetic Blow Out **P3-Y-LM .... VDC**

Suitable Sockets : S11D-A

Approvals

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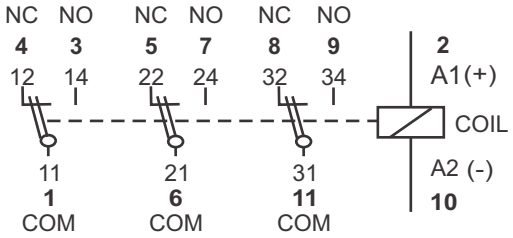
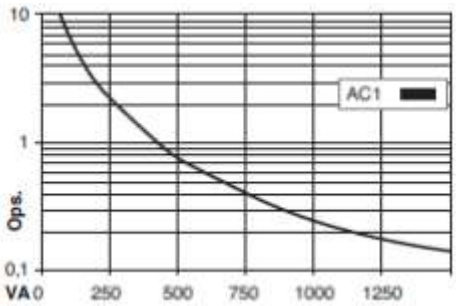
PARAMOUNT
EXPECT MORE...

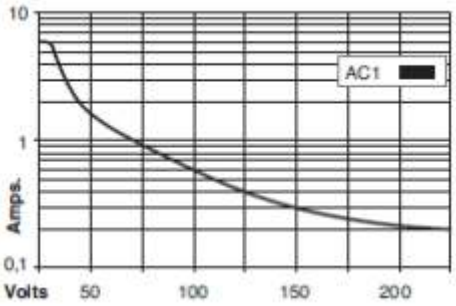
P3-3T



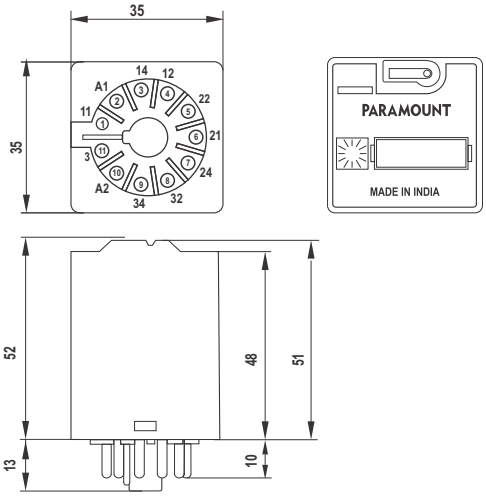
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



3C/O Bifurcated Contacts
6 A 250V AC1 0.1 A 110V DC1
6 A 30V DC1 Min. Contact Load: 1mA 5VDC1

Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	6A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.05 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-
Coils (Ohms ± @ 20ºC)	
Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**
Nominal Coil Power	1.6 VA (AC / 1.3 W (DC)

VAC	Ohms	VDC	Ohms
6	3.15	6	33
12	13.3	12	116
24	52	24	480
48	240	48	1850
110	1120	110	9000
230	5600	220	29000

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Standard Types

AC : 6, 12, 24, 48, 110, 230
T = Twin Contact

F = Mechanical Flag Indicator	**P3-3T-F .... VAC**
P = LED Indicator	**P3-3T-FP .... VAC**
I = Lockable Push Button	**P3-3T-FPI .... VAC**
R = RC Circuit	**P3-3T-FIR .... VAC**
DC : 6, 12, 24, 48, 110 , 220	
F = Mechanical Flag Indicator	**P3-3T-F .... VDC**
P = LED	**P3-3T-FP .... VDC**
I = Lockable Push Button	**P3-3T-FPI .... VDC**
Z = Polarity & Free Wheeling Diode	**P3-3T-FPZI .... VDC**
B = AC/DC Bridge Rectifer	**P3-3T-FPIB ....VDC**

Suitable Sockets : S11D

Approvals

TÜV

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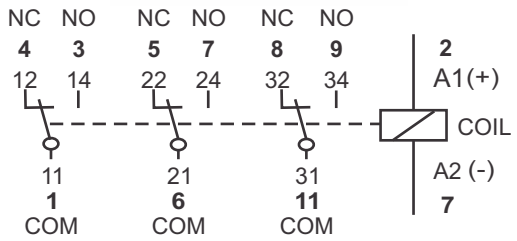
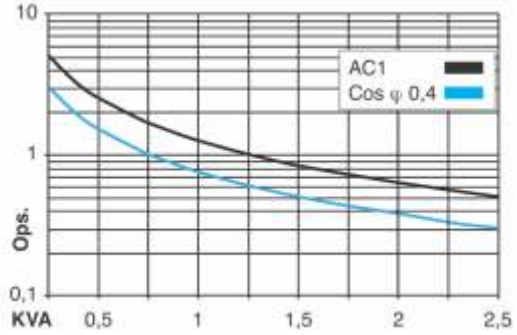
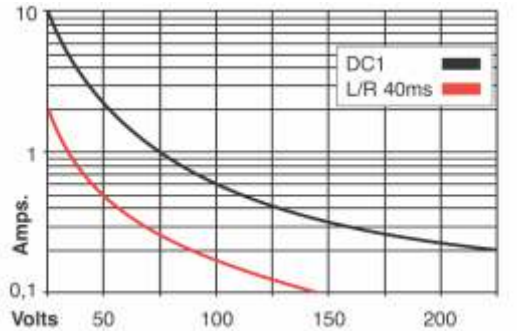
EXPECT MORE...



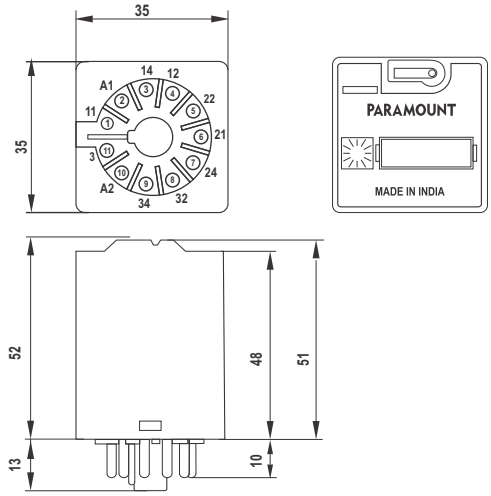
Graph 1 Electrical life, ops x 10^6



Graph 2 Max. DC load



Dimensions in mm.



P3-3.....H

Long Life Relay 3C/O Contacts

10 A 250V AC1 0.5 A 110VDC1

10 A 30V DC1 0.2 A 220VDC1

Contacts

Materials :	Standard	AgNi
	Optional 1	AgNi + Au 0.2 µ
	Optional 2	AgNi + Au 5.0 µ
Max. Switching Current		10A
Max. Peak Inrush Current (20 ms)		30A
Max. Switching Voltage		250 VAC
Switching Power range		03 VA (W) to 2500 Vaz
Max. Contact Resistance		20m Ω
Max. AC Load (Table 1)		2.5 KVA
Max. DC Load (See Table 2)		-

Coils (Ohms ± @ 20ºC)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**
Nominal Coil Power	1.6 VA (AC / 1.3 W (DC)

VAC	Ohms	VDC	Ohms
6	3.15	6	33
12	13.3	12	115
24	52	24	480
48	240	48	1850
110	1120	110	9000
230	5600	220	29000

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	**≥ 700,000 ops.**
Operating Frequency at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Standard Types

AC : 6, 12, 24, 48, 110, 230

H = Long Life Relay

F = Mechanical Flag Indicator	**P3-3-F-H .... VAC**
P = LED Indicator	**P3-3-FP-H .... VAC**
I = Lockable Push Button	**P3-3-FPI-H .... VAC**
R = RC Circuit	**P3-3-FIR-H .... VAC**

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

F = Mechanical Flag Indicator	**P3-3-F-H .... VDC**
P = LED	**P3-3-FP-H .... VDC**
I = Lockable Push Button	**P3-3-FPI-H .... VDC**
Z = Polarity & Free Wheeling Diode	**P3-3-FPZI-H .... VDC**
B = AC/DC Bridge Rectifer	**P3-3-FPIB-H .... VDC**

Suitable Sockets : S11D

Approvals

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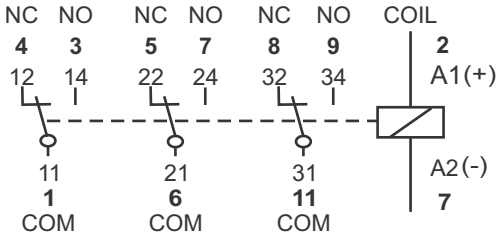
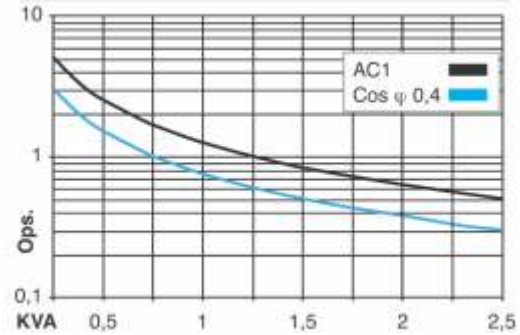
P3-3.....E

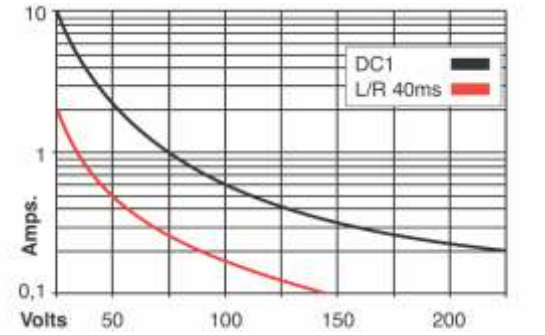
6Amps Relays - 3C/O Contacts
6 A 250V AC1 0.5 A 110V DC1
6 A 30V DC1 0.2 A 220V DC1



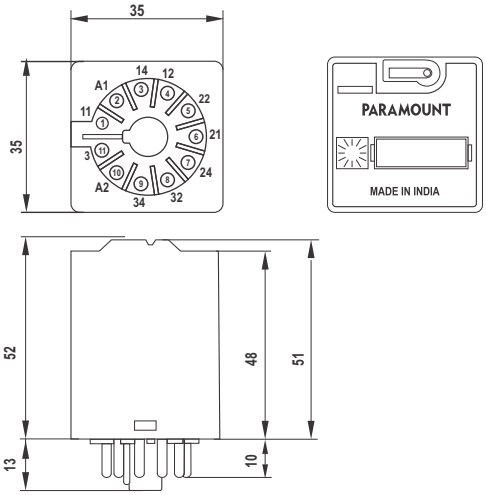
Graph 1 — Electrical life, ops x 10^6



Graph 2 — Max. DC load



Dimensions — in mm.



Contacts

Materials : Standard	AgNi
Optional 1	AgNi + Au 0.2 µ
Optional 2	AgNi + Au 5.0 µ
Max. Switching Current	6A
Max. Peak Inrush Current (20 ms)	30A
Max. Switching Voltage	250 VAC
Switching Power range	0.3 VA (W) to 2500 VAz
Max. Contact Resistance	20m Ω
Max. AC Load (Table 1)	2.5 KVA
Max. DC Load (See Table 2)	-

Coils (Ohms ± @ 20ºC)

Pull-in Voltage	≤ 0.8x**Un**
Drop-out Voltage	≥ 0.1x**Un**
Nominal Coil Power	1.6 VA (AC / 1.3 W (DC)

VAC	Ohms	VDC	Ohms
6	3.15	6	33
12	13.3	12	115
24	52	24	480
48	240	48	1850
110	1120	110	9000
230	5600	220	29000

Insulation

Dielectric Strength (1 minute) : open contacts	1500 VAC
Between adjacent poles	2000 VAC
Between contacts and coil	2500 VAC
Insulation Resistance @ 500VDC Min.	200 MΩ
Isolation, IEC 61810-5	2.5 KV / 3

Specifications

Operate / Release & Bounce Time Max. for DC	8+3 / 3.5+8 ms
Operate / Release & Bounce Time Max. for AC	9+8 / 12+16 ms
Mechanical Life ops.	10 Million AC, 20 Million DC relays
Electrical life at Nominal load	≥ 100,000 ops.
Operating Frequeny at nominal load	1200 / hour
Shock Resistance	AK : > 10g
Vibration Resistance	5g 10.....150 Hz
Mounting Direction	any
Storage	-40°C to +85°C
Ambient Operating Temperature	-40°C to +55°C (for AC relay)
Ambient Operating Temperature	-40°C to +70°C (for DC relay)
Protection Standard	IP 40
Weight	app. 80 g

Standard Types

AC : 6, 12, 24, 48, 110, 230
E = 6 Amps Relay

F = Mechanical Flag Indicator	**P3-3-F-E .... VAC**
P = LED Indicator	**P3-3-FP-E .... VAC**
I = Lockable Push Button	**P3-3-FPI-E .... VAC**
R = RC Circuit	**P3-3-FIR-E .... VAC**

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

F = Mechanical Flag Indicator	**P3-3-F-E .... VDC**
P = LED	**P3-3-FP-E .... VDC**
I = Lockable Push Button	**P3-3-FPI-E .... VDC**
Z = Polarity & Free Wheeling Diode	**P3-3-FPZI-E .... VDC**
B = AC/DC Bridge Rectifer	**P3-3-FPIB-E .... VDC**

Suitable Sockets : S11D

Approvals

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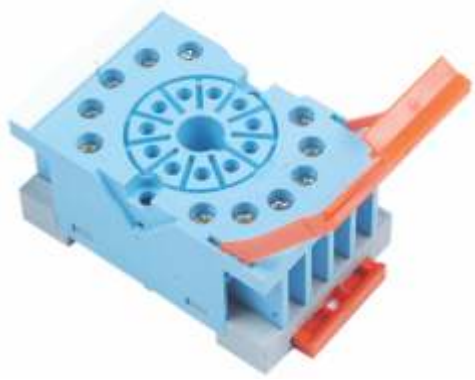
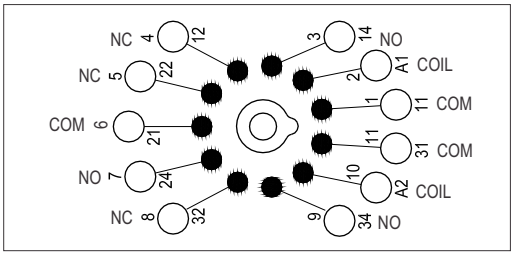


S11D

Only **38 mm** WIDE

Socket for P3 3c/o Relay
DIN Rail or Panel Mountable

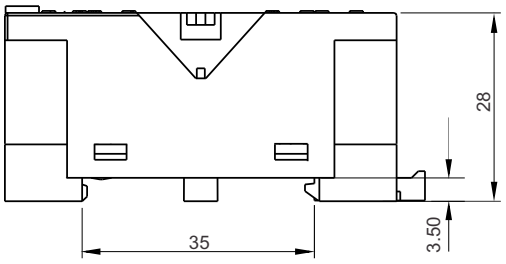
Wiring diagram

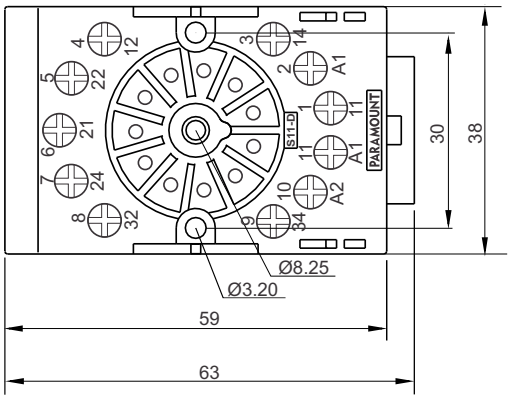


Specifications

Poles	3 Change Over Contact (11pins)
Nominal load :	10A / 250V
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	0.5 Nm
Screw dimensions	M3, Pozi
Wire in-lets capacity:	
Solid Wire	4sq mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4 mm sq
Weight Approx.	47 gms.

Dimensions in mm





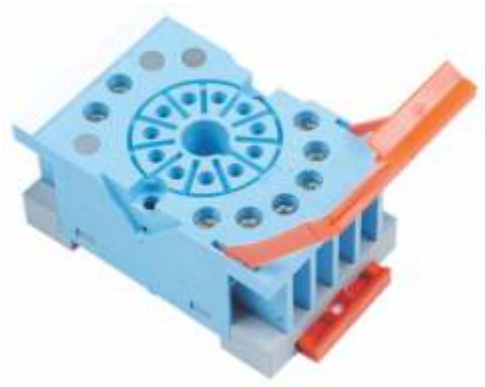
Other Aspects

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 Screws

Approvals

TÜV CE cULus

PARAMOUNT
EXPECT MORE...

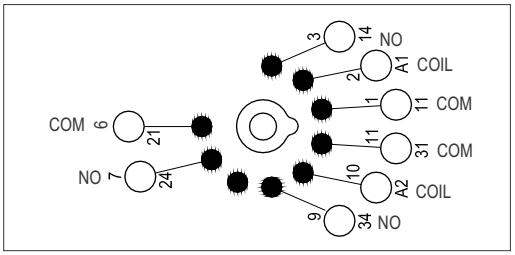


S11D-A

Only **38 mm** WIDE

Socket for P3 3N/O Relay
DIN Rail or Panel Mountable

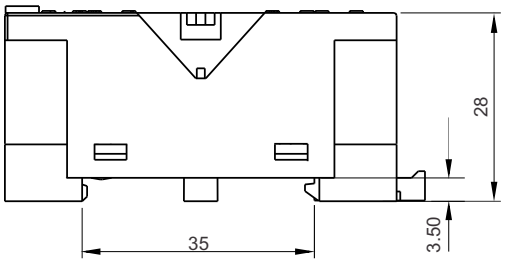
Wiring diagram

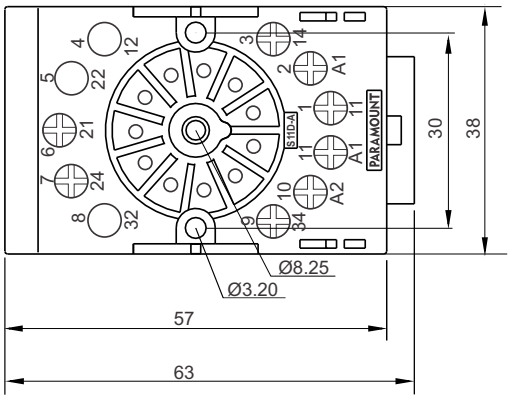


Specifications

Poles	3 Normally Open Contact (11pins)
Nominal load :	10A / 250V
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	0.5 Nm
Screw dimensions	M3, Pozi
Wire in-lets capacity:	
Solid Wire	4sq mm or 2 x 2.25 mm
Multi core	22 14 AWG
Ferrule tip terminals	4 mm sq
Weight Approx.	47 gms.

Dimensions in mm





Other Aspects

DIN Rail / Panel Mountable
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Approvals

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Ordering Information

P3 - □ - □ - □ - □ - □ - □ - □
1 2 3 4 5 6 7

1. Relay Type
Blank : General Purpose / Standard

2. Contact Form
3 : TPDT (3C/O)
3A : 3 NO

3. Contact Type
Blank : Single
T : Twin Contact

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

5. Special Types
Blank : Standard **(contact rating of 10Amps @ 250VAC)**
L : Latching (11 pin)
H : Long Life (700,000 operations)
E : Contact Rating of 5Amps@250VAC
LM : Latching with Magnetic Blow Out Relay (11)

6. Contact Material
Blank : AgNi
1. : AgNi + Au 0.2 µ (only for Twin contacts)
2. : AgNi + Au 5.0 µ (only for Twin contacts)

7. Rated Coil Voltage
6 / 12 / 24 / 48 / 110 / 220 - VDC
6 / 12 / 24 / 48 / 115 / 230 - VAC

NOTE:-

A. For Current coil please specify AC/DC coil current in place of coil voltage

B. Standard Frequency is 50 Hz for AC coil, for other frequency please specify frequency after coil voltage

PARAMOUNT
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