pla

Millions Of Relays In Use....

TRUSTED NAME SINCE 1969

Millions Of Relays In Use....

ABOUT US

EVERY BIG JOURNEY STARTS WITH A SMALL STEP. A small enquiry from BARC in the year 1967 for a special type of electromechanical switch leads to the inception of an industry leader manufacturing PLA RELAY. Since 1969, the company PLA COMPONENTS has been designing and manufacturing Electromagnetic Relays which is fulfilling various Industrial applications for over 5 decades.

PLA has rich experience in Development, Manufacturing & Supply of electronic products in diversified fields like Test & Measuring Instruments, Components (Timers), Telecommunication, Medical Electronics, Opto-Electronics & of-course Radiation Monitoring Equipment.

Today PLA Relays as Brand is very well Known in Electronic/Electrical Market, Thanks to its customers, dealers, consultants & Promoters for the support and Trust.

PLA has also developed special relays as Contact Multiplying Relays (CMR) & Heavy Duty Relays (HDR) for Power Transmission/Distribution Application for electricity boards. Relays Have been tested as per IEC-60810-1 & IEC 60225-5 for SCADA application.

PLA Relays & Reed Relays cover very wide range starting from 0.5Amp to 100Amp used in various application such as Stabilizers, Timers, Temperature controllers, UPS, Battery Chargers, Inverters, Control Panels, SCADA, Telecommunication etc.

PLA is an ISO:9001:2015 certified Company and has relay approvals from LCSO, CACT, C-DOT, ERTL and SCADA Products are CE certified. Apart from these, PLA Electromechanical Relays & Reed Relays are tested and approved by govt. & semi govt. testing agencies / organization viz; LCSO, ERTL, CACT/ BSNL, Defense, CDOT, IDEMI, etc. This is the reason why consultants do not hesitate to recommend PLA Relays for use in critical control applications.

Our Production is backed up by very efficient & strong sales network throughout the country. Dealers with their stocking ability & prompt service have boosted up PLA's name beyond horizon.

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Millions Of Relays In Use....

MANUFACTURING & TESTING

We have Manufacturing facility in a Central suburb of Mumbai. Elite team of manufacturing unit have people with immense experience in Relays which helps us in designing and manufacturing special customized relays to fulfill the customer requirement.

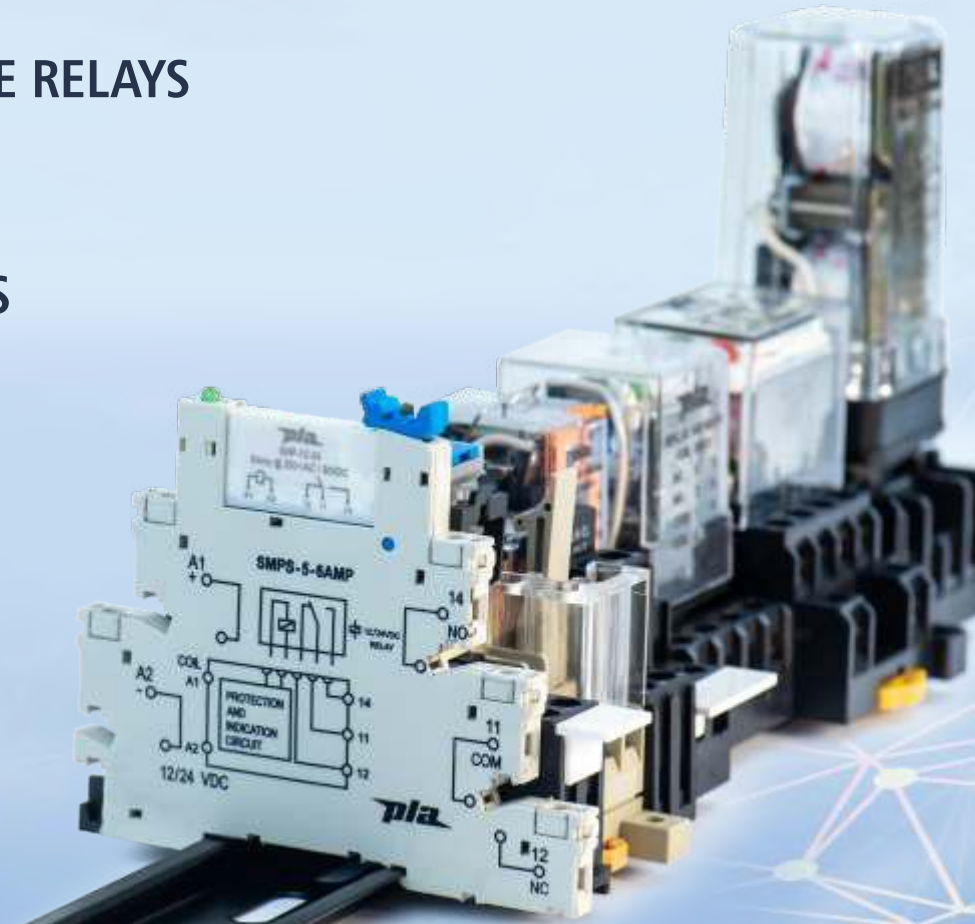
Besides R&D Lab we have “In House Test Lab “Which is equipped with modern equipment required to test relays parameters e.g. Bump, Vibration, Humidity, Temperature, Bounce, Operate Release time etc. and of-course “Life Test”.

We have introduced “Application Test Lab” comprising of various testing jigs to test the life of relays in actual application such as stabilizer, where relay life is very critical.

Our Production is backed up by very efficient & strong sales network throughout the country.

Millions Of Relays In Use....

CATEGORIES



01

PLUG-IN RELAYS

Millions Of Relays In Use....

- Machine Tools • Bio-medical Instruments & Appliances
- Control Panels • Uninterrupted Power Supplies • Industrial controls
- Temperature controllers • Process Control Systems • Circuit Breakers
- Stabilizers • Electrical Equipment's Appliances • High voltage DC Panels/ Motors
- Textile Machines • Automation & Remote Control Systems • Scada Applicatons
- Battery Chargers •Timers • Centralized & decentralized heating control

MPC SERIES

HPC, HHPC & HMPC have been grouped together in MPC series.
MPC are known as CMR & HMPC are known as HDR.

TECHNICAL SPECIFICATIONS

TYPE		MPC			
TERMINAL TYPE		Plug In			
CONTACT CONFIGURATION		1C / 2C / 3C			2C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC & 220VDC*		5A#	10A#	12A	16A
CONTACT MATERIAL		Silver alloy			
INITIAL CONTACT RESISTANCE		0.050 Ω			
COIL NOMINAL VOLTAGES	DC	6-250 V			
	AC	6-415 V @ 50 Hz / 60 Hz*			
OPERATING POWER (MIN-MAX) FOR DC COIL		0.72 - 1.25 W		1.20 - 1.25 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		1.92 - 2.43 VA		2.42 - 3.60 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 VRMS		1800 VRMS	
	COIL TO CONTACT	2000 VRMS			
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		500 MΩ			
OPERATE TIME (MAX)		20 ms			
RELEASE TIME (MAX)		10 ms			
AMBIENT TEMPERATURE		-25˚C To +55˚C			
IMPULSE WITHSTAND VOLTAGE (AS PER IEC 60255-5)		5kV 1.2/50 µS.			
ELECTRICAL LIFE (NO. OF OPERATIONS)		10^5			
MECHANICAL LIFE (NO. OF OPERATIONS)		10^7			
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		37 x 37 x 68			
MAX WEIGHT IN GRAMS (APPROX.)		75 gms			
INBUILT FEATURE		LED			
OPTIONAL FEATURES		DIODE			
STANDARDS		IEC 61810-1, IEC 60255-5 meeting as per JSS 50711 and JSS 50101			

(Photo For Representation Purpose Only)

CE#

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- High Reliability
- Elegant / Sturdy and Light weight
- ARC Suppressor*(HMPC)
- Dust Protected
- Excellent Isolation
- Medium Power Sources
- Compact High Performance
- Din Rail Socket Available

APPLICATIONS

• Machine Tools	• Bio-medical Instruments & Appliances	• Inverters
• Control Panels	• Uninterrupted Power Supplies	• Industrial controls
• Temperature controllers	• Process Control Systems	• Circuit Breakers
• Stabilizers	• Electrical Equipment's Appliances	• High voltage DC Panels/ Motors
• Textile Machines	• Automation & Remote Control Systems	• Scada Applications
• Battery Chargers		

NOTE :- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2) Recommended socket :- For **MPC 2C** is **MPCS 8** , For **MPC 3C** is **MPCS 11**
3) All Specification / Dimensions subject to Tolerance
4) Gold plated contacts available with extra charges
5) *Relay with **Arc suppressor (HMPC & HHPC)** Available in **5A / 10A / 12A / 16A** @220VDC with 2 Changeover **(2C)** contact
6) *Special Relay With 60Hz Compatibility Available At Extra Charge.
7) MPC series are also known as CMR (Contact multiplying relays)with rated carrying current resistive at 24VDC/250VAC.HMPC are HDR(Heavy duty relays) with rated carrying current resistive at 220VDC/250VAC
8) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice

COIL – DATA (5A / 10A) (MPC / HMPC) (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

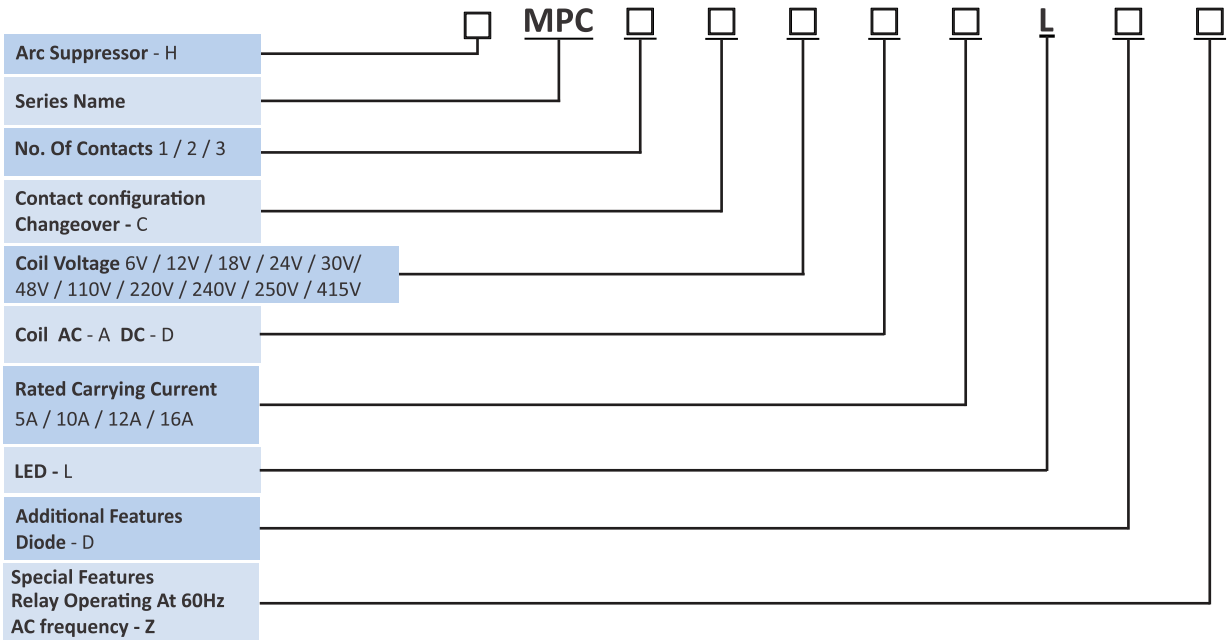
NOMINAL VOLTAGE (V)		RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
		DC RELAY	AC RELAY			DC (W)	AC (VA)
6		30	7	4.8	0.6	1.20	2.06
12	1C	200	30	9.6	1.2	0.72	1.92
	2C	200	30	9.6	1.2	0.72	1.92
	3C	150	30	9.6	1.2	0.96	1.92
18		390	-	14.4	1.8	0.83	-
24		500	110	19.2	2.4	1.15	2.09
30		750	-	24	3.0	1.2	-
48		2.25k	440	38.4	4.8	1.02	2.09
110		10k	2.4k	88	11	1.21	2.02
220		50k	-	176	22	1.21	-
240		-	9.5k	192	24	-	2.43
250		54k	-	200	25	1.25	-
415		-	27k	332	41.5	-	2.55

HMPC & HHPC Relay Available (MPC with Arc Suppressor)

COIL – DATA (12A / 16A) (HPC) (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

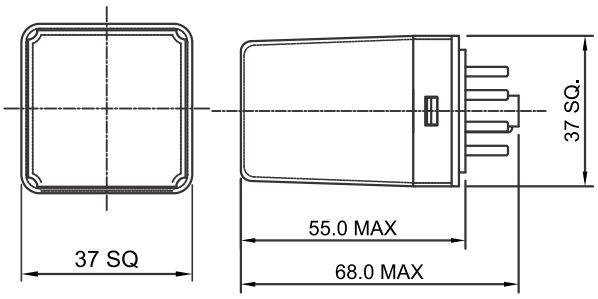
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
6	30	4	4.8	0.6	1.20	3.60
12	120	16	9.6	1.2	1.20	3.60
18	270	-	14.4	1.8	1.20	-
24	480	110	19.2	2.4	1.20	3.29
30	750	-	24	3.0	1.2	-
48	1.9k	-	38.4	4.8	1.21	-
110	10k	2k	88	11	1.21	2.42
220	40k	-	176	22	1.21	-
240	-	9.5k	192	24	-	2.43
250	45k	-	200	25	1.38	-
415	-	27k	332	41.5	-	2.55

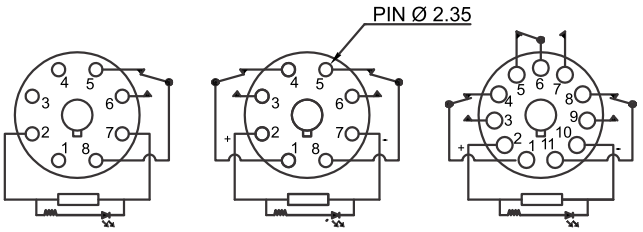
ORDERING CODE FOR RELAY



OVERALL DIMENSIONS

OVERALL DIMENSIONS **TYPE : MPC - 5A, 10A, 12A & 16A** **BASE WIRE CONFIGURATION**

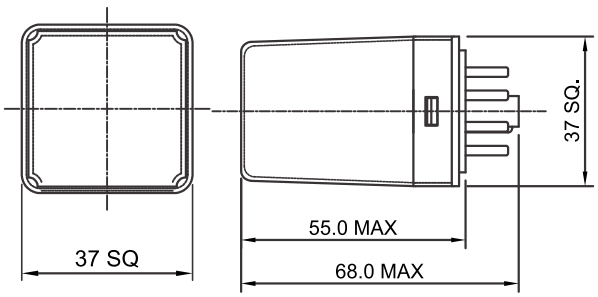


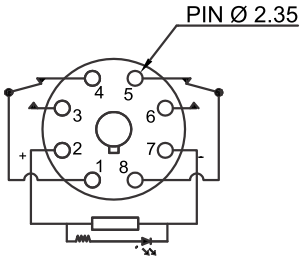


NC	5	NC 4 5	NC 4 5 8
NO	6	NO 3 6	NO 3 7 9
COM	8	COM 1 8	COM 1 6 11
COIL	2 7	COIL 2 7	COIL 2 10
	+ −	+ −	+ −
	1 C/O	2 C/O	3 C/O

ALL DIMENSIONS ARE IN MM

OVERALL DIMENSIONS **TYPE : HMPC - 5A, 10A, 12A & 16A** **BASE WIRE CONFIGURATION**





NC	4 5
NO	3 6
COM	1 8
COIL	2 7
	+ −

ALL DIMENSIONS ARE IN MM

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

MPC V1 SERIES RELAY

Power Saver series

TECHNICAL SPECIFICATIONS

TYPE		MPC V1	
TERMINAL TYPE		Plug In	
CONTACT CONFIGURATION		1C / 2C / 3C	
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		6A	10A
RATED CARRYING CURRENT (RESISTIVE) AT 220 VDC (RELAY WITH ARC SUPPRESSOR)		6A*	
CONTACT MATERIAL		Silver alloy	
INDUCTIVE LOAD		1/2 HP at 277 VAC (10A Relay) 1 HP at 277 VAC (6A Relay)	
INITIAL CONTACT RESISTANCE		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-250 VDC	
	AC	12-240 VAC @50Hz/ 60Hz*	
OPERATING POWER (MIN-MAX) FOR DC COIL		0.89W - 1.15 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		1.10VA - 1.30VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1000 VRMS	
	COIL TO CONTACT	2500 VRMS	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		500 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25˚C To +70˚C	
IMPULSE WITHSTAND VOLTAGE (AS PER IEC 60255-5)		5kV 1.2/50 µS.	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^7	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		31.5 x 31.5 x 56.0	
MAX WEIGHT IN GRAMS (APPROX.)		37.0 gms	
INBUILT FEATURE		LED	
OPTIONAL FEATURES		DIODE	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Consumes Less Power
- High Reliability
- Elegant / Sturdy and Light weight
- ARC Suppressor*(HMPC V1)
- Dust Protected
- Excellent Isolation
- Compact High Performance
- Din Rail Socket Available

APPLICATIONS

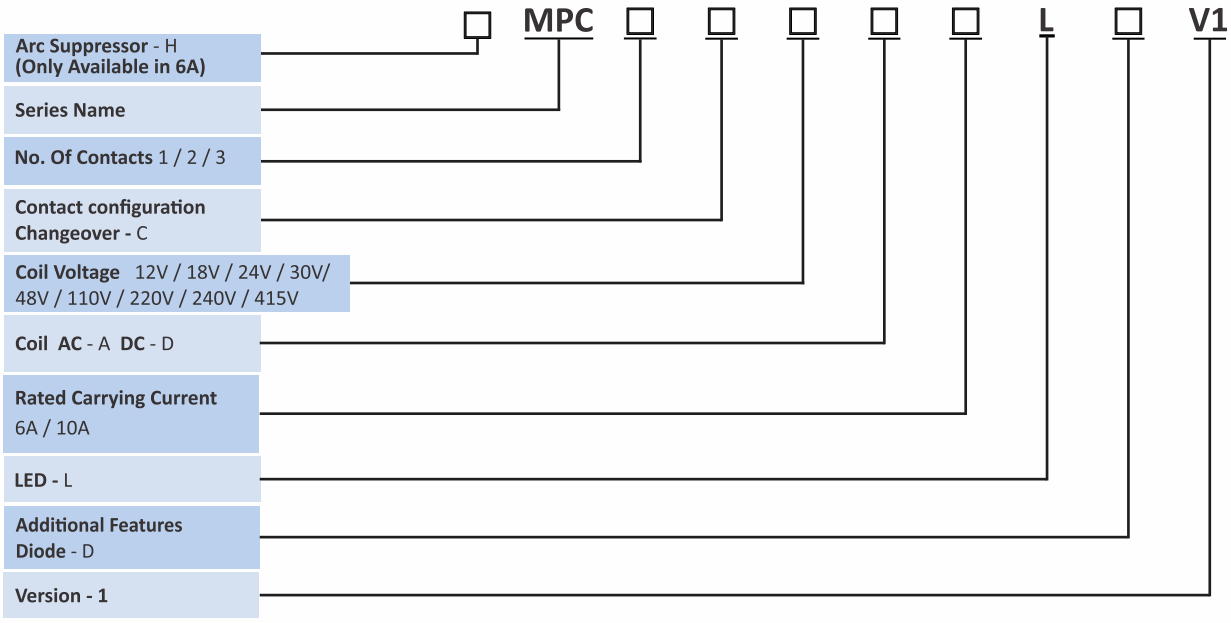
• Machine Tools	• Bio-medical Instruments & Appliances	• Inverters
• Control Panels	• Uninterrupted Power Supplies	• Industrial controls
• Temperature controllers	• Process Control Systems	• Circuit Breakers
• Stabilizers	• Electrical Equipment's Appliances	• High voltage DC Panels/ Motors
• Textile Machines	• Automation & Remote Control Systems	• Scada Applications
• Battery Chargers		

NOTE :-
1) Recommended socket :- For **MPC V1 2C** is **MPCS 8** , For **MPC V1 3C** is **MPCS 11**
2) All Specification / Dimensions subject to Tolerance
3) Gold plated contacts available with extra charges
4) *Relay with **Arc suppressor (HMPC V1)** Available in **6A** @220VDC with 2 Changeover **(2C)** contact
5) MPC series are also known as CMR (Contact multiplying relays)with rated carrying current resistive at 24VDC/250VAC.HMPC are HDR(Heavy duty relays) with rated carrying current resistive at 220VDC/250VAC
6) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice

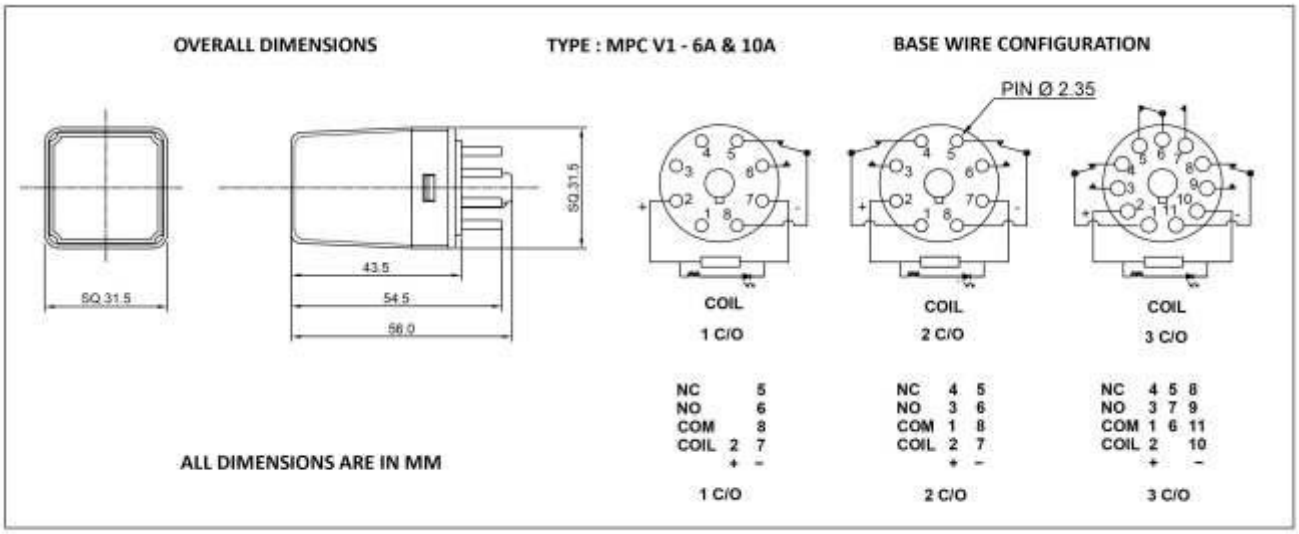
COIL – DATA (6A / 10A) (MPC / HMPC) (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
12	160	46Ω	9.6	1.2	0.90	-
18	350	-	14.4	1.8	0.93	-
24	650	180	19.2	2.4	0.89	1.28
30	1.0k	-	24	3.0	0.90	-
48	2.6k	735	38.4	4.8	0.89	1.25
110	11k	4.4k	88	11.0	1.10	1.10
220	54k	-	176	22.0	0.97	-
240	-	19k	192	24.0	-	1.21
415	-	54k	332	41.5	-	1.28

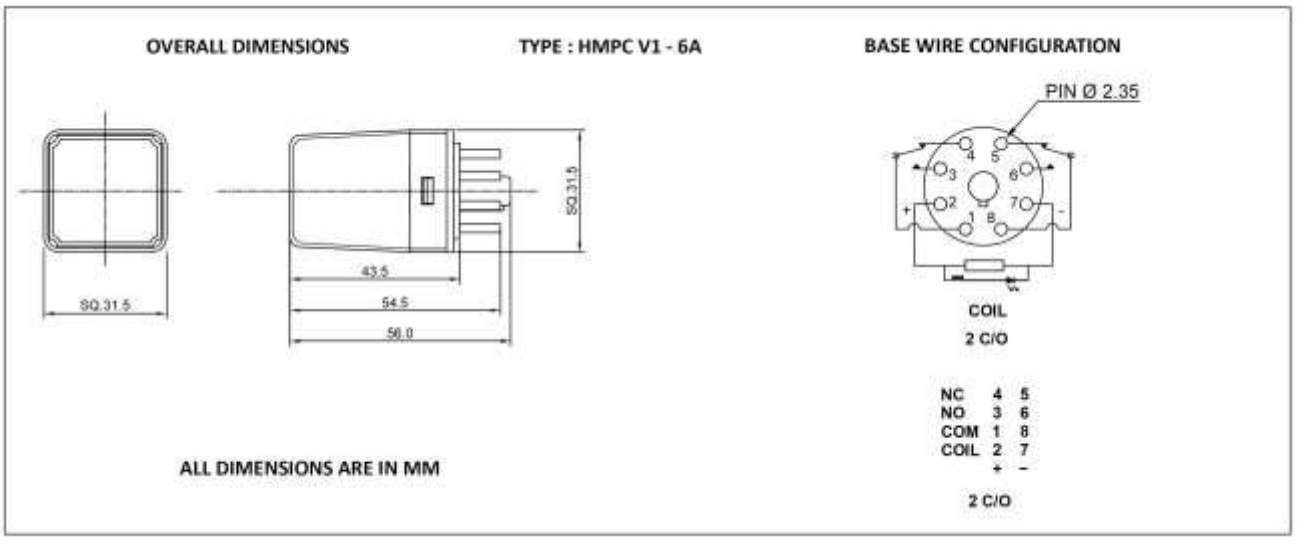
ORDERING CODE FOR RELAY



OVERALL DIMENSIONS



OVERALL DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

LMPC SERIES RELAYS

Latching relays

TECHNICAL SPECIFICATIONS

TYPE		LMPC
TERMINAL TYPE		Plug In
CONTACT CONFIGURATION		2C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		10A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12-220 V
	AC	240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		1.44 - 1.61 W
OPERATING POWER (MIN-MAX) FOR AC COIL		2.43 VA
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ
OPERATE TIME		20 ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		37 x 37 x 92
MAX WEIGHT IN GRAMS (APPROX.)		150 gms
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Self-Holding Function
- Ideal for Memory & Flip Flop
- Pulse Operating for Power Saving

APPLICATIONS

- Timers
- Centralised & Decentralized heating control

NOTE:-

1) Recommended Socket :- For LMPC is MPCS 11

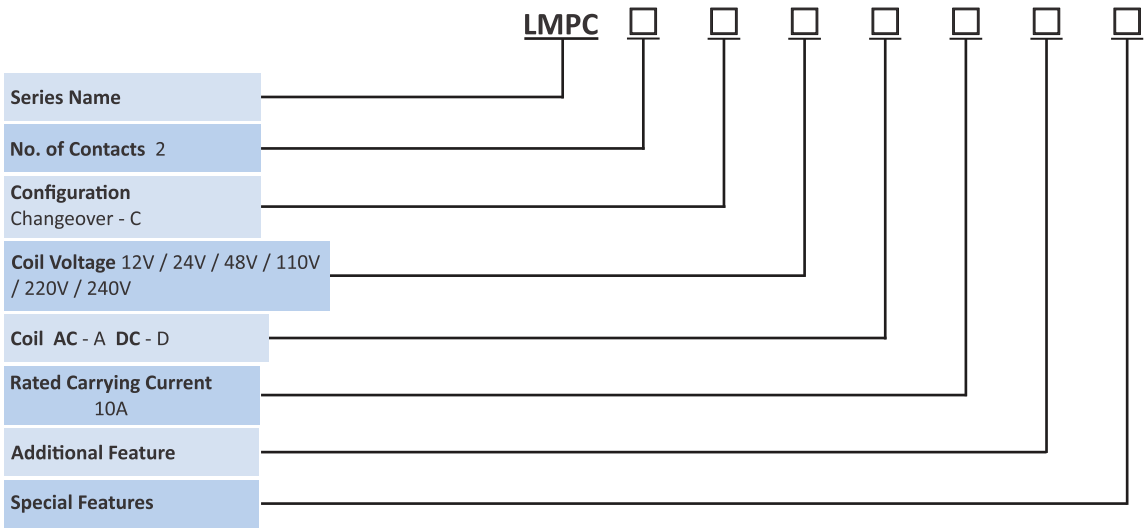
2) All Specification / Dimensions subject to Tolerance.

3) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done \ without any notice.

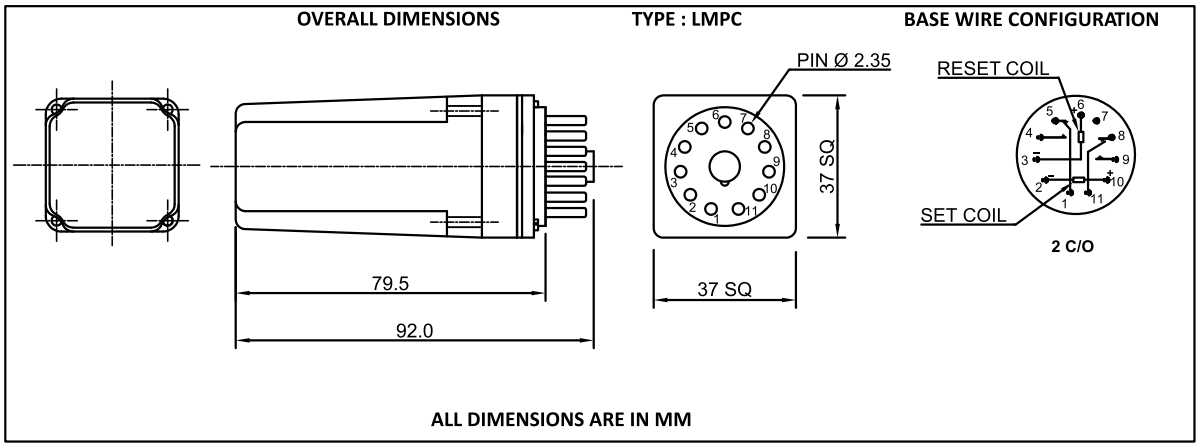
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC RELAY	AC RELAY		DC (W)	AC (VA)
12	100	-	9.6	1.44	-
24	400	-	19.2	1.44	-
48	1.6k	-	38.40	1.44	-
110	7.9k	-	88	1.53	-
220	30k	-	176	1.61	-
240	-	9.5k	192	-	2.43

ORDERING CODE FOR RELAY



DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

ON - OFF SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		ON-OFF
TERMINAL TYPE		Plug In
CONTACT CONFIGURATION		2NO + 1NC / 2NC + 1NO
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		10A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE		0.050 Ω
COIL NOMINAL VOLTAGES	DC	6 V
	AC	-
OPERATING POWER FOR DC COIL		0.72 W
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ
OPERATE TIME		20ms
RELEASE TIME		10ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		35.5 x 53 x 71.8
MAX WEIGHT IN GRAMS (APPROX.)		104 gms

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Socket available

APPLICATIONS

- Timers
- Centralised & Decentralized heating control

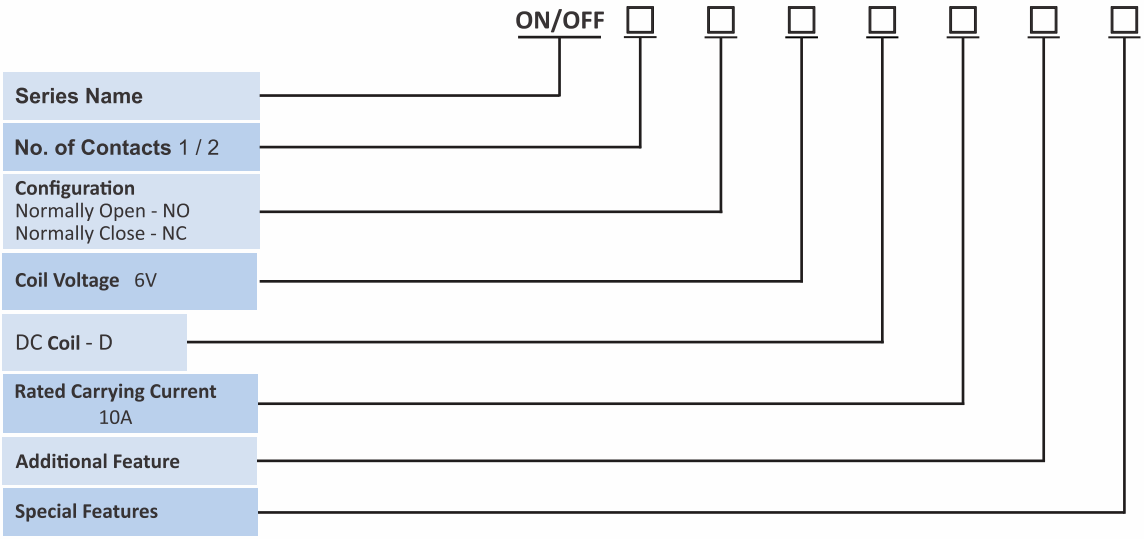
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR DC COIL (W)
6 V	50	4.5	0.6	0.72

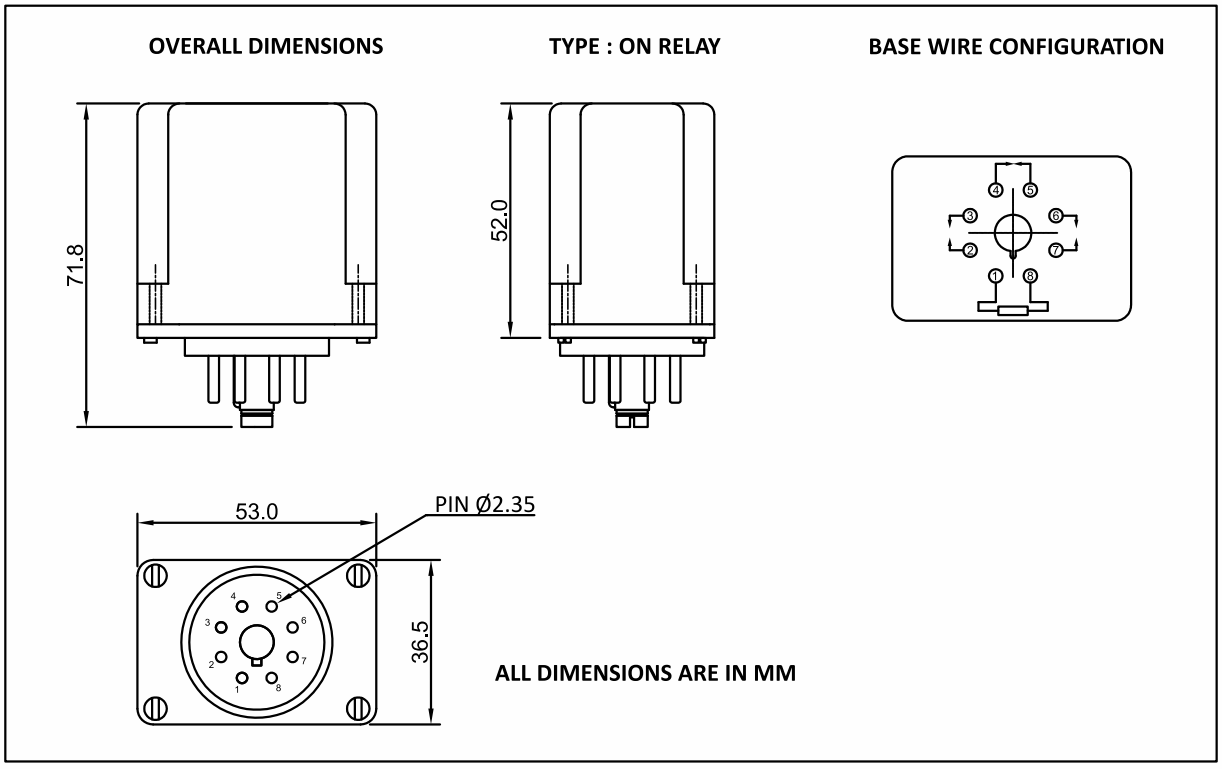
NOTE:-

1) **Recommended socket :- FOR ON - OFF Relay MPCS 8**
2)All Specification/Dimensions subject to Tolerance.
3) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice

ORDERING CODE FOR RELAY



DIMENSIONS



PMY SERIES RELAYS

TECHNICAL SPECIFICATIONS				
PARAMETERS		**TYPE**		
TERMINAL TYPE		Plug In		
CONTACT CONFIGURATION		2C	3C	4C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC/250 VAC		6A & 10A	6A & 10A	6A
RATED CARRYING CURRENT (RESISTIVE) AT 220 VDC (RELAY WITH ARC SUPPRESSOR)		6A*	–	–
MAX.PEAK INRUSH CURRENT (20ms)		30A & 60A	30A & 60A	30A
CONTACT MATERIAL		Silver alloy		
INDUCTIVE LOAD		1/2 HP at 277 VAC (10A Relay) 1 HP at 277 VAC (6A Relay)		
INITIAL CONTACT RESISTANCE		0.050 Ω		
COIL NOMINAL VOLTAGES	AC Coil	12-240 VAC @50Hz/ 60Hz*		
	DC Coil	12-250 VDC		
PICKUP VOLTAGE		80% maximum		
RELEASE VOLTAGE		10% minimum		
OPERATING POWER (MIN - MAX)	DC Coil	0.89W - 1.15 W		
	AC Coil	1.10VA - 1.25VA		
MAXIMUM SWITCHING VOLTAGE		24 VDC / 250 VAC		
MAX SWITCHING CAPACITY (POWER RATING)		2500VA (10A)	1500VA (6A)	1500VA (6A)
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	1000 VRMS (Same Polarity)		
	BETWEEN COIL & CONTACT	2000 VRMS		
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 50% RH		100 MΩ		
OPERATE TIME (MAX)		20 ms		
RELEASE TIME (MAX)		10 ms		
RELEASE TIME WITH DIODE (Max)		20 ms		
AMBIENT TEMPERATURE		-40˚C To +70˚C		
IMPULSE WITHSTAND VOLTAGE		5kV 1.2/50 µS.(AS PER IEC 60255-5)		
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5		
MECHANICAL LIFE (NO OF OPERATIONS)		2×10^6		
SHOCK RESISTANCE		Destruction : 1000m/s Operative Extremes 150m/s^2		
VIBRATION RESISTANCE		Destruction : 10-55Hz amplitude : 0.5mm Malfunction :10-55Hz amplitude : 0.5mm		
PROTECTION DEGREE		IP 40 / RT 1		
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		21.5 x 28 x 35.5(+7)		
MAX WEIGHT IN GRAMS (APPROX.)		37 gms		
INBUILT FEATURE		LED		
OPTIONAL FEATURES		Diode,Manual Test Button, Mechanical Switching Position Indicator		
STANDARDS		IEC 61810-1 ,CE		

PMY with Flag

PMY Without Flag

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Miniature Industrial Relay
- Long Life & High Reliability
- Dust Protected
- With Led Indicator
- Sockets available

NOTE :-1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2)Recommended socket :- **PMYS DR 8/11/14 & PMYS PCB 8/14**
3) Mechanical Switching Position Indicator Available With Extra Charges
4) All Specification/Dimensions subject to Tolerance
5) Gold plated contacts available with extra charges
6) *Special Relay With 60Hz Compatibility Available At Extra Charge.
7) *2C 6A Relay With Arc suppressor(HPMY) Available At Extra Charges
8) Any Techno commercial changes is / are prerogative of Manufacturer / Management of the company which can be done without any notice

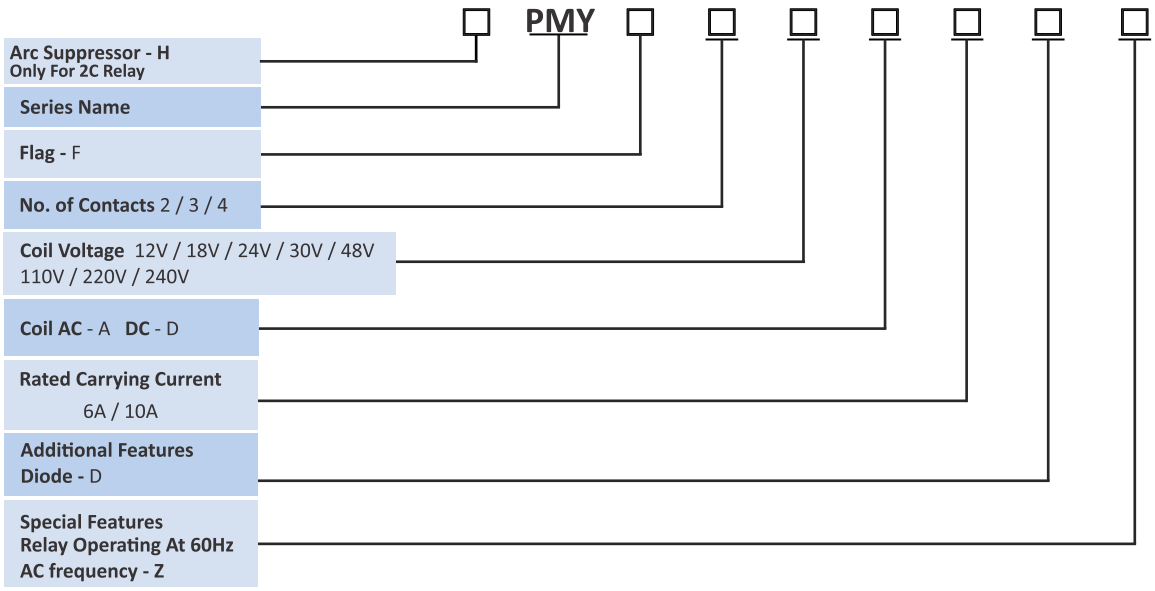
APPLICATIONS

- Industrial Controls
- Office Automation
- PLC's
- Timers

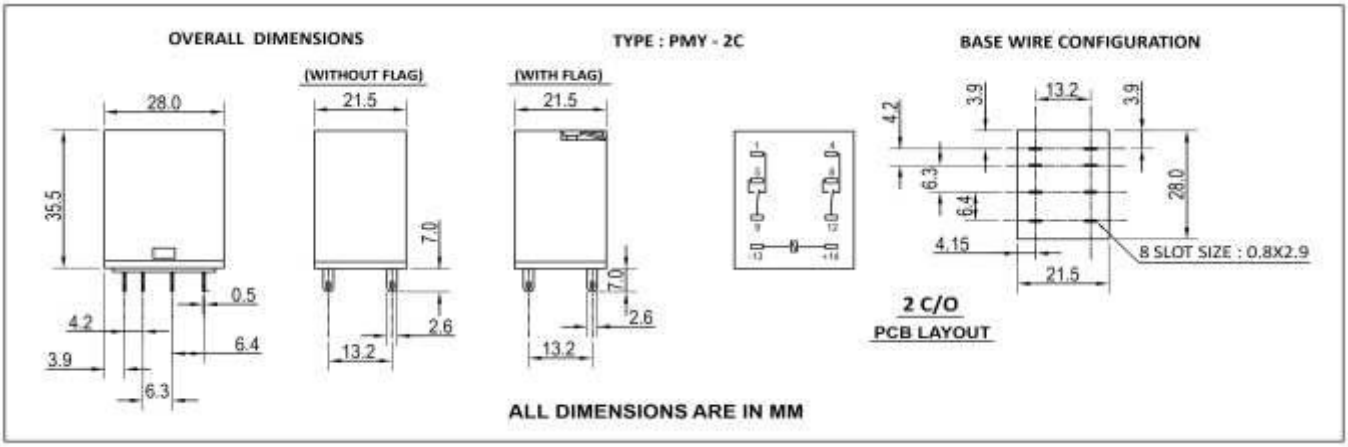
COIL – DATA (ALL VALUES AT 27°C ± 2°AMBIENT)

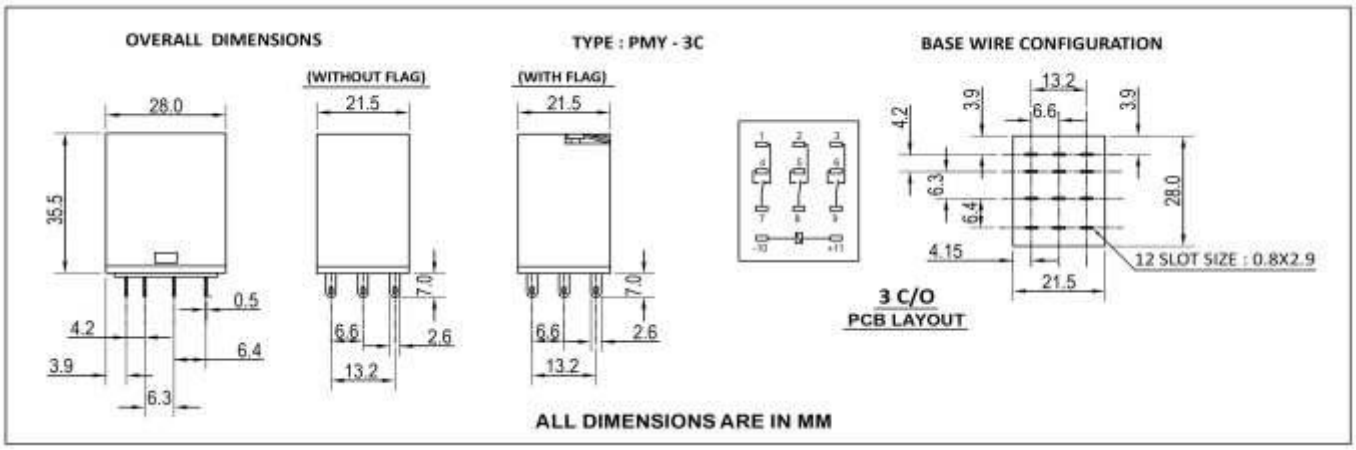
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
12	160	46Ω	9.6	1.2	0.90	-
18	350	-	14.4	1.8	0.93	-
24	650	180	19.2	2.4	0.89	1.28
30	1.0k	-	24	3.0	0.90	-
48	2.6k	735	38.4	4.8	0.89	1.25
110	11k	4.4k	88	11.0	1.10	1.10
220	54k	-	176	22.0	0.97	-
240	-	19k	192	24.0	-	1.21

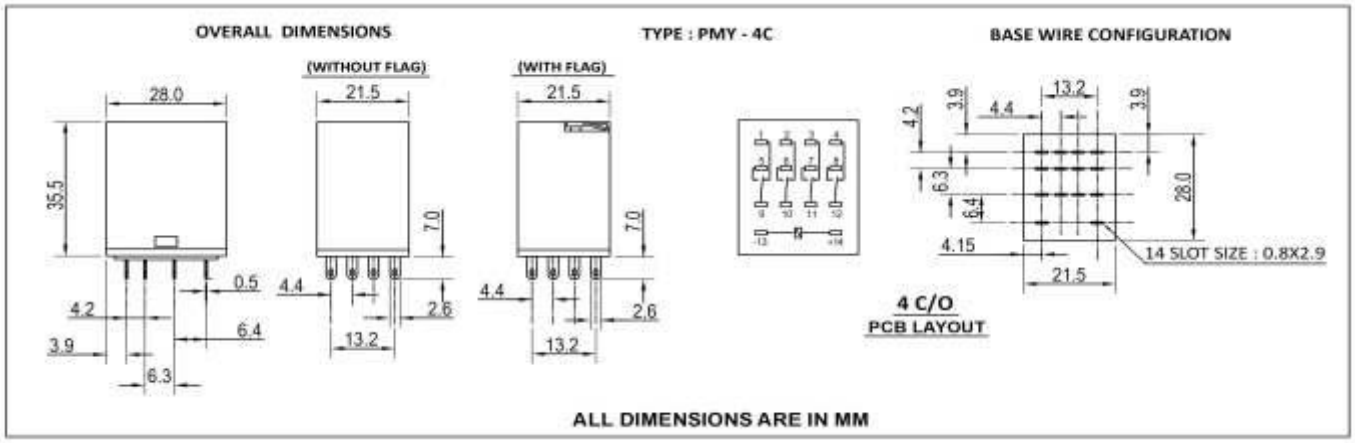
ORDERING CODE FOR RELAY

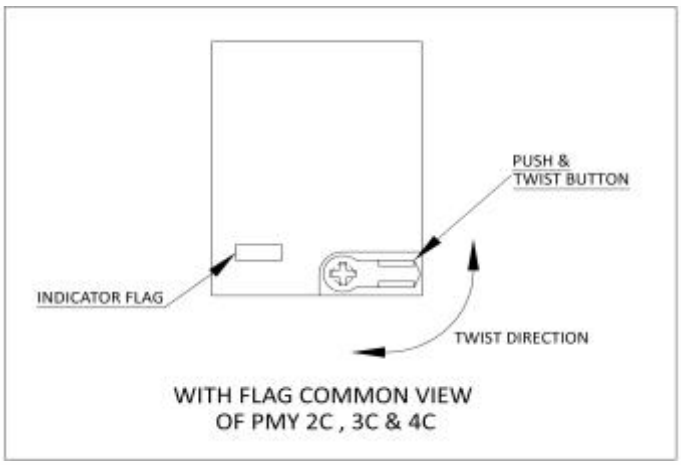


DIMENSIONS


OVERALL DIMENSIONS
TYPE : PMY - 2C
BASE WIRE CONFIGURATION
(WITHOUT FLAG)
(WITH FLAG)
28.0
35.5
21.5
7.0
2.6
13.2
0.5
4.2
6.4
3.9
6.3
13.2
3.9
6.3
6.4
4.15
28.0
8 SLOT SIZE : 0.8X2.9
2 C/O
PCB LAYOUT
ALL DIMENSIONS ARE IN MM


OVERALL DIMENSIONS
TYPE : PMY - 3C
BASE WIRE CONFIGURATION
(WITHOUT FLAG)
(WITH FLAG)
28.0
35.5
21.5
7.0
6.6
2.6
13.2
0.5
4.2
6.4
3.9
6.3
13.2
6.6
3.9
6.3
6.4
4.15
28.0
12 SLOT SIZE : 0.8X2.9
3 C/O
PCB LAYOUT
ALL DIMENSIONS ARE IN MM


OVERALL DIMENSIONS
TYPE : PMY - 4C
BASE WIRE CONFIGURATION
(WITHOUT FLAG)
(WITH FLAG)
28.0
35.5
21.5
7.0
4.4
2.6
13.2
0.5
4.2
6.4
3.9
6.3
13.2
4.4
3.9
6.3
6.4
4.15
28.0
14 SLOT SIZE : 0.8X2.9
4 C/O
PCB LAYOUT
ALL DIMENSIONS ARE IN MM


PUSH &
TWIST BUTTON
INDICATOR FLAG
TWIST DIRECTION
WITH FLAG COMMON VIEW
OF PMY 2C , 3C & 4C

PLY SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		PLY	
TERMINAL TYPE		Plug In	
CONTACT CONFIGURATION		2C	4C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		10A* & 16A	10A*
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-48 V	
	AC	240 V @ 50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		0.89-1.65 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		2.88 VA	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	1500 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH		500 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		12 ms	
AMBIENT TEMPERATURE		-25°C To +55°C	
IMPULSE WITHSTAND VOLTAGE (AS PER IEC 60255-5)		5kV 1.2/50 µS.	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		21.5x28x35.3(+6.7)	41.5x28x35.3 (+6.7)
MAX WEIGHT IN GRAMS (APPROX.)		40 gms	70 gms
INBUILT FEATURE		LED	
OPTIONAL FEATURES		Diode	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

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TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Elegant
- Reliable
- Din rail socket available

APPLICATIONS

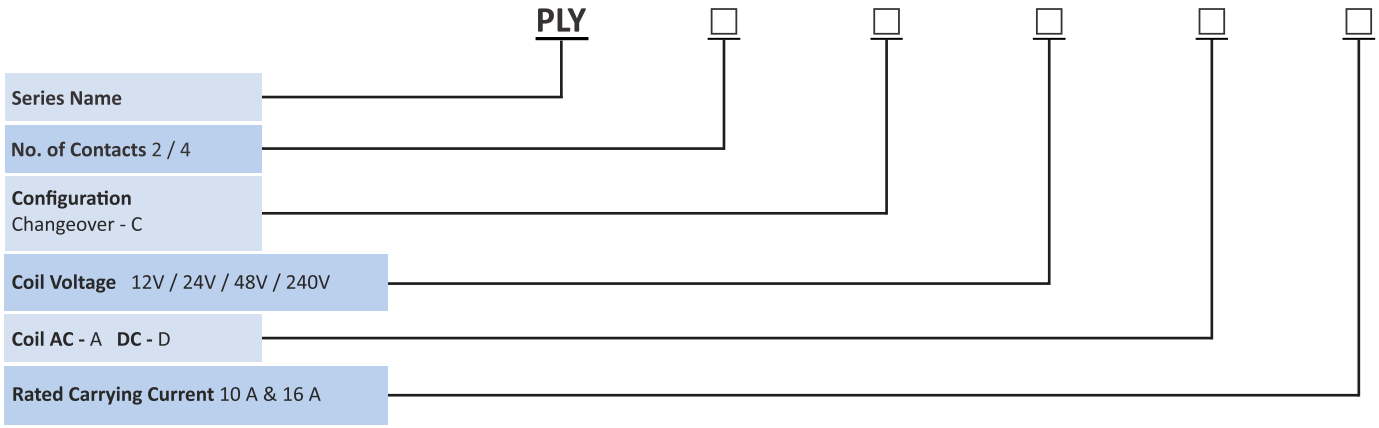
- Suitable for Automatic Control
- Telecommunication Equipment
- House Hold Electrical Appliances
- Electrical Machine Control

NOTE :- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019 For 10A PLY RELAY.
2) Recommended socket :- PLYS DR 8/14
3)All Specification / Dimensions subject to Tolerance.
4) Any Techno commercial change is / are Prerogative of Manufacturer / Management of the company which can be done without any notice.

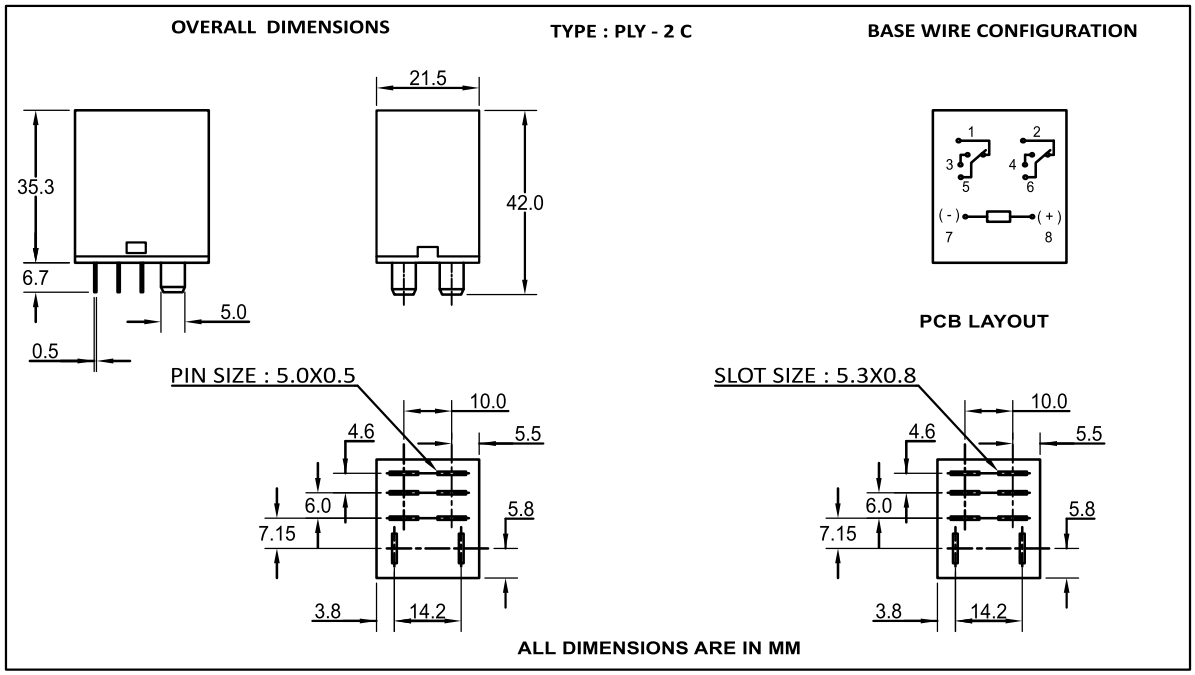
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

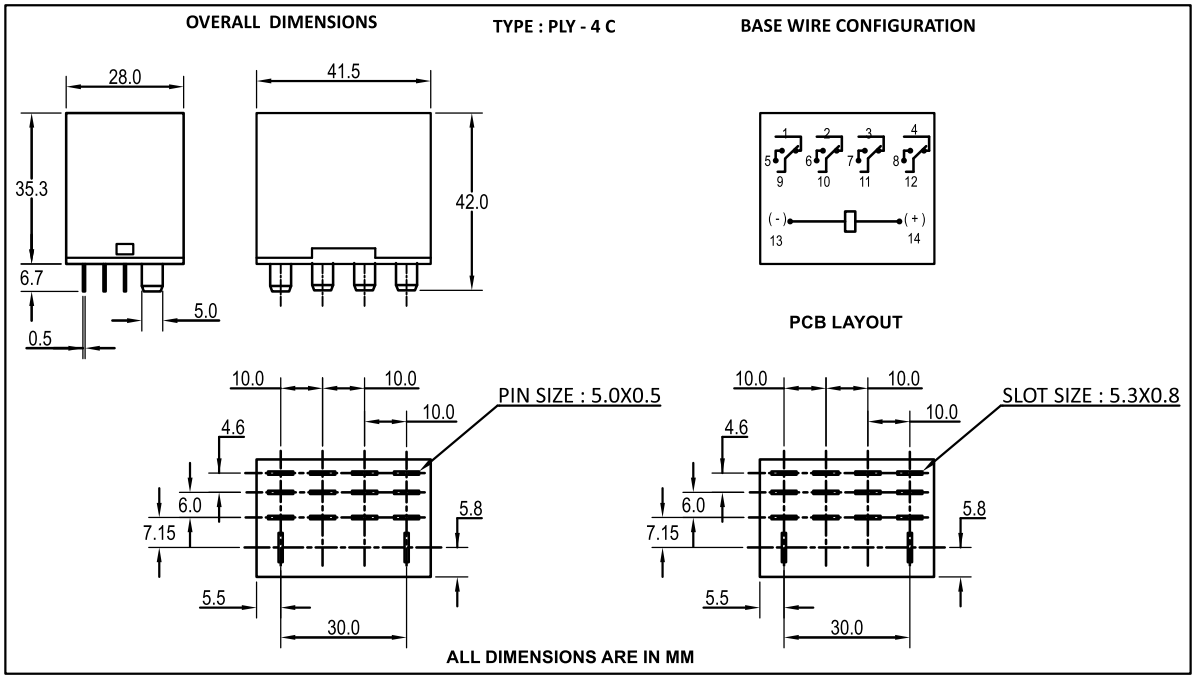
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	2C	4C			2C	4C
12 VDC	160	100	9.6	1.2	1.11 W	1.44 W
24 VDC	650	350	19.2	2.4	0.89 W	1.65 W
48 VDC	2.6k	1.6k	38.4	4.8	0.89 W	1.44 W
240 VAC	18k	8k	192	24	1.28 VA	2.88 VA

ORDERING CODE FOR RELAY



DIMENSIONS





NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

HPS SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		HPS	
TERMINAL TYPE		Solder / Plug-In	
CONTACT CONFIGURATION		1C , 1N/O 2C , 2N/O	3C ,3N/O
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		16 Amp	
RELAY WITH ARC SUPPRESOR RATED CARRYING CURRENT AT 220 VDC		16 Amp	-
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	6-220 V	
	AC	6-240 V @50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		1.2 - 1.21 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		2.42 - 3.60 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	2000 VRMS	
	COIL TO CONTACT	2000 VRMS	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		500 MΩ	
OPERATE TIME (MAX)		25 ms	
RELEASE TIME (MAX)		15 ms	
AMBIENT TEMPERATURE		-40˚C To +70˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		36.5 x 36.5 x 44.7(+8.1)	
MAX WEIGHT IN GRAMS (APPROX.)		90 gms	
OPTIONAL FEATURE		LED , Diode	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Medium Power Sources
- High Reliability
- Elegant / Sturdy and Light Weight

APPLICATIONS

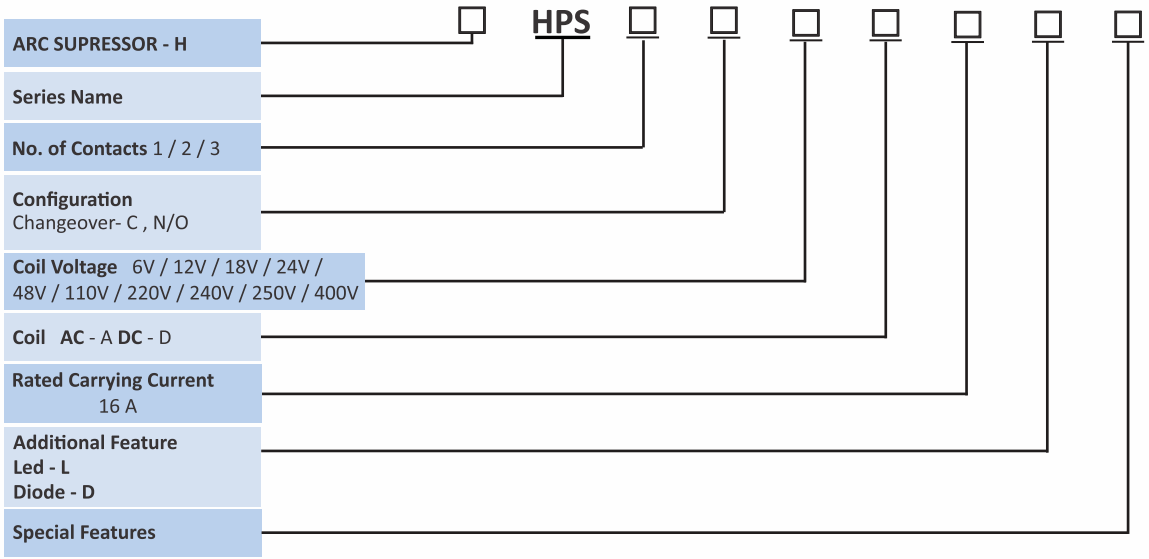
• Voltage Stabilizer	• Uninterrupted Power Supply	• Process Control System
• Control Panels	• Inverters	• Industrial Controls
• Battery Charger		

NOTE:- 1) Recommended socket :- HPSS DR 11 20A
2) Relays With Arc Suppressor Available In 1C , 1N/O , 2C , 2N/O Contact Configuration
3) All Specification / Dimensions subject to Tolerance.
4) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

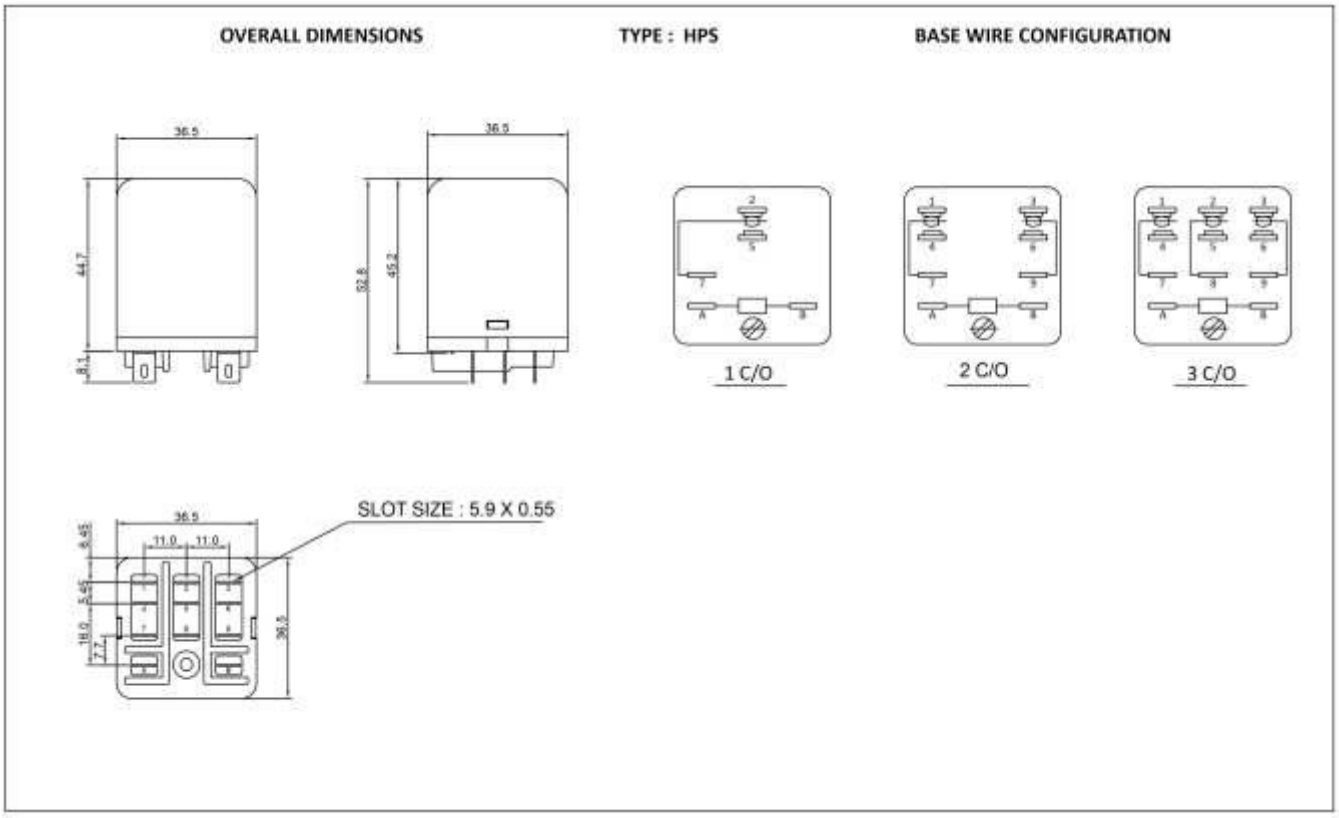
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR DC COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
6	30	4	4.8	0.6	1.2	3.60
12	120	16	9.6	1.2	1.2	3.60
18	270	-	14.4	1.8	1.2	-
24	480	70	19.2	2.4	1.2	3.29
48	1.9k	-	38.4	4.8	1.21	-
110	10k	2k	88	11	1.21	2.42
220	40k	-	176	22	1.21	-
240	-	9.5k	192	24	-	2.43
250	50k	-	200	25	1.25	-
400	-	27k	320	40	-	2.37

ORDERING CODE FOR RELAY



DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

MPCN SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		MPCN	
TERMINAL TYPE		Plug In	
CONTACT CONFIGURATION		1C	2C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		12A	7A
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-24 V	
	AC	240 V @50Hz	
OPERATING POWER FOR DC COIL		0.52 W	
OPERATING POWER FOR AC COIL		0.96 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1000 VRMS	
	COIL TO CONTACT	5000 VRMS	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		2000 MΩ	
OPERATE TIME (MAX)		12 ms	
RELEASE TIME (MAX)		7 ms	
AMBIENT TEMPERATURE		-40˚C To +70˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^7	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		12.7 x 31.0 x 32.5 (+6.5)	
MAX WEIGHT IN GRAMS (APPROX.)		20 gms	
INBUILT FEATURE		LED	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Sub Miniature
- PCB Mountable
- Flag Indication
- Suitable for Relay Module

APPLICATIONS

- Machine Tools
- Control Panels
- Automation

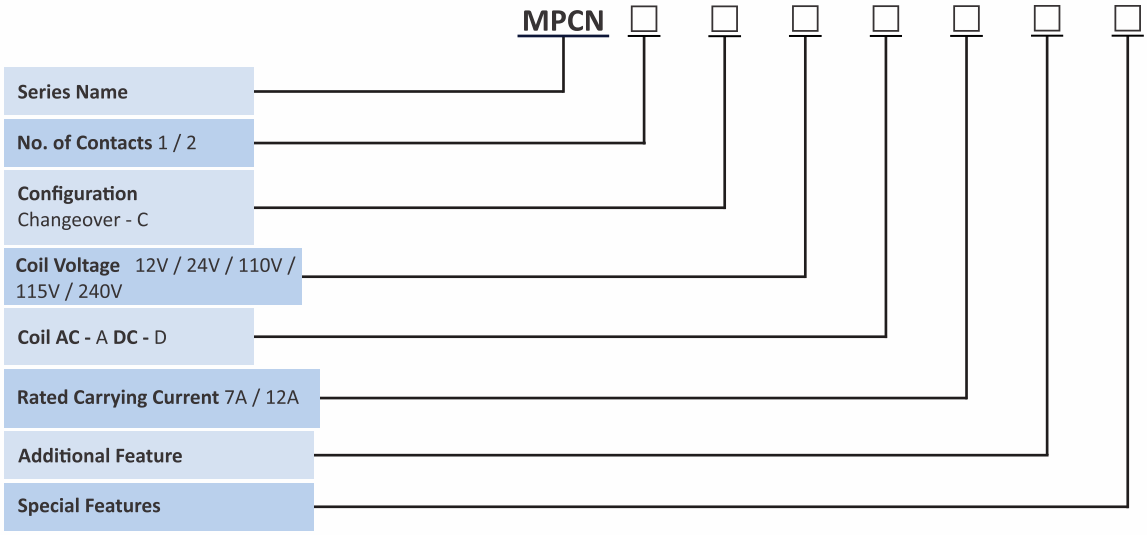
NOTE :-

1) Recommended Socket :- MPCNS 5/8
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of Manufacturer / Management of the company which can be done without any notice.

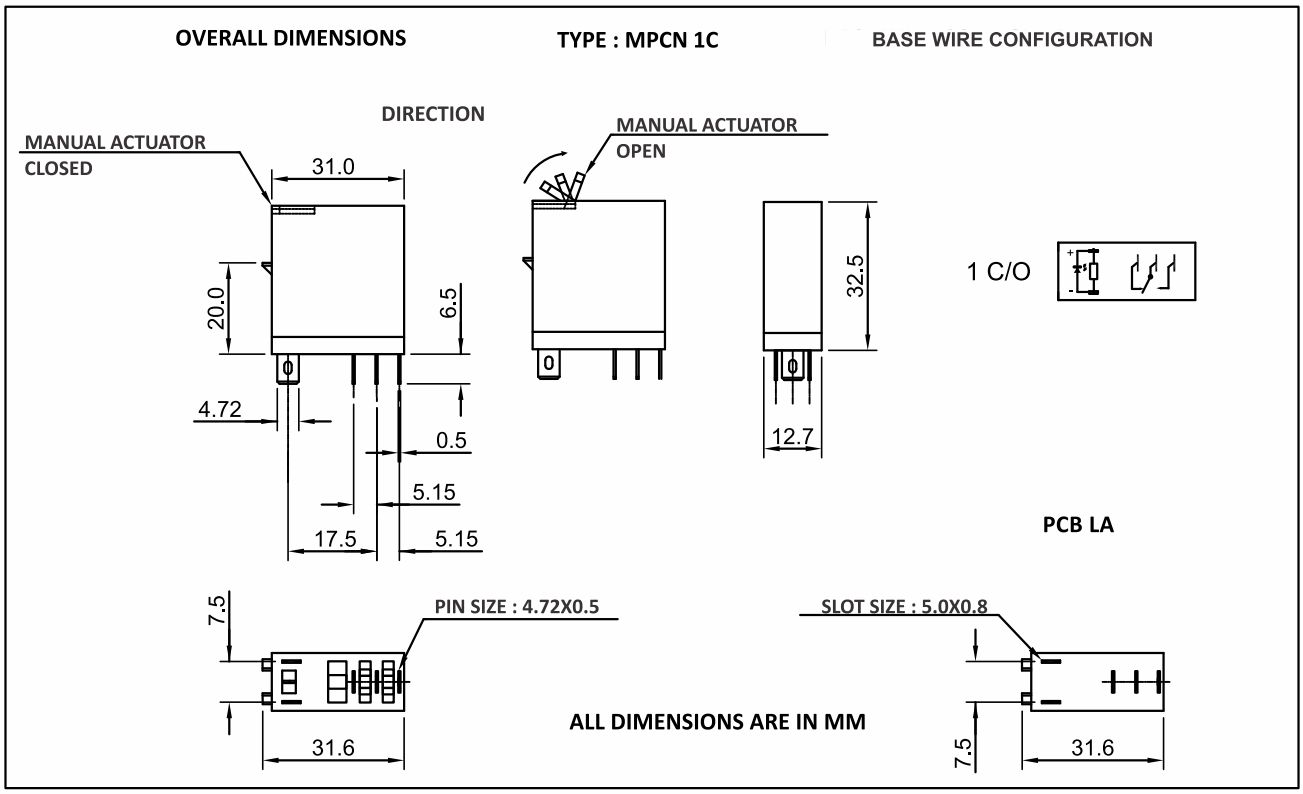
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

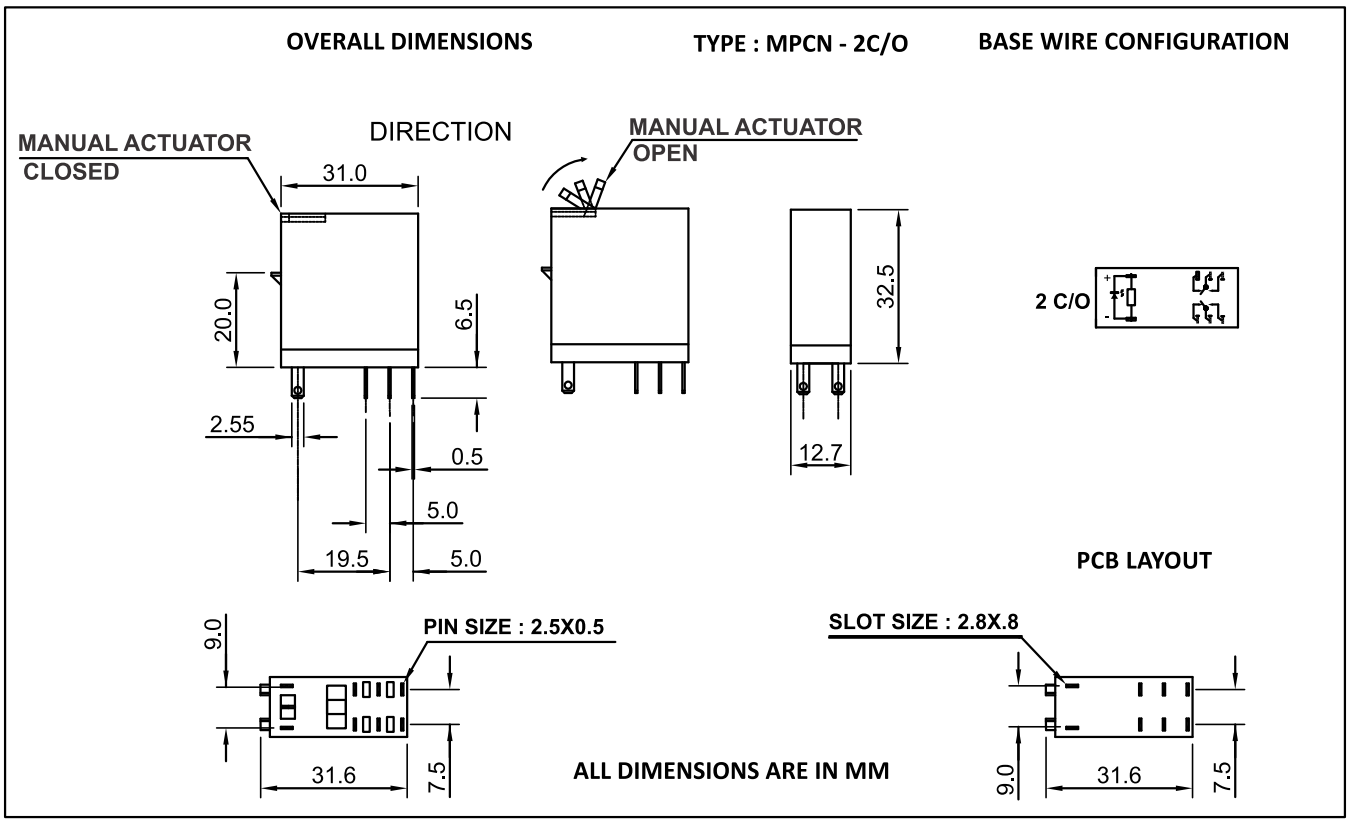
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC	AC
12	270	-	9.6	1.2	0.52	-
24	1.1k	240	19.2	2.4	0.52	0.96
110	22.8k	-	88	11	0.53	-
115	-	6.3k	92	11.5	-	0.83
240	-	23k	192	24	-	1

ORDERING CODE FOR RELAY



DIMENSIONS





NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PMCM SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		PMCM	
TERMINAL TYPE		PCB / Plug In	
CONTACT CONFIGURATION		1C	2C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 240 VAC		12A & 16A	8A
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-24 V	
	AC	240 V @50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		0.53 - 0.55 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		0.65 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1000 V_{RMS}	
	COIL TO CONTACT	5000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-20˚C To +70˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		12.7 x 29.0 x 20.4(+4.0)	
MAX WEIGHT IN GRAMS (APPROX.)		20 gms	
INBUILT FEATURE		LED	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- SUB Miniature
- PCB Mountable
- High Capacity
- Low Profile
- Suitable for Relay Module

APPLICATIONS

- Contact Multiplying Relays
- Automation

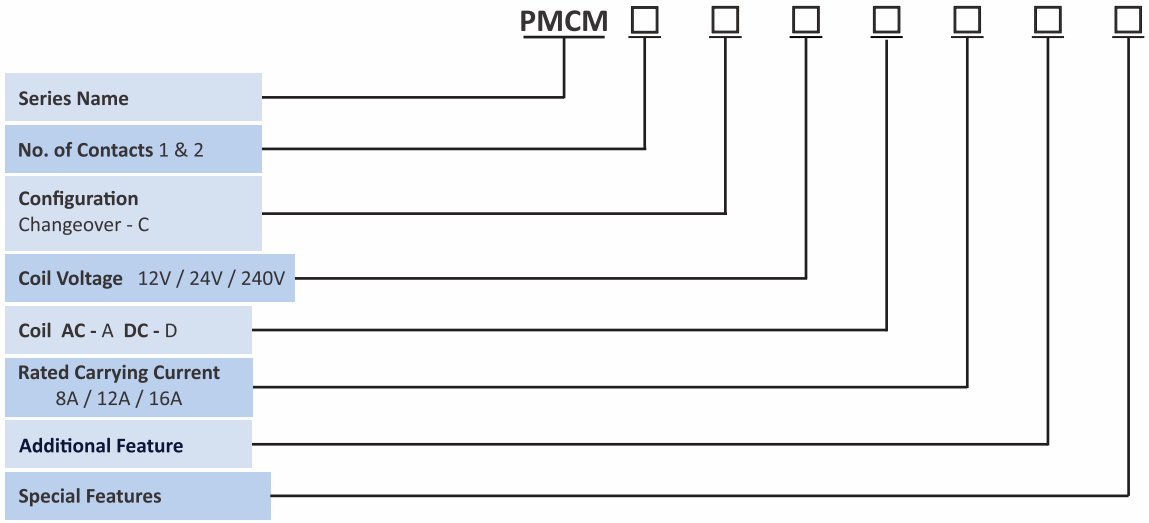
NOTE :-

1) Recommended Socket :- For PMCM 1C / 2C is PMCMS - 5 / 8
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of Manufacturer / Management / of the Company which can be done without any notice.

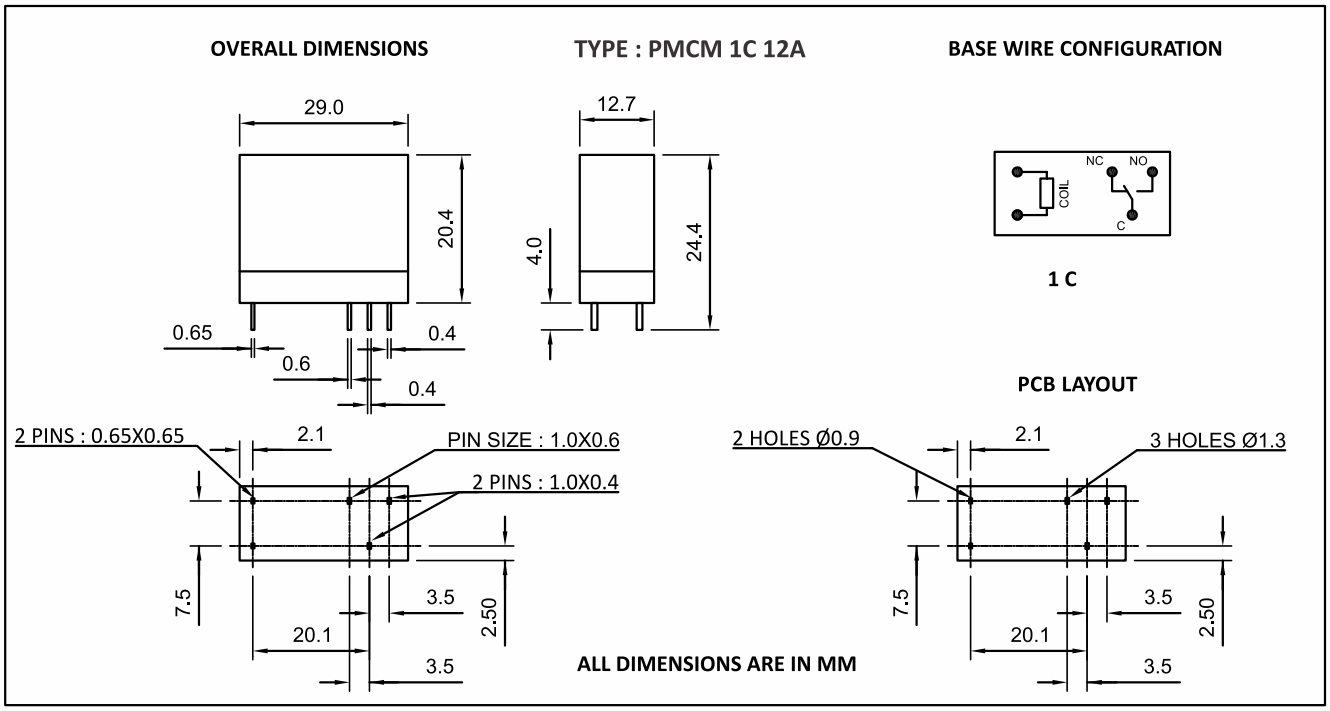
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC (W)	AC (VA)
12	270	-	9.6	1.2	0.53	-
24	1.05k	-	19.2	2.4	0.55	-
240	-	35k	192	24	-	0.65

ORDERING CODE FOR RELAY

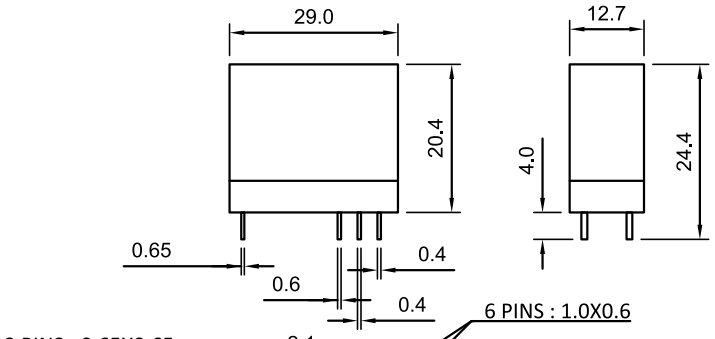


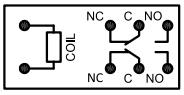
DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

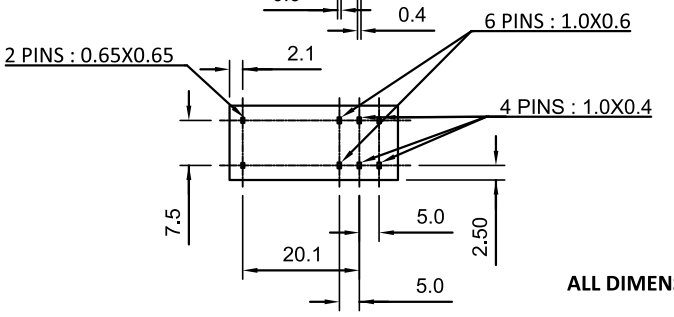
OVERALL DIMENSIONS **TYPE : PMCM 2C 8A & PMCM 1C 16A** **BASE WIRE CONFIGURATION**

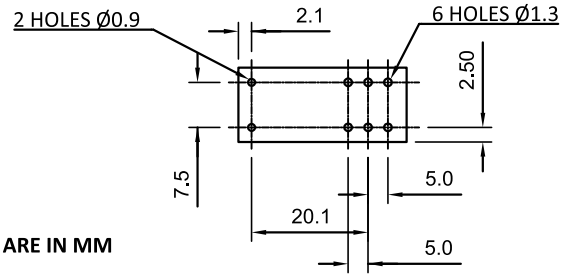




2 C

PCB LAYOUT





ALL DIMENSIONS ARE IN MM

PSR SERIES

(RELAYS WITH FORCIBLY GUIDED CONTACT)

TECHNICAL SPECIFICATIONS

TYPE		SAFETY RELAY
TERMINAL TYPE		PCB
CONTACT CONFIGURATION		2NO + 2NC & 3NO + 1NC
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		6 A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		100mΩ Max
COIL NOMINAL VOLTAGES	DC	6 - 48 V
OPERATING POWER (MIN-MAX) FOR DC COIL		360 mW
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	1500 V_{RMS}
	COIL TO CONTACT	4000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		20 ms
AMBIENT TEMPERATURE		-40 C To +85˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^7
FORCIBLY GUIDED CONTACTS TYPE (ACC TO EN50205)		TYPE A
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		13 x 40 x 24
MAX WEIGHT IN GRAMS (APPROX.)		20 gms
INBUILT FEATURES		LED

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Multi-contact arrangements
- Forcibly guided contacts
- 6A switching capability
- Low input power 360mW
- High insulation capability :10kV surge voltage between input and output
- UL insulation system : class F available

APPLICATIONS

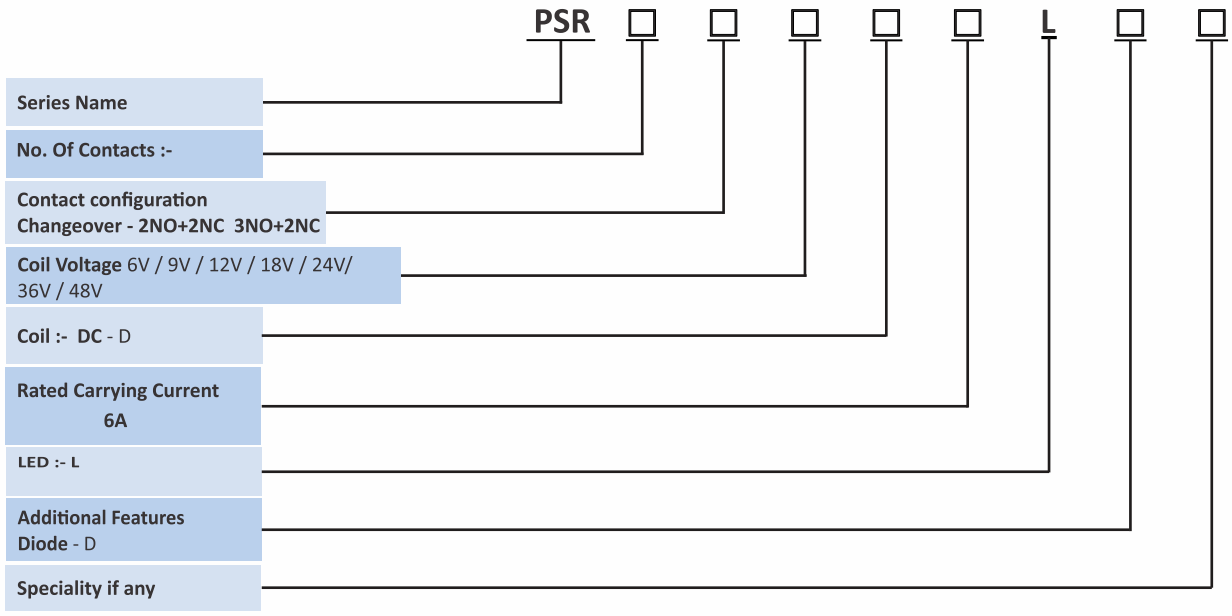
- Emergency stop modules
- Two hand operating devices
- Pressure mat controls
- Elevators / Escalators
- Din Rail Safety Modules
- Safety door controls
- Speed Controls

NOTE :- 1)Recommended socket :- PSRS
2) All Specification / Dimensions subject to Tolerance
3) Gold plated contacts available with extra charges
4) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

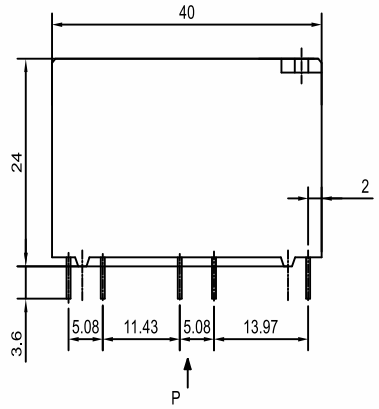
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL
	DC RELAY			DC (W)
6	100	4.5	0.6	0.36
9	225	6.8	0.9	0.36
12	400	9.0	1.2	0.36
18	900	13.5	1.8	0.36
24	1.6k	18.0	2.4	0.36
36	3.6k	27.0	3.6	0.36
48	6.4k	36.0	4.8	0.36

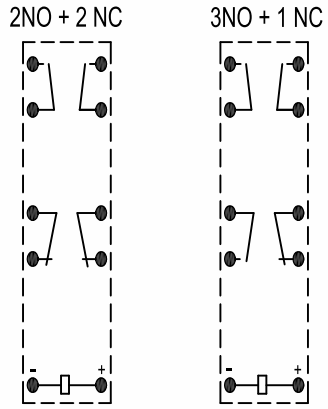
ORDERING CODE FOR RELAY

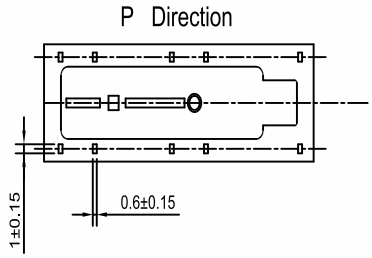


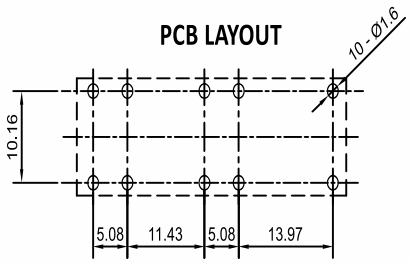
OVERALL DIMENSIONS

OVERALL DIMENSIONS **TYPE : PSR** **BASE WIRE CONFIGURATION**









ALL DIMENSIONS ARE IN MM

NOTE :- 1) In case no tolerance shown in outline dimensions :

Outline dimension 1mm, tolerance should be ±0.2mm

Outline dimension 1mm and 5mm, tolerance should be ±0.3mm

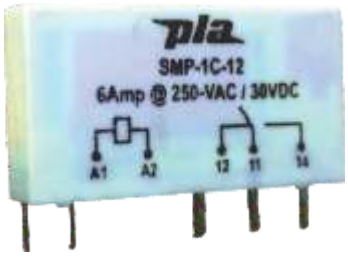
Outline dimension 5mm tolerance should be±0.4mm

2) The tolerance without indicating for PCB layout is always ±0.2mm

SMP SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		SMP
TERMINAL TYPE		Plug In / PCB
CONTACT CONFIGURATION		1C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		6A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 m Ω
COIL NOMINAL VOLTAGES	DC	12-24 V
	AC	-
OPERATING POWER FOR DC COIL		0.17 W
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1000 V_{RMS}
	COIL TO CONTACT	4000 V_{RMS}
INSULATION RESISTANCE AT 500 DC AT 27˚C & 65% RH		1000 MΩ
OPERATE TIME (MAX)		8 ms
RELEASE TIME (MAX)		4 ms
AMBIENT TEMPERATURE		-40˚C TO + 85˚C
LIFE EXPECTANCY 1C (NO OF OPERATIONS)		N/O = 3 x 10^4
ELECTRICAL LIFE (NO OF OPERATIONS)		N/C = 1 x 10^4
MECHANICAL LIFE (NO OF OPERATIONS)		10^7
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		28.8 x 5 x 15(+3.5)
MAX WEIGHT IN GRAMS (APPROX.)		5.4 gms



(Photo For Representation Purpose Only)

SALIENT FEATURES

- Suitable for PCB Mount too
- High Break down Voltage 4kV (between Coil & Contacts)
- Slim (width 5mm)
- High Sensitive Approx 170mW

APPLICATIONS

- Timers
- Centralised & Decentralized heating control

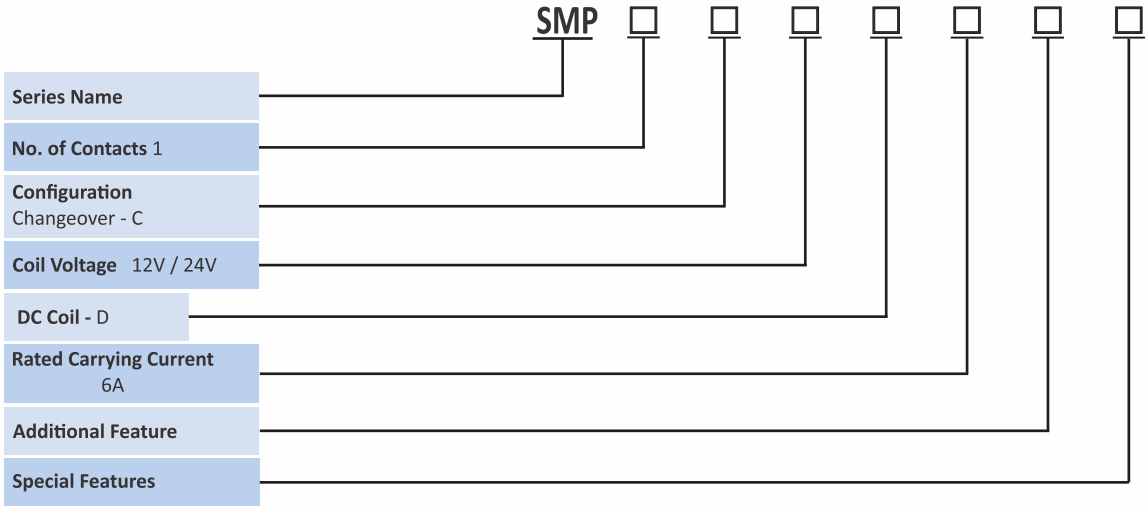
NOTE :-

1) Recommended Socket :- SMP Socket
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of Manufacturer / Management / of the Company which can be done without any notice.

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

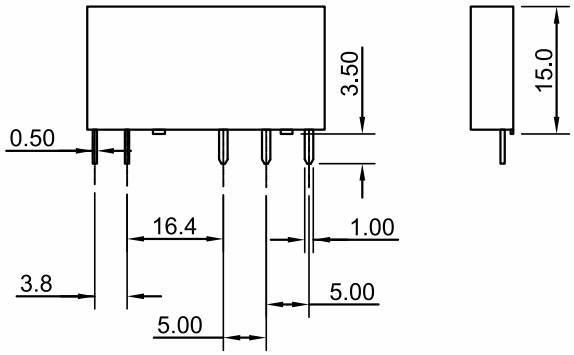
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR DC COIL (W)
12 V	848	9	0.6	0.17
24 V	3.39k	18	1.2	0.17

ORDERING CODE FOR RELAY

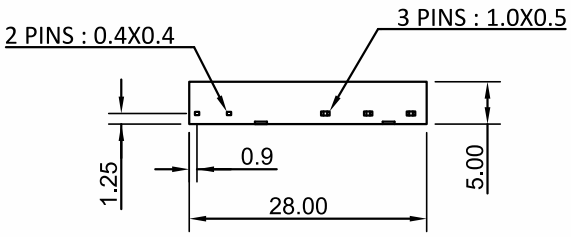


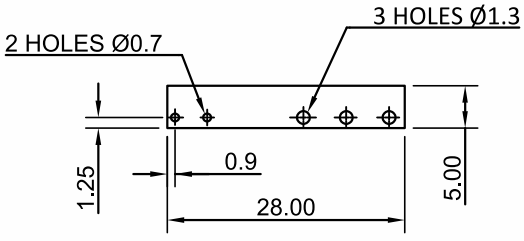
DIMENSIONS

OVERALL DIMENSIONS **TYPE : SMP** **BASE WIRE CONFIGURATION**



PCB LAYOUT





ALL DIMENSIONS ARE IN MM

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

02

POWER RELAYS

Millions Of Relays In Use....

- Battery Charger • Process Controls
- Switching High Voltage DC Current • High Voltage DC Motor • High Voltage DC Panels
- Voltage Stabilizer Furnace Controls • Process Controls
- Inverter • Motor Starter • Vending Machine
- Domestic Appliance • Solar applications

HPCC SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		HPCC
TERMINAL TYPE		Plug In / Lugs / Solder
CONTACT CONFIGURATION		2C & 2 N/O
RATED CARRING CURRENT (RESISTIVE) AT 220 VDC / 250 VAC		20A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 m Ω
COIL NOMINAL VOLTAGES	DC	12-220 V
	AC	240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W
OPERATING POWER (MIN-MAX) FOR AC COIL		4.90 VA
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	2000 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ
OPERATE TIME (MAX)		15 ms
RELEASE TIME (MAX)		6 ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
IMPULSE WITHSTAND VOLTAGE (AS PER IEC 60255-5)		5kV (1.2/50µs)
ARC SUPPRESSOR		Provided
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		50.5 x 70(+ 9.8) x 45.6
MAX WEIGHT IN GRAMS (APPROX.)		126 gms
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Compact Size
- Black Cover
- Socket/Solder/Crimping Terminal
- ARC Suppressor
- High Voltage DC Panels

APPLICATIONS

• Scada-Power Circuit	• Battery Charger	• Process Controls
• Switching High Voltage DC Current	• High Voltage DC Motor	• High Voltage DC Panels

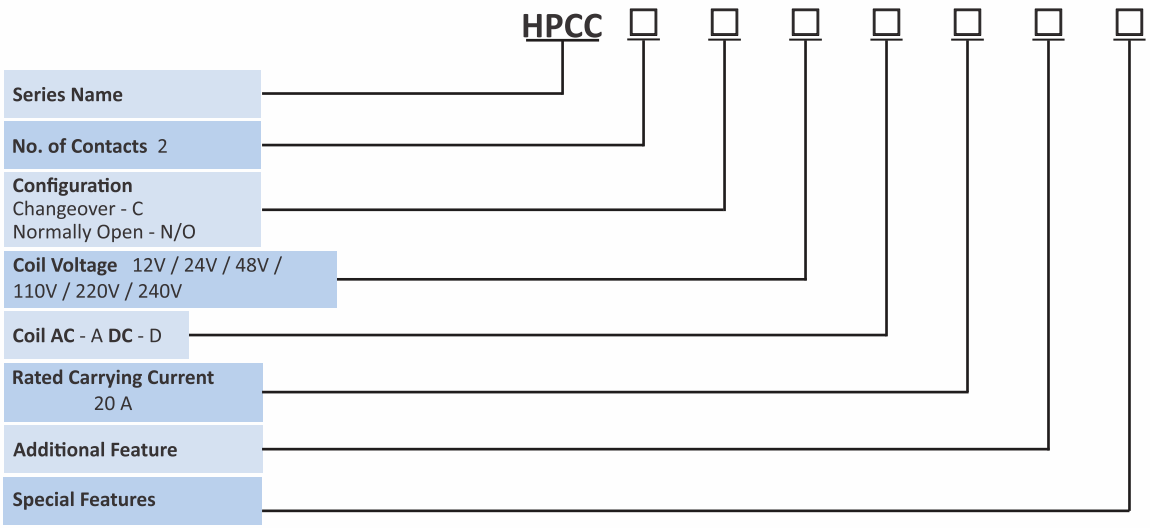
NOTE:-

1) Recommended Socket :- PRS S1
2) All Specification / Dimensions subject to Tolerance.
3) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

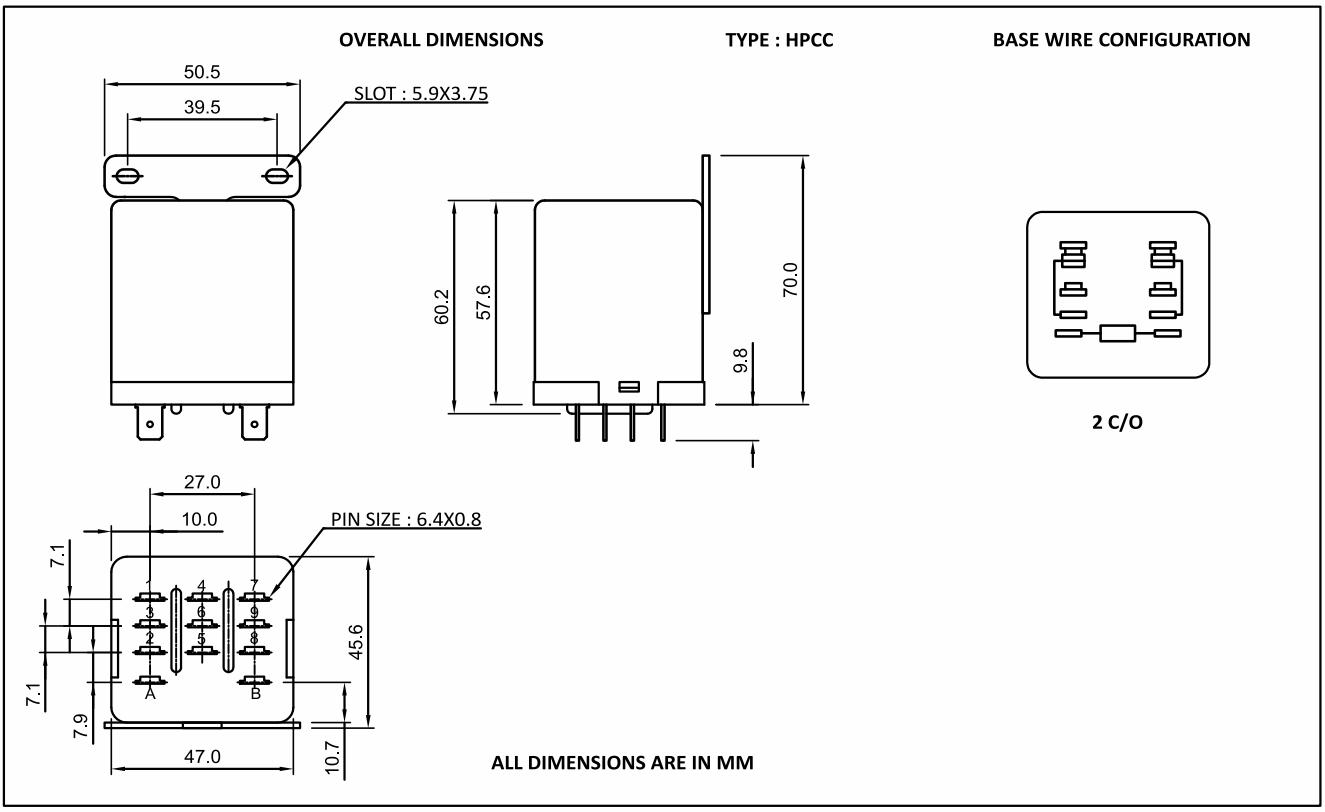
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR DC COIL	
	DC	AC			DC (W)	AC (VA)
12	74	-	9.6	1.2	1.95	-
24	300	-	19.2	2.4	2.22	-
48	1.2k	-	38.4	4.8	1.92	-
110	5.5k	-	88	11	2.20	-
220	26k	-	176	22	1.86	-
240	-	4.7k	192	24	-	4.90

ORDERING CODE FOR RELAY



DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

LPR 30E SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		LPR 30E
TERMINAL TYPE		Solder / Lugs
CONTACT CONFIGURATION		1C
RATED CARRING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		30 A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12 - 110 V
	AC	240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		1.2 - 1.21 W
OPERATING POWER (MIN-MAX) FOR AC COIL		2.42 - 3.6 VA
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		10 ms
AMBIENT TEMPERATURE		-25˚C To + 55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		50000
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		37.2 X 55 X 47.5
MAX WEIGHT IN GRAMS (APPROX.)		80 gms
MOUNTING		Metal base plate
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Elegant
- Reliable

APPLICATIONS

• Voltage Stabilizers	• Furnace Controls	• Process Controls
• Inventors	• Heaters	• Vending Machines
• Domestic Appliances		

NOTE:- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

2) All Specification / Dimensions subject to Tolerance.

3) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

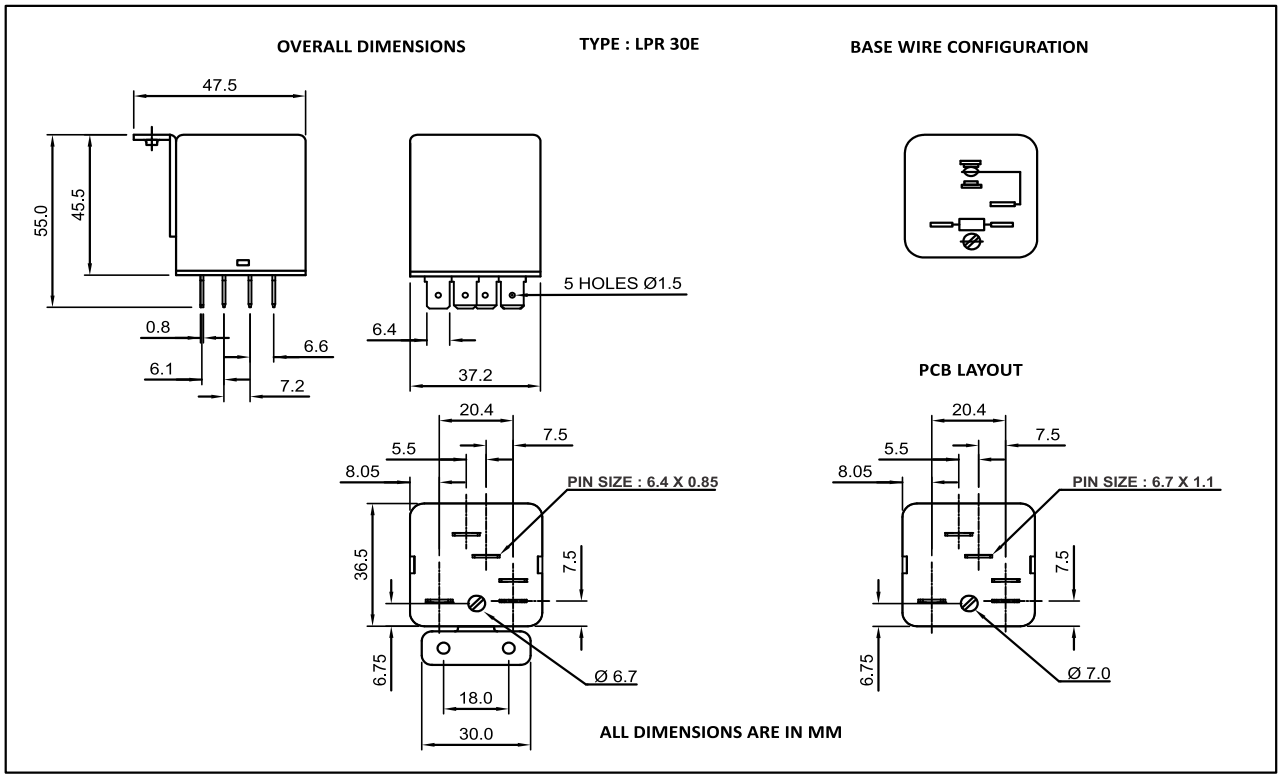
NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC Relay	AC Relay			DC (W)	AC (VA)
6	30	4	4.8	0.6	1.2	3.6
12	120	16	9.6	1.2	1.2	3.6
18	270	-	14.4	1.8	1.2	-
24	480	110	19.2	2.4	1.2	3.29
48	1.9k	-	38.4	4.8	1.21	-
110	10k	2k	88	11	1.21	2.42
220	40k	-	176	22	1.21	-
240	-	9.5k	192	24	-	2.42

ORDERING CODE FOR RELAY

LPR 30E □ □ □ □ □ □

- **Series Name**
- **Rated carrying current** 30 A
- **No. Of Contacts** 1
- **Configuration** Changeover-C
- **Coil Voltage** 6V / 12V / 18V / 24V / 48V / 110V / 220V / 240V
- **Coil AC** - A **DC** - D
- **Additional Feature**
- **Special Features**

DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PCC / LPR 30 SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		PCC / LPR 30	
TERMINAL TYPE		Solder / Lugs	
CONTACT CONFIGURATION		1C, 2C, 3C	1 N/O, 2 N/O, 3 N/O
RATED CARRING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		30A	
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12 - 220 V	
	AC	24 - 240V @ 50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		3.72 - 5.76 VA	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25˚C To + 55˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		46.5 X 66.7(+9.6) X 50	
MAX WEIGHT IN GRAMS (APPROX.)		125 gms	
MOUNTING		Metal Base Plate	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Screw Terminals
- Elegant
- Reliable

APPLICATIONS

• Voltage Stabilizers	• Furnace Controls	• Process Controls
• Inventors	• Heaters	• Vending Machines
• Domestic Appliances	• Air conditioners	

NOTE:- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

2) Recommended Socket : - PRS S 1

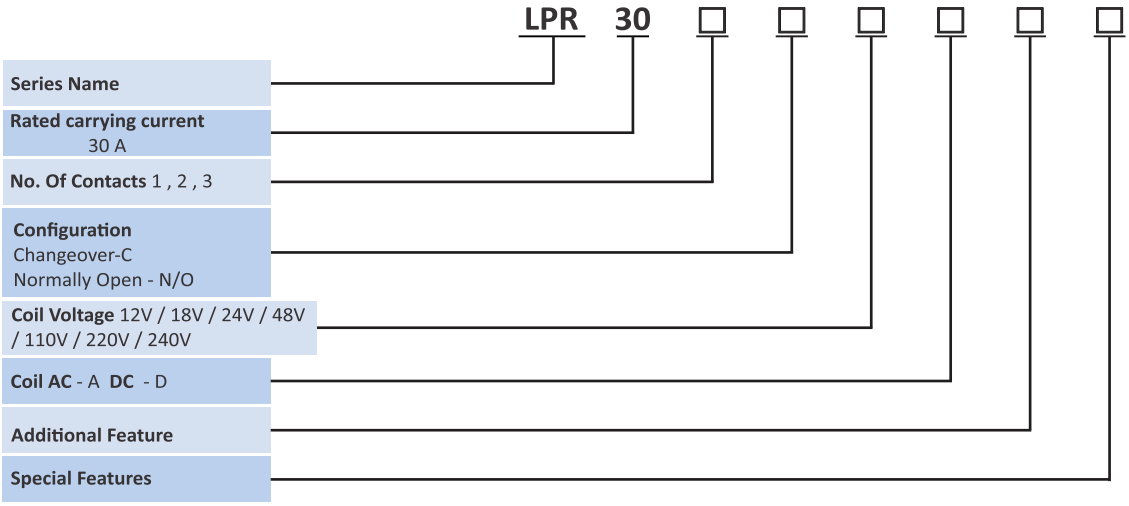
3) All Specification / Dimensions subject to Tolerance.

4) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

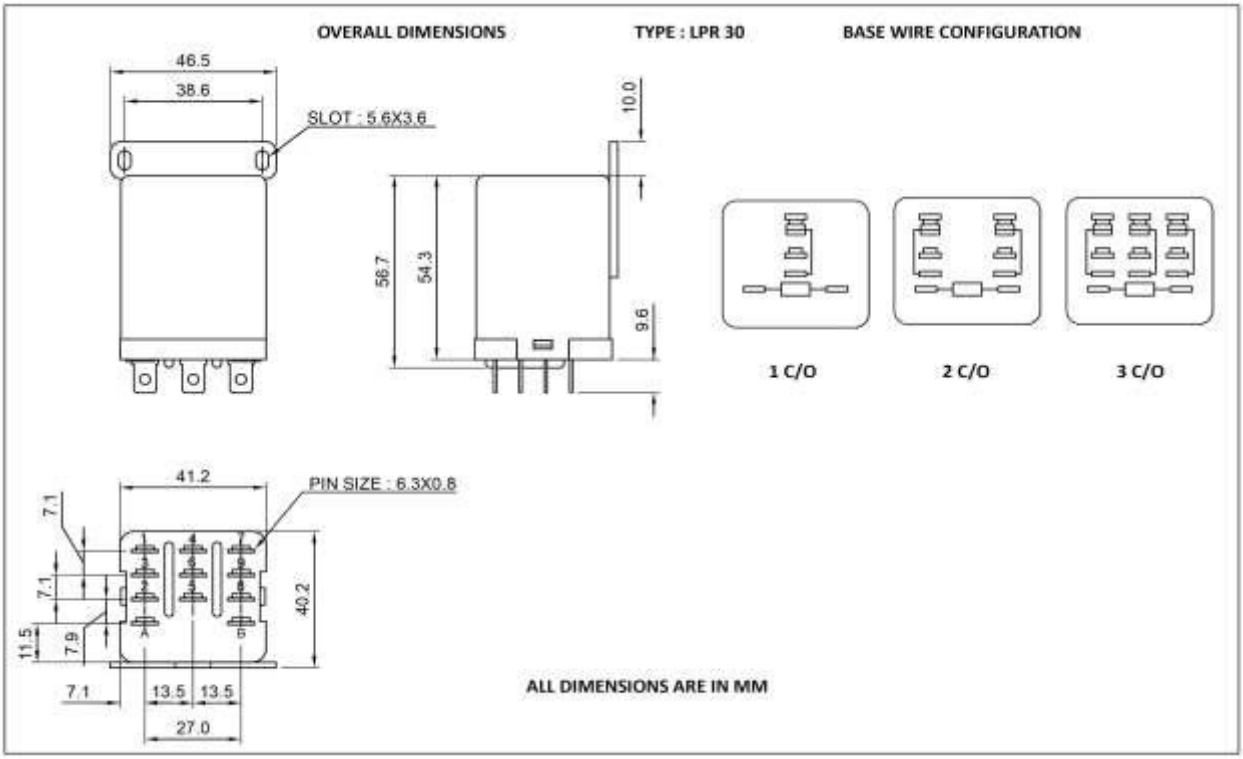
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	1C	2C & 3C			1C	2C & 3C
12 VDC	120	74	9.6	1.2	1.2 W	1.95 W
18 VDC	-	150	14.4	1.8	-	2.16 W
24 VDC	480	260	19.2	2.4	1.2 W	2.22 W
48 VDC	-	1.2k	38.4	4.8	-	1.92 W
110 VDC	-	5.5k	88	11	-	2.20 W
220 VDC	-	26k	176	22	-	1.86 W
24 VAC	-	40	19.2	2.4	-	5.76 VA
115 VAC	-	1.3k	88	11	-	3.72 VA
240 VAC	4.7K	4.7k	192	24	-	4.90 VA

ORDERING CODE FOR RELAY



DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

LPR 40E SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		LPR 40E	
TERMINAL TYPE		SOLDER / LUGS	TERMINAL WITH LUGS
CONTACT CONFIGURATION		1C	2N/O , 2N/C
			3N/O , 3N/C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		40A	
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-110 V	
	AC	240 V	
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		4.9 VA	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		500 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25˚C To +55˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		50000	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		49 x 56(+10) x 48	45 x 57(+10) x 47.5
MAX WEIGHT IN GRAMS (APPROX.)		90 gms	
MOUNTING		Molded base plate	Metalic base plate

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Compact Size
- Elegant
- Reliable
- Heavy Duty

APPLICATIONS

• Furnace Controls	• Voltage Stabilizer	• Process Controls
• Inventors	• Heaters	• Vending Machines
• Domestic Appliance	• Temperature Controllers	

NOTE :- 1)Recommended Socket : - PRS - 1 : Only for 2N/O , 2N/C , 3N/O , 3N/C

2) All Specification / Dimensions subject to Tolerance.

3) Molded base plate available only in 1C configuration

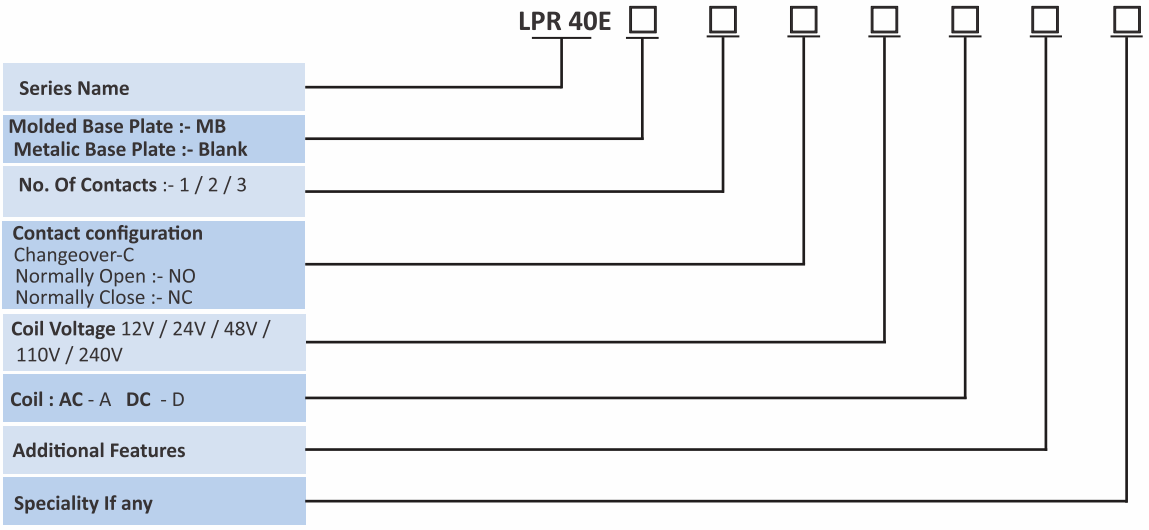
4) Metal base plate available in 2N/O , 2N/C , 3N/O , 3N/C configuration

5) Any Techno commercial changes is/are prerogative of Manufacturer / Management of the Company which can be done without any notice.

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

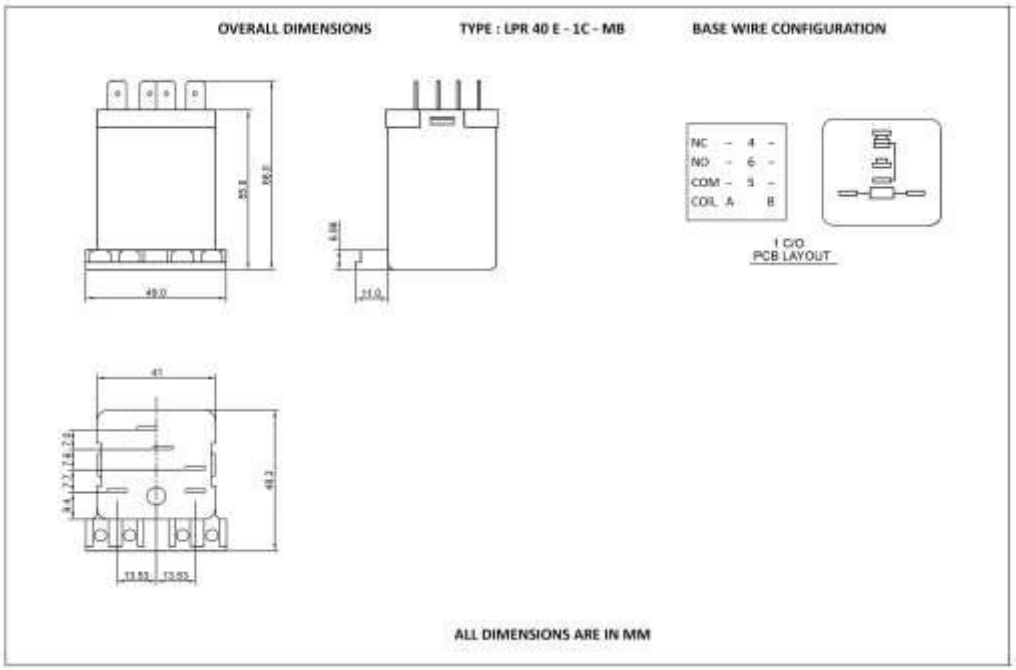
NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL (W)
	DC	AC			
12	74	-	4.5	0.6	1.94 W
24	260 / 300	-	6.8	0.9	2.21 W
48	1.2k	-	9.0	1.2	1.92 W
110	5.5k	-	13.5	1.8	2.2 W
240	-	4.7k	18.0	2.4	4.9 VA

ORDERING CODE FOR RELAY



DIMENSIONS

(WITH MOLDED BASE)



NOTE :- 1) In case no tolerance shown in outline dimensions :

Outline dimension 1mm, tolerance should be ±0.2mm

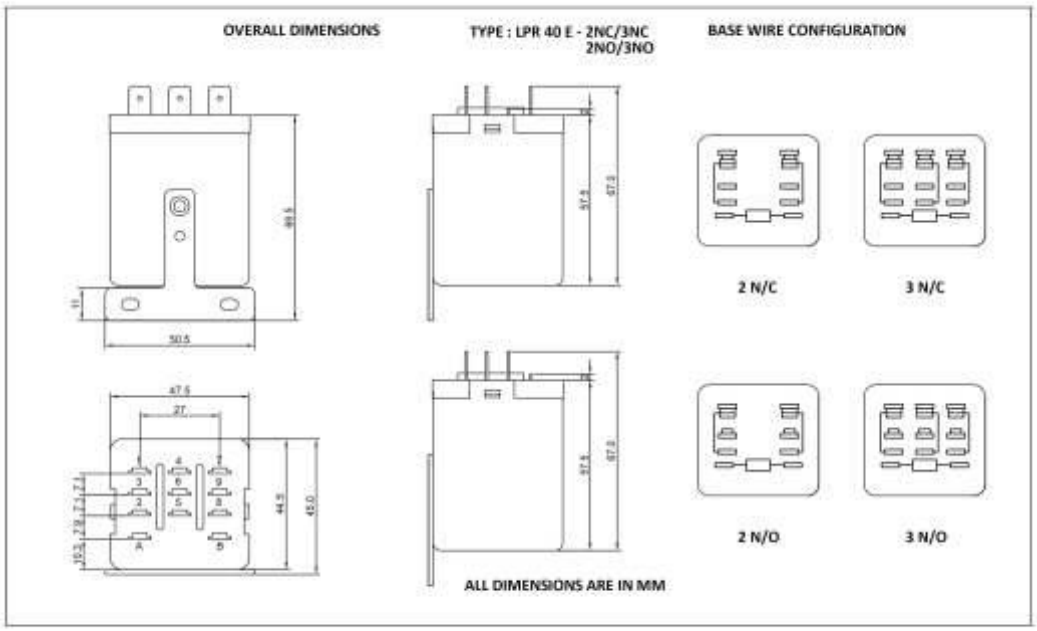
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm

Outline dimension 5mm tolerance should be±0.4mm

2) The tolerance without indicating for PCB layout is always ±0.2mm

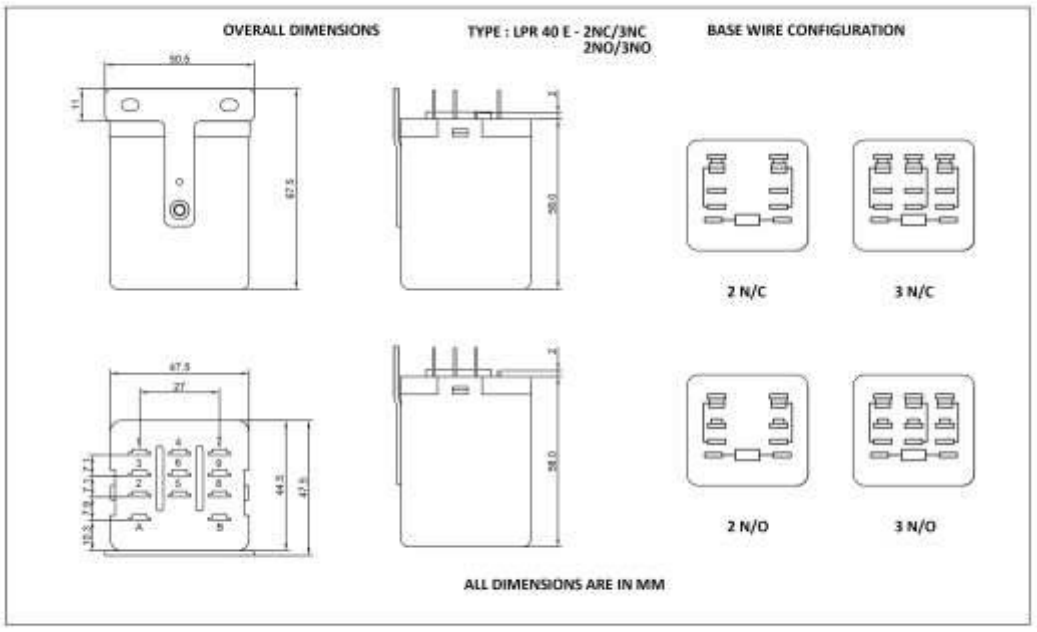
DIMENSIONS

(WITH REGULAR BASE PLATE)



DIMENSIONS

(WITH REVERSE BASE PLATE)



NOTE :- 1) In case no tolerance shown in outline dimensions :

Outline dimension 1mm, tolerance should be ±0.2mm

Outline dimension 1mm and 5mm, tolerance should be ±0.3mm

Outline dimension 5mm tolerance should be±0.4mm

2) The tolerance without indicating for PCB layout is always ±0.2mm

HP 40 / LPR 40 SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		LPR 40	
TERMINAL TYPE		1C Screw terminals 2C / 3C Lugs	
CONTACT CONFIGURATION		1C, 2C, 3C	1 N/O, 2 N/O, 3 N/O
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 240 VAC		40A	
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12-220 V	
	AC	24-240 V @50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		3.72 - 4.76 VA	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25˚C To +55˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		41.5 x 64.8(+11.5) x 40.0	
MAX WEIGHT IN GRAMS (APPROX.)		125gms	
MOUNTING		Metallic base plate	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Screw Terminals
- Elegant
- Reliable

APPLICATIONS

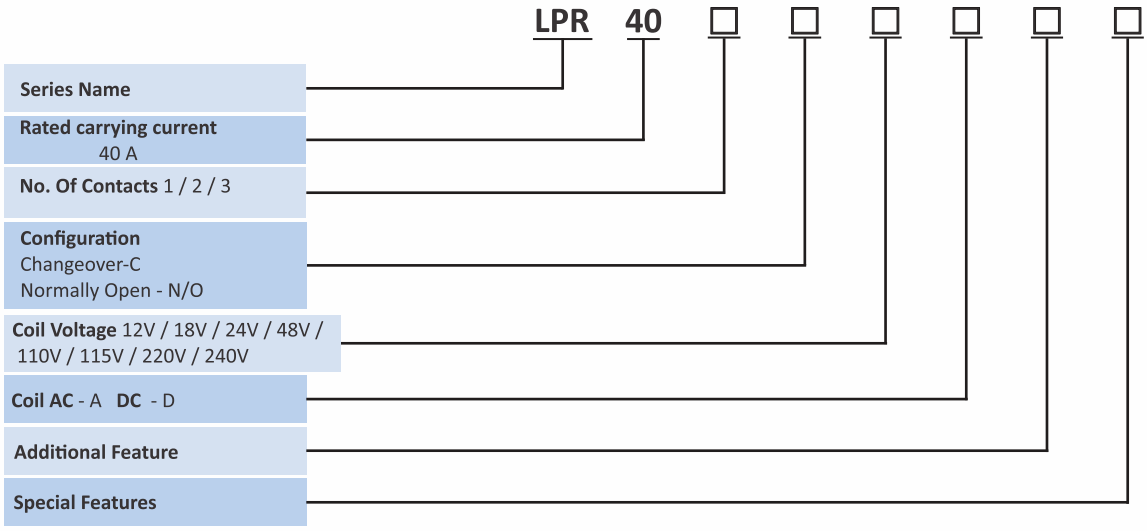
• Furnace Controls	• Voltage Stabilize	• Process Controls
• Inverters	• Motor Starters	• Vending Machines
• Domestic Appliance	• Air Conditioners	

NOTE :- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2) 40 Ampere Relay With 50000 Operation (LPR 40E) Also Available
3) Recommended Socket : - PRS S 1
4) All Specification / Dimensions subject to Tolerance.
5) Any Techno commercial changes is are prerogative of Manufacturer / Management of the Company which can be done without any notice.

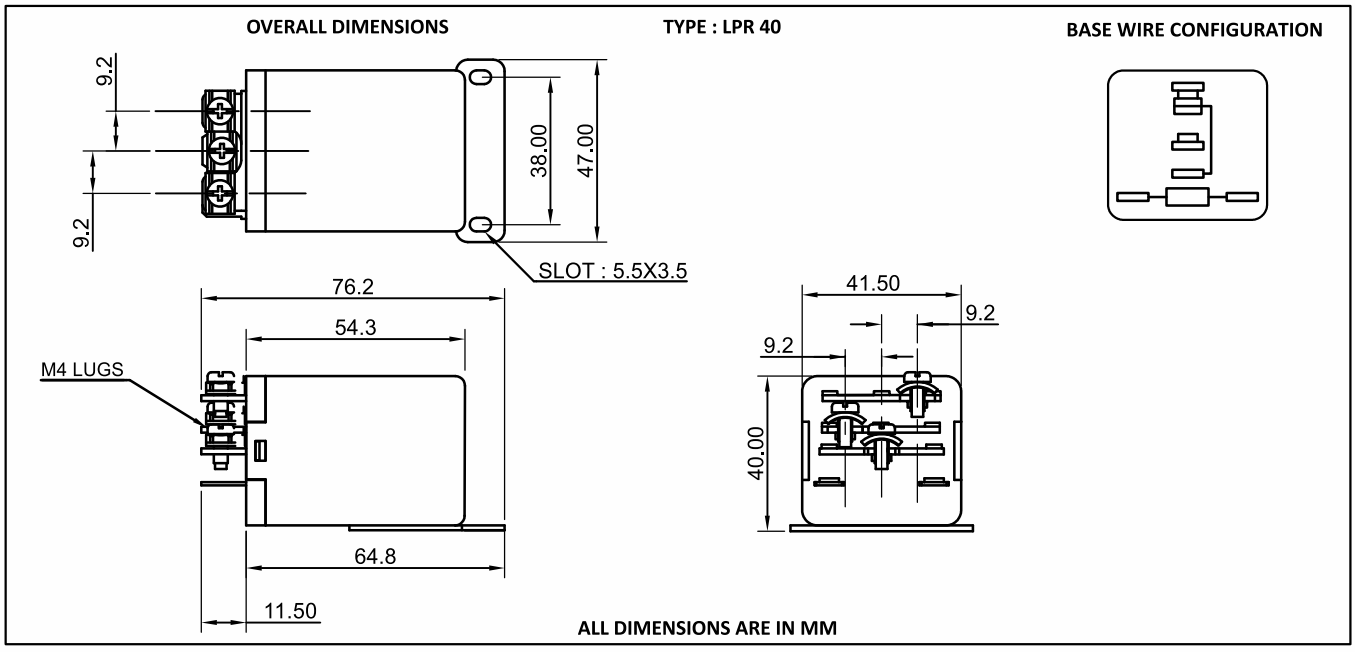
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC (W)	AC (VA)
12	74	-	9.6	1.2	1.95	-
18	150	-	14.4	1.8	2.16	-
24	260/300	40	19.2	2.4	2.22	5.76
48	1.2k	-	38.4	4.8	1.92	-
110	5.5k	-	88	11	2.20	-
115	-	1.3k	92	11.5	-	4.06
220	26k	-	176	22	1.86	-
240	-	4.7k	192	24	-	4.90

ORDERING CODE FOR RELAY



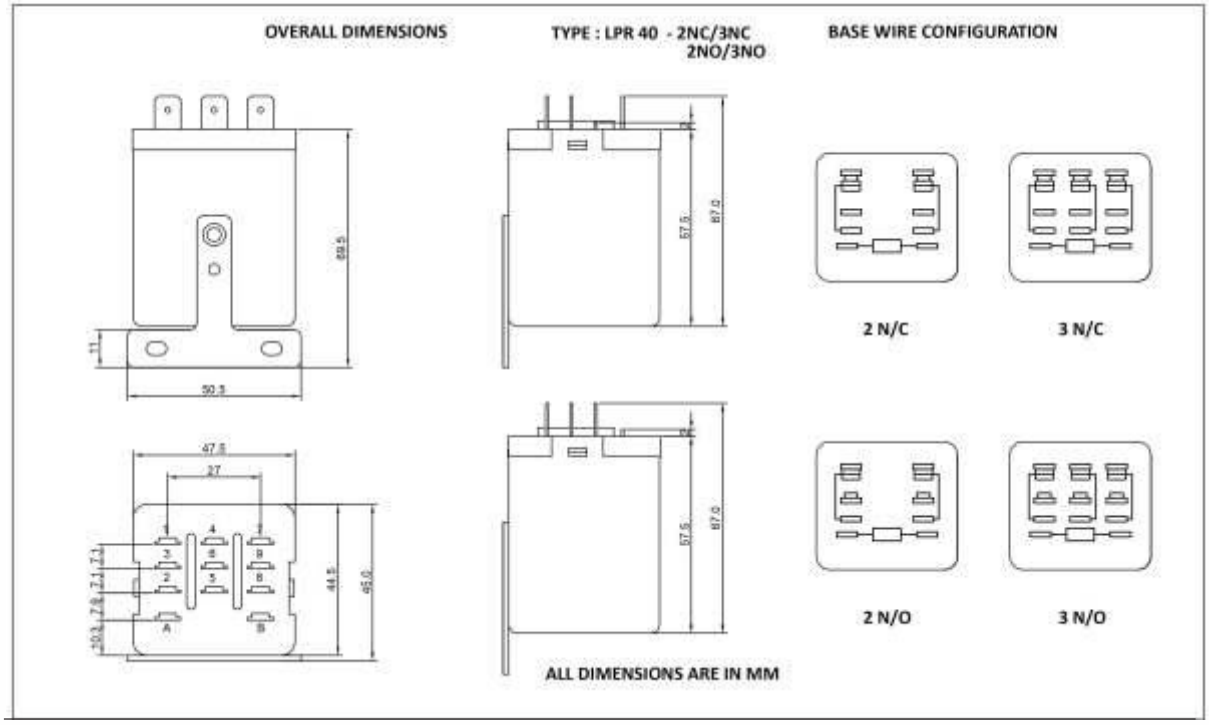
DIMENSIONS



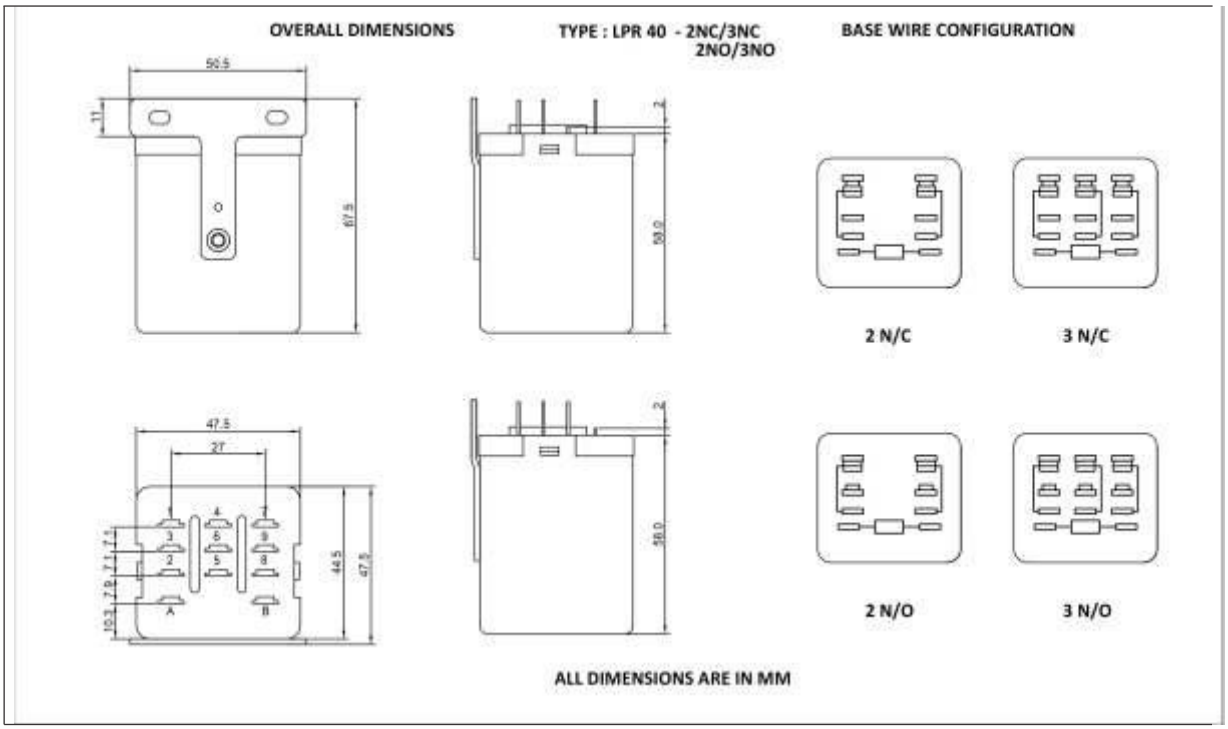
NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

DIMENSIONS

(WITH REGULAR BASE PLATE)



(WITH REVERSE BASE PLATE)



NOTE :- 1) In case no tolerance shown in outline dimensions :

Outline dimension 1mm, tolerance should be ±0.2mm

Outline dimension 1mm and 5mm, tolerance should be ±0.3mm

Outline dimension 5mm tolerance should be±0.4mm

2) The tolerance without indicating for PCB layout is always ±0.2mm

LPR 60 SERIES RELAYS

TECHNICAL SPECIFICATIONS		
TYPE		**LPR 60**
TERMINAL TYPE		Lugs
CONTACT CONFIGURATION		1 C, 1 N/O, 1 N/C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 240 VAC		60A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12-220 V
	AC	24-240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		1.86 - 2.22 W
OPERATING POWER (MIN-MAX) FOR AC COIL		3.72 - 4.76 VA
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		10 ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		"L" TYPE : 47.2 X 71.55 X 45.2 (+10) "T" TYPE : 50.50 X 82.0 X 45.7
MAX WEIGHT IN GRAMS (APPROX.)		140 gms
MOUNTING		Metallic base plate
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Screw Terminals
- Elegant
- Reliable

APPLICATIONS

• Voltage Stabilizers	• Furnace Controls	• Process Controls
• Inverters	• Heaters	• Vending Machines

NOTE :- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

2) All Specification / Dimensions subject to Tolerance.

3) Any Techno commercial changes is / are prerogative of Manufacturer / Management / of the Company which can be done without any notice.

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

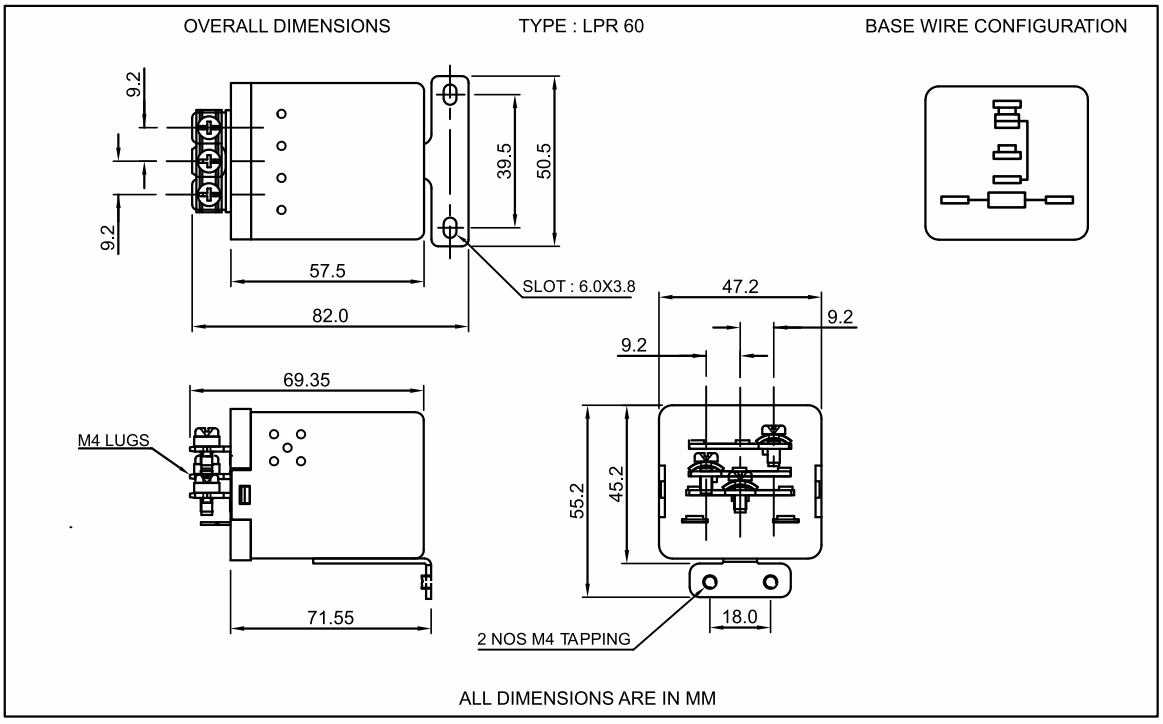
NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC (W)	AC (VA)
12	74	-	9.6	1.2	1.95	-
18	150	-	14.4	1.8	2.16	-
24	260/300	40	19.2	2.4	2.22	5.76
48	1.2k	-	38.4	4.8	1.92	-
110	5.5k	-	88	11	2.20	-
115	-	1.3k	92	11.5	-	4.06
220	26k	-	176	22	1.86	-
240	-	4.7k	192	24	-	4.90

ORDERING CODE FOR RELAY

LPR 60 □ □ □ □ □ □ □

- **Series Name**
- **Rated carrying current** 60 A
- **No. Of Contacts** 1
- **Configuration**
  Changeover - C
  Normally Open - N/O
  Normally Close - N/C
- **Coil Voltage** 12V / 18V / 24V / 48V / 110V / 115V / 220V / 240V
- **Coil AC** - A **DC** - D
- **Additional Feature**
  L Type Base Plate :- L
  T Type Base Plate:- T
- **Special Features**

DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

LPR 80 SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		LPR 80
TERMINAL TYPE		Screw Terminals
CONTACT CONFIGURATION		1 C, 1 N/O, 1 N/C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		80A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12-24 V
	AC	240 V@50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		3.0 W
OPERATING POWER (MIN-MAX) FOR AC COIL		4.90 VA
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		10 ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10000
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		48.0 X 82.5 X 70.5
MAX WEIGHT IN GRAMS (APPROX.)		225 gms
MOUNTING		Molded base plate
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Screw Terminals
- Elegant
- Reliable

APPLICATIONS

- Voltage Stabilizers
- Furnace Controls

NOTE :- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of Manufacturer / Management / of the Company which can be done without any notice.

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

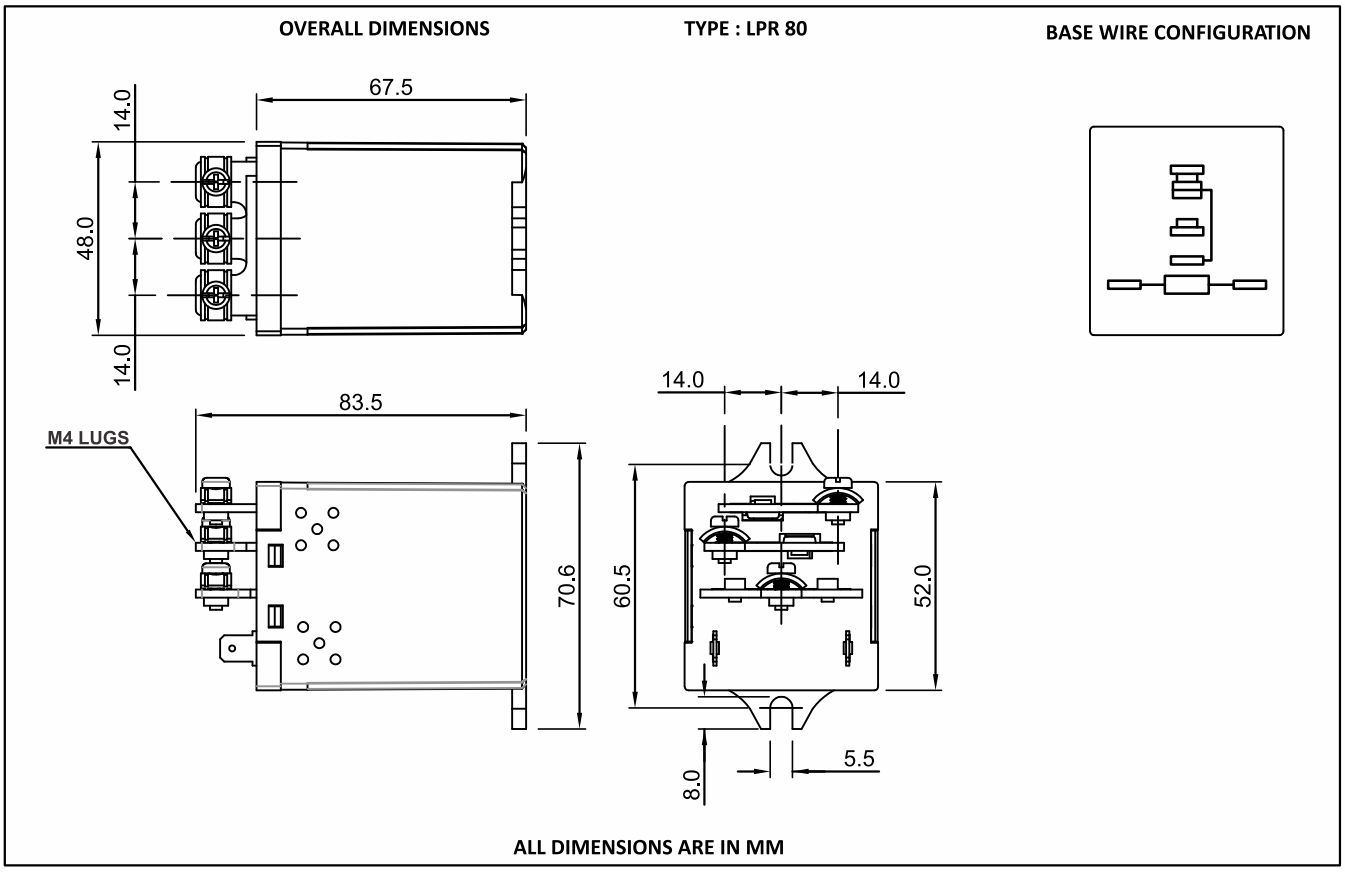
NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC (W)	AC (VA)
12	48	-	9.6	1.2	3.0	-
24	192	-	19.24	2.4	3.0	-
240	-	4.7K	192	24	-	4.90

ORDERING CODE FOR RELAY

LPR 80 □ □ □ □ □ □

- **Series Name**
- **Rating Carrying current** 80 A
- **No. Of Contacts 1**
- **Configuration**
  Changeover - C
  Normally Open - N/O
  Normally Close - N/C
- **Coil Voltage** 12V / 24V / 240V
- **Coil : AC** - A **DC** - D
- **Additional Feature**
- **Special Features**

DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

LPR 100 SERIES RELAYS

TECHNICAL SPECIFICATIONS		
TYPE		**LPR 100**
TERMINAL TYPE		Screw Terminals
CONTACT CONFIGURATION		1 C, 1 N/O, 1 N/C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		100 A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12-24 V
	AC	240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		3 W
OPERATING POWER (MIN-MAX) FOR AC COIL		4.90 VA
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	2000 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		10 ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10000
MECHANICAL LIFE (NO OF OPERATIONS)		10^{6}
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		62.8 X 70.6 X 97.8
MAX WEIGHT IN GRAMS (APPROX.)		265 gms
MOUNTING		Molded base plate
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Compact Size
- Screw Terminals
- Elegant
- Reliable

APPLICATIONS

- Voltage Stabilizers
- Furnace Controls

NOTE :- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

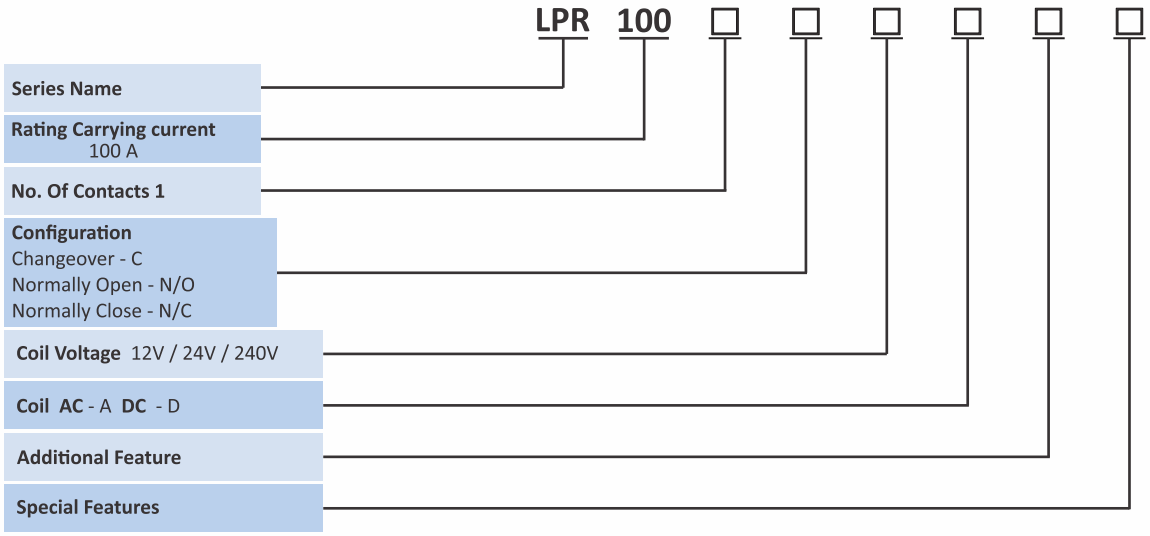
2) All Specification / Dimensions subject to Tolerance.

3) Any Techno commercial changes is / are prerogative of Manufacturer / Management / of the Company which can be done without any notice.

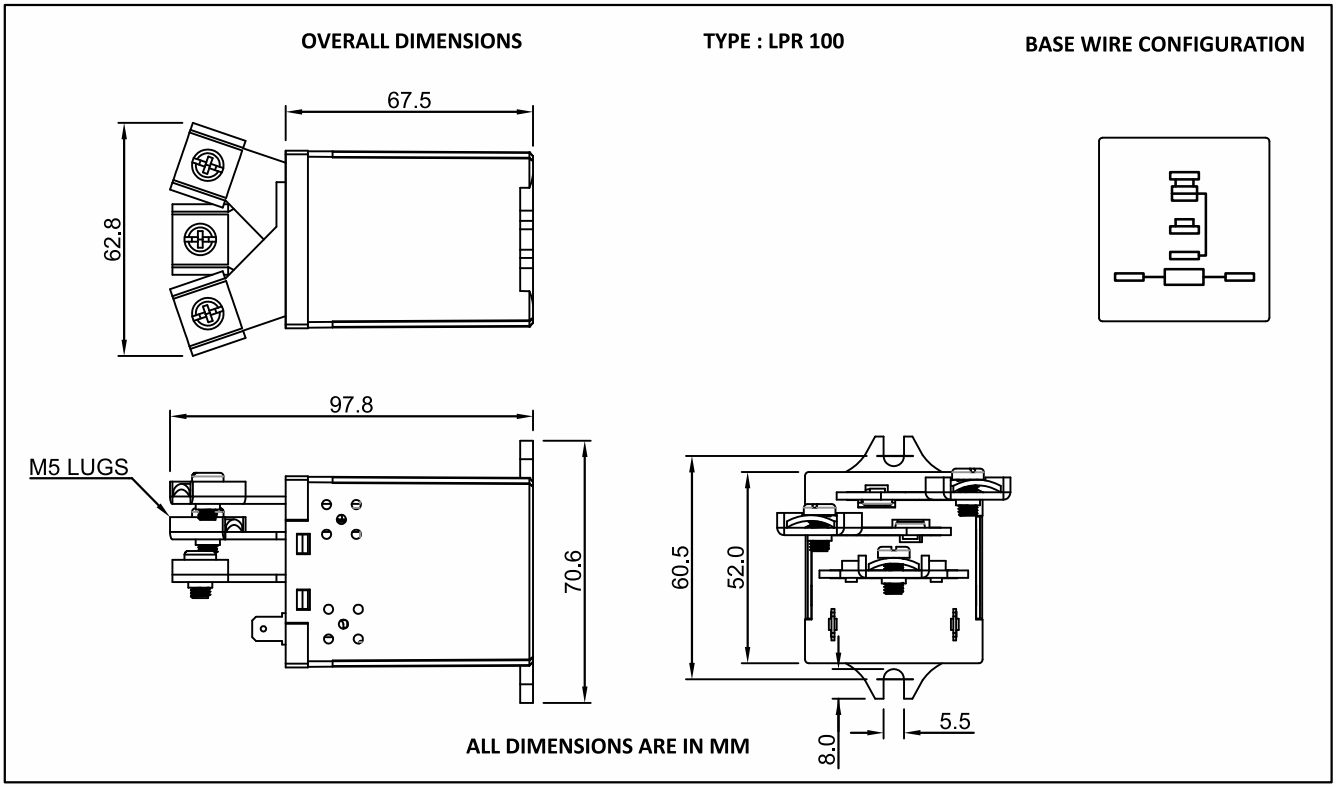
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE ± 10% (Ω)		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC	AC			DC (W)	AC (VA)
12	48	-	9.6	1.2	3.0	-
24	192	-	19.2	2.4	3.0	-
240	-	4.7K	192	24	-	4.90

ORDERING CODE FOR RELAY



DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

03

pla

Millions Of Relays In Use....

GENERAL PURPOSE RELAY

- Machine Tools • Textile Machines • Bio-medical Instruments & Appliances
- Control Panels • Industrial & Consumer electronics • Instrumentation
- Temperature Controllers • Electrical Equipments & Appliances • Stabilizers
- Automation & Remote Control Systems

NEW

MCC-V1 SERIES RELAYS

TECHNICAL SPECIFICATIONS				
PARAMETERS		**TYPE**		
TERMINAL TYPE		SOLDER		
CONTACT CONFIGURATION		1C	2C	3C
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC/250 VAC		6A & 10A	6A & 10A	6A & 10A
MAX.PEAK INRUSH CURRENT (20ms)		30A & 60A	30A & 60A	30A & 60A
CONTACT MATERIAL		Silver alloy		
INDUCTIVE LOAD		1/2 HP at 277 VAC (6A Relay)		
		1 HP at 277 VAC (10A Relay)		
INITIAL CONTACT RESISTANCE		0.050 Ω		
COIL NOMINAL VOLTAGES	AC Coil	12-240 VAC @50Hz/ 60Hz*		
	DC Coil	12-220 VDC		
PICKUP VOLTAGE		80% maximum		
RELEASE VOLTAGE		10% minimum		
OPERATING POWER (MIN - MAX)	DC Coil	0.89W - 1.15 W		
	AC Coil	1.10VA - 1.25VA		
MAXIMUM SWITCHING VOLTAGE		24 VDC / 250 VAC		
MAX SWITCHING CAPACITY (POWER RATING)		1250VA FOR 6A		
		2500VA FOR 10A		
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	1000 V_{RMS}		
	BETWEEN COIL & CONTACT	2500 V_{RMS}		
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 50% RH		100 MΩ		
OPERATE TIME (MAX)		20 ms		
RELEASE TIME (MAX)		10 ms		
AMBIENT TEMPERATURE		-40˚C To +70˚C		
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5		
MECHANICAL LIFE (NO OF OPERATIONS)		2×10^6		
SHOCK RESISTANCE		Destruction : 1000m/s Operative Extremes 150m/s^2		
VIBRATION RESISTANCE		Destruction : 10-55Hz Complitude : 0.5mm		
PROTECTION DEGREE		IP 40 / RT 1		
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		25.0 x 30.5 x 49.0		
MAX WEIGHT IN GRAMS (APPROX.)		42 gms		
OPTIONAL FEATURE		Diode		
STANDARDS		IEC 61810-1 ,CE		

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Miniature Industrial Relay
- Long Life & High Reliability
- Dust Protected

NOTE:- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2) All Specification / Dimensions subject to Tolerance.
3) Contact form 1 A and 1 B available on request .
4) Any Techno commercial changes is / are prerogative of Manufacturer / Management of the company which can be done without any notice.

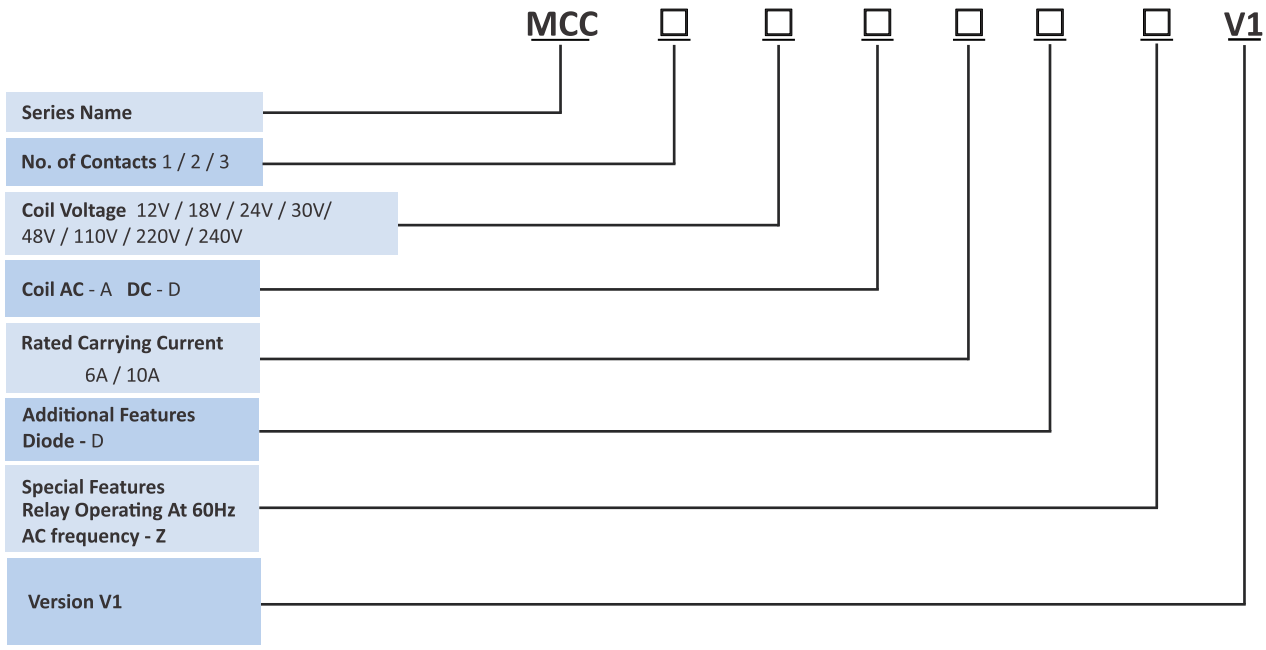
APPLICATIONS

- Industrial Controls
- Office Automation
- PLC's
- Timers

COIL – DATA (ALL VALUES AT 27°C ± 2°AMBIENT)

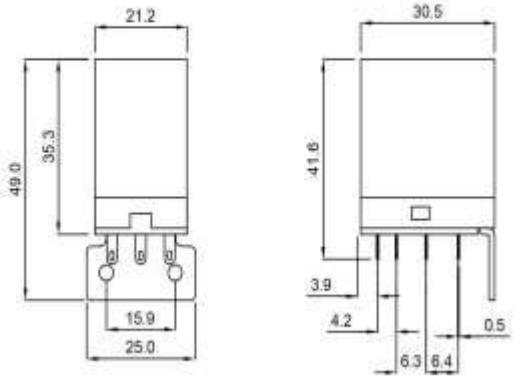
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10%		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
12	160	-	9.6	1.2	0.90	-
18	350	-	14.4	1.8	0.93	-
24	650	180	19.2	2.4	0.89	1.28
30	1.0k	-	24	3.0	0.90	-
48	2.6k	735	38.4	4.8	0.89	1.25
110	11k	4.4k	88	11.0	1.10	1.10
220	54k	-	200	22.0	0.97	-
240	-	19k	192	24.0	-	1.21

ORDERING CODE FOR RELAY

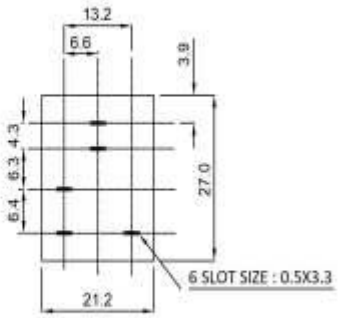


DIMENSIONS

OVERALL DIMENSIONS **TYPE : MCC V1** **BASE WIRE CONFIGURATION**

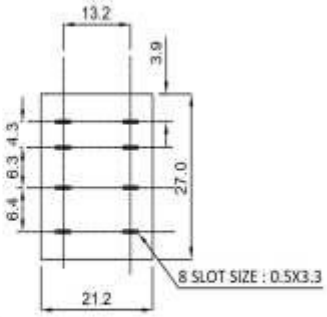


NC	–	2 –
NO	–	5 –
COM	7	– –
COIL	10	11



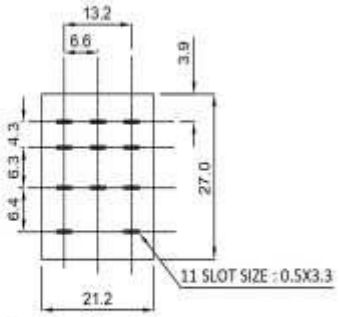
1C
PCB LAYOUT

NC	1		4
NO	5		8
COM	9		12
COIL	13		14



2C
PCB LAYOUT

NC	1	2	3	
NO	4	5	6	
COM	7	8	9	
COIL	10			11



3C
PCB LAYOUT

ALL DIMENSIONS ARE IN MM

MCC SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		MCC	
TERMINAL TYPE		Solder	
CONTACT CONFIGURATION		1C / 2C / 3C	
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		5A	10A
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	6-220 V	
	AC	12-240V @ 50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		0.72 - 1.21 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		2.02 - 2.43 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25˚C To +55˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^7	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		29.0 x 43(+15.5) x 34.5	
MAX WEIGHT IN GRAMS (APPROX.)		53 gms	
STANDARDS		IEC 61810-1 JSS-50711 & JSS50101	

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Elegant / Sturdy and Light Weight
- High Reliability

APPLICATIONS

- Machine Tools
- Textile Machines
- Bio-medical Instruments &Appliances
- Control Panels
- Industrial & Consumer electronics
- Instrumentatio
- Temperature Controllers
- Electrical Equipments & Appliances
- Stabilizers
- Automation & Remote Control Systems

NOTE:- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019

2) All Specification / Dimensions subject to Tolerance.

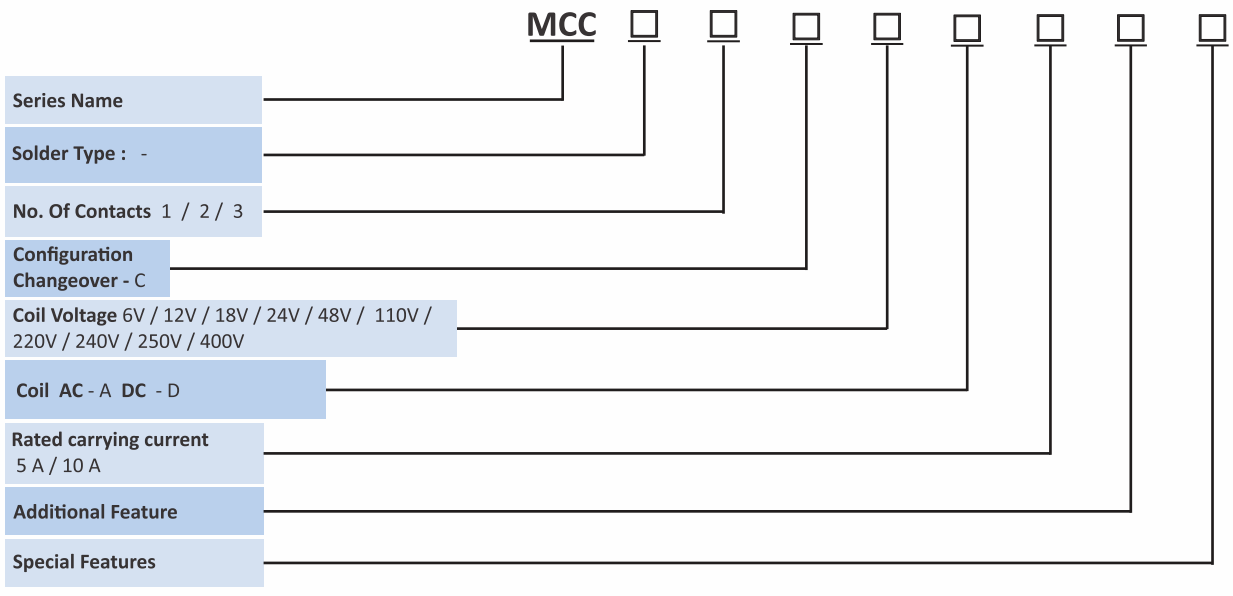
3) Contact form 1 A and 1 B available on request .

4) Any Techno commercial changes is / are prerogative of Manufacturer / Management of the company which can be done without any notice.

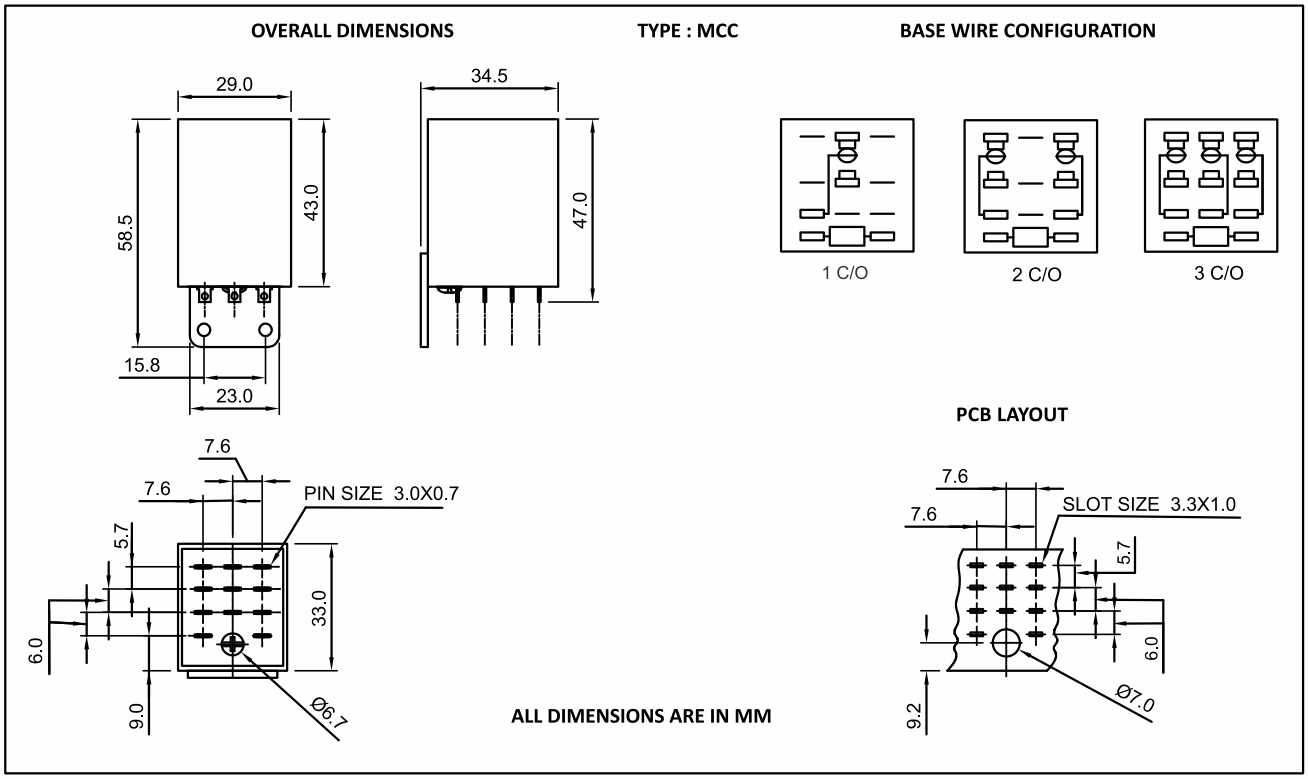
COIL – DATA (5A / 10A- MCC) (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)		RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
		DC RELAY	AC RELAY			DC (W)	AC (VA)
6		30	7	4.8	0.6	1.2	2.06
12	1C	200	-	9.6	1.2	0.72	-
	2C	200	30	9.6	1.2	0.72	1.92
	3C	150	-	9.6	1.2	0.96	-
18		390	-	14.4	1.8	0.83	-
24		500	110	19.2	2.4	1.15	2.09
48		2.25k	440	38.4	4.8	1.02	2.09
110		10k	2.4k	88	11	1.21	2.02
220		50k	-	176	22	1.21	-
240		-	9.5k	192	24	-	2.43
250		54k	-	200	25	1.25	-
400		-	27k	320	40	-	2.37

ORDERING CODE FOR RELAY



DIMENSIONS



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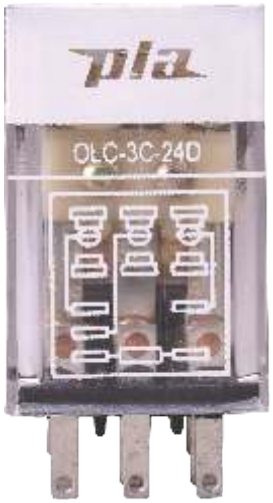
2) The tolerance without indicating for PCB layout is always ±0.2mm

MCC - O / OLC SERIES RELAYS

MCC - O (Formerly Known as OLC series.)

TECHNICAL SPECIFICATIONS

TYPE		MCC - O / OLC	
TERMINAL TYPE		Solder	
CONTACT CONFIGURATION		2A / 2C	3C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		10Amp	10Amp
HEAVY DUTY RELAY RATED CARRYING CURRENT AT 220 VDC		10Amp	-
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	6-220 V	
	AC	6-240 V @50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		0.72 - 1.21 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		2.02 - 2.43 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ	
OPERATE TIME (MAX)		20 ms	
RELEASE TIME (MAX)		10 ms	
AMBIENT TEMPERATURE		-25˚C To +55˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		28.0 x 42(+10.0) x 32.5 (+6.5)	
MAX WEIGHT IN GRAMS (APPROX.)		48 gms	
STANDARDS		IEC 61810-1 JSS-50711 & JSS50101	



(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Elegant / Sturdy and Light Weight
- High Reliability

APPLICATIONS

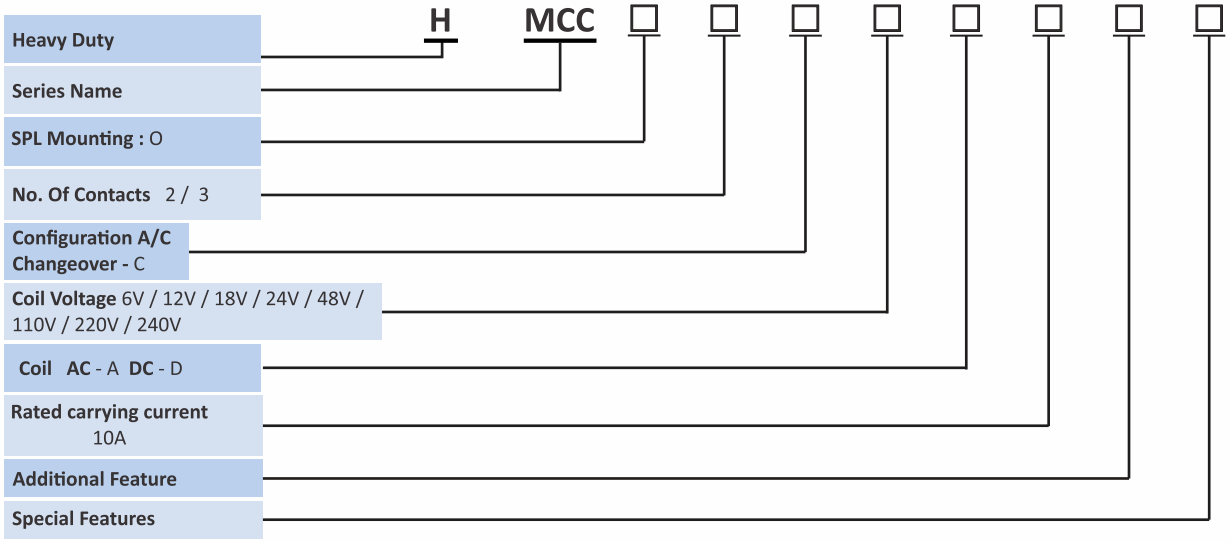
• Machine Tools	• Textile Machines	• Bio-medical Instruments &Appliances
• Control Panels	• Industrial & Consumer electronics	• Instrumentation
• Temperature Controllers	• Electrical Equipments & Appliances	• Stabilizers
• Automation & Remote Control Systems	• Battery Charging Units	

NOTE :- 1)MCC-O 2C/3C (10A) is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2) Recommended socket :- **MCC-OS DR 8/11**
3) MCC-O 10A With tranparent cover is formerly known as OLC available in 2C / 3C.
4) *Relay with **Arc suppressor (HMCC-0)** Available in **10A** / **16A** @220VDC with 2 Changeover **(2C)** contact
5) Any techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice

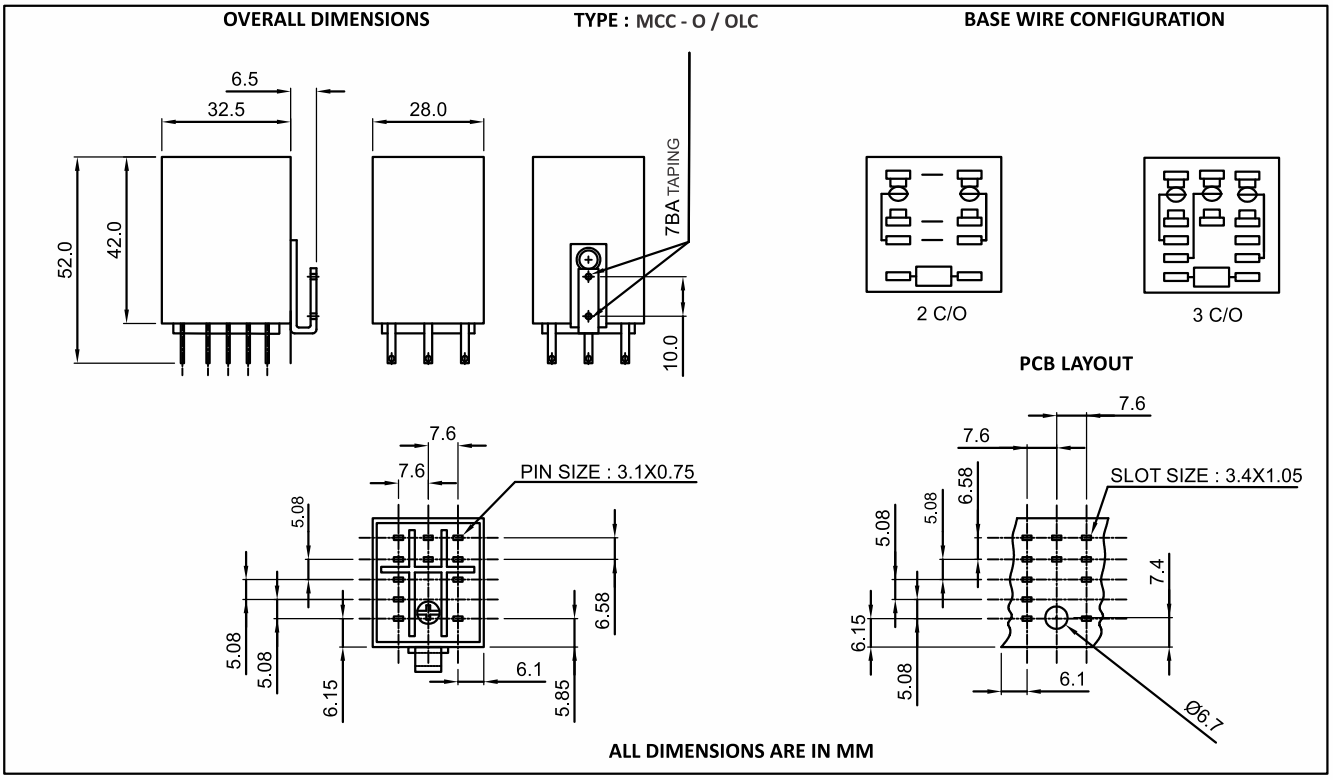
COIL – DATA (10 A - MCC - O) (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)		RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL	
		DC RELAY	AC RELAY			DC (W)	AC (VA)
6		30	7	4.8	0.6	1.2	2.06
12	1C & 2C	200	30	9.6	1.2	0.72	1.92
	3C	150	-	9.6	1.2	0.96	-
18		390	-	14.4	1.8	0.83	-
24		500	110	19.2	2.4	1.15	2.09
48		2.25k	440	38.4	4.8	1.02	2.09
110		10k	2.4k	88	11	1.21	2.02
240		-	9.5k	192	24	-	2.43

ORDERING CODE FOR RELAY



DIMENSIONS



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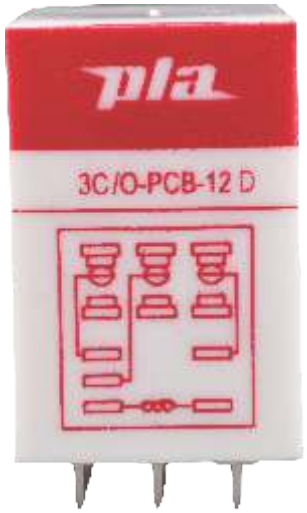
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

MCC - P / PCB SERIES RELAYS

MCC - P (Formerly Known as PCB Series.)

TECHNICAL SPECIFICATIONS

TYPE		MCC - P / PCB
TERMINAL TYPE		PCB
CONTACT CONFIGURATION		2C / 3C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		10A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	6-220 V
	AC	6-240 V @50Hz
OPERATING POWER (MIN-MAX) FOR DC COIL		0.72 - 1.21 W
OPERATING POWER (MIN-MAX) FOR AC COIL		2.02 - 2.43 VA
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 V_{RMS}
	COIL TO CONTACT	2000 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		500 MΩ
OPERATE TIME (MAX)		20 ms
RELEASE TIME (MAX)		10 ms
AMBIENT TEMPERATURE		-25˚C To +55˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		27.6 x 35.0 x 42(+6.0)
MAX WEIGHT IN GRAMS (APPROX.)		48 gms
STANDARDS		IEC 61810-1 JSS-50711 & JSS50101



(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Elegant / Sturdy and Light Weight
- High Reliability

APPLICATIONS

• Machine Tools	• Textile Machines	• Bio-medical Instruments &Appliances
• Control Panels	• Industrial & Consumer electronics	• Instrumentation• Temperature Controllers
• Electrical Equipments & Appliances	• Stabilizers	• Automation & Remote Control Systems

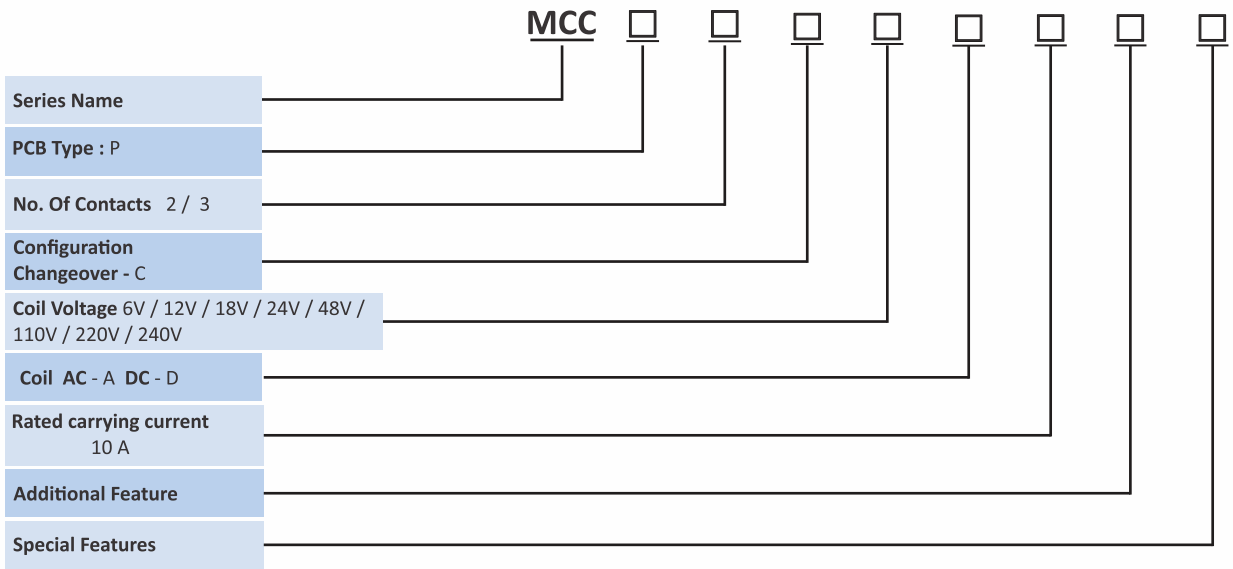
NOTE:-

1) All Specification / Dimensions subject to Tolerance.
2) MCC - P Formerly Known As PCB.
3) Any Techno commercial changes is / are prerogative of Manufacturer / Management of the company which can be done without any notice.

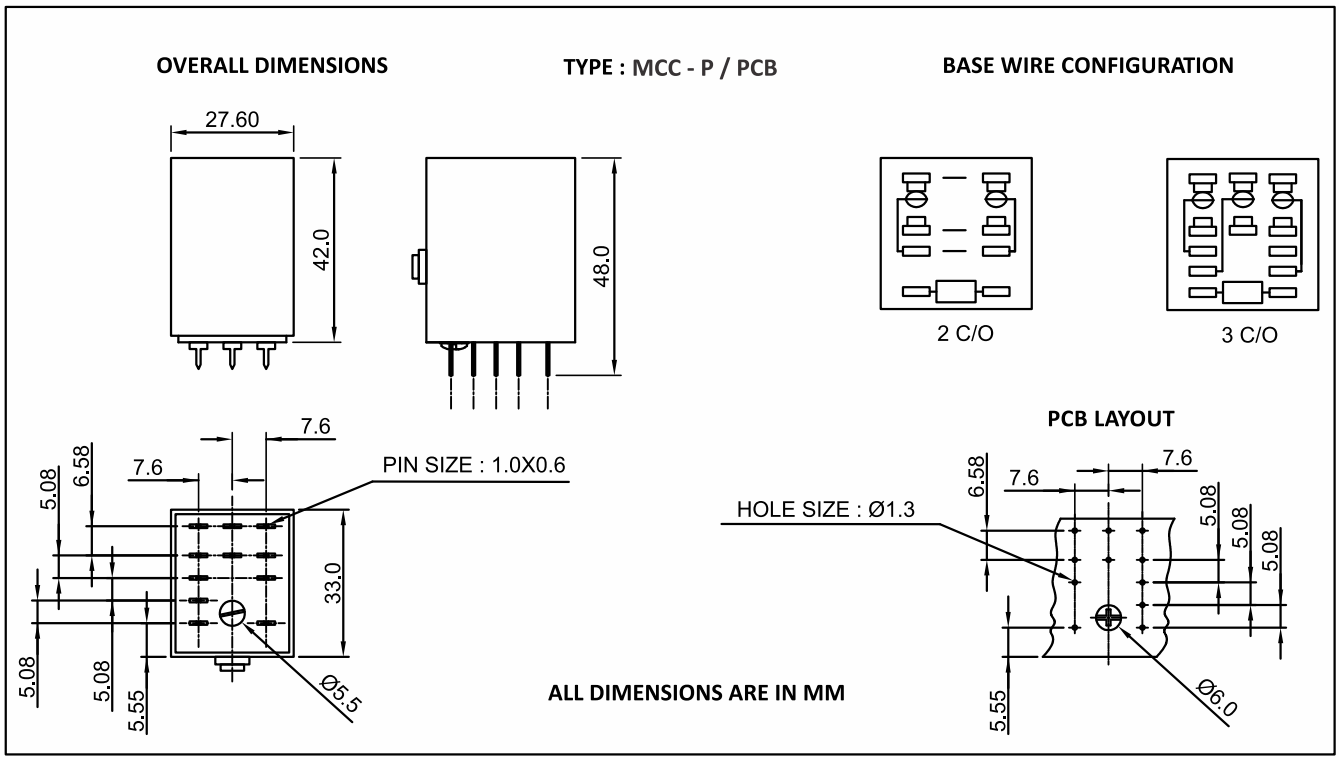
COIL – DATA (10A - MCC - P) (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)		RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR DC COIL	
		DC RELAY	AC RELAY			DC (W)	AC (VA)
6		30	7	4.8	0.6	1.2	2.06
12	1C	200	-	9.6	1.2	0.72	-
	2C	200	-	9.6	1.2	0.72	-
	3C	150	-	9.6	1.2	0.96	-
18		390	-	14.4	1.8	0.83	-
24		500	110	19.2	2.4	1.15	2.09
48		2.25k	440	38.4	4.8	1.02	2.09
110		10k	2.4k	88	11	1.21	2.02
220		50k	-	176	22	1.21	-
240		-	9.5k	192	24	-	2.43

ORDERING CODE FOR RELAY



DIMENSIONS



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2) The tolerance without indicating for PCB layout is always ±0.2mm

HCC SERIES RELAYS

HCC are available in HCC 12A & 16A

TECHNICAL SPECIFICATIONS

TYPE		HCC	
TERMINAL TYPE		Solder	
CONTACT CONFIGURATION		1C / 2C / 3C	
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		12A	16A
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	6 - 220 V	
	AC	6 - 240 V @ 50Hz	
OPERATING POWER (MIN-MAX) FOR DC COIL		1.2 - 1.21 W	
OPERATING POWER (MIN-MAX) FOR AC COIL		2.42 - 3.60 VA	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1800 V_{RMS}	
	COIL TO CONTACT	2000 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ	
OPERATE TIME (MAX)		25 ms	
RELEASE TIME (MAX)		15 ms	
AMBIENT TEMPERATURE		-40˚C To +70˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		37.2 x 53.4(+9.1) x 38.5	
MAX WEIGHT IN GRAMS (APPROX.)		126 gms	
OPTIONAL FEATURE		Diode	
STANDARDS		IEC 61810-1	

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

SALIENT FEATURES

- Versatile Relays Satisfying low to
- Medium Power Sources
- High Reliability
- Elegant/ Sturdy and Light Weight

APPLICATIONS

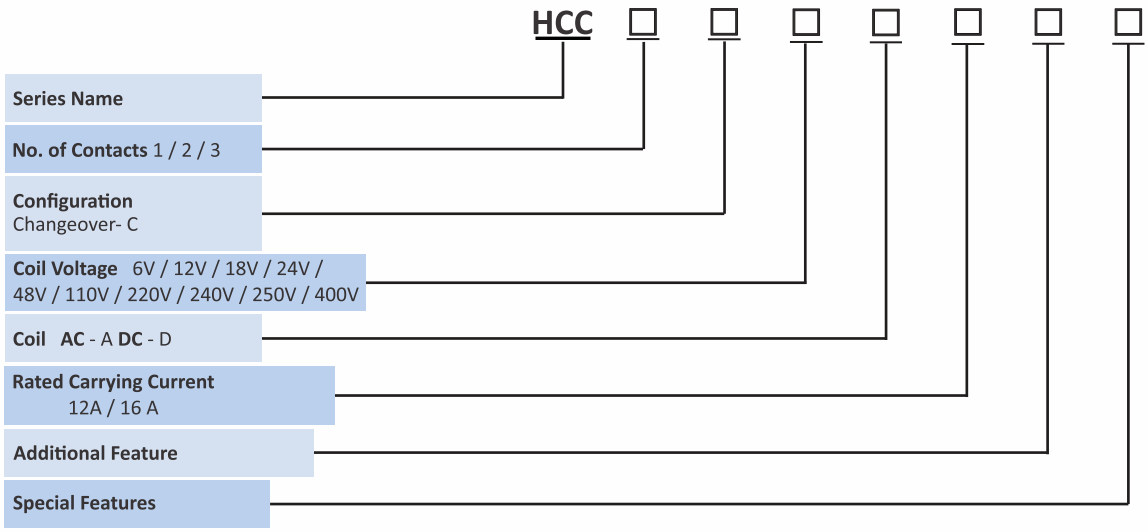
• Voltage Stabilizer	• Uninterrupted Power Supply	• Process Control System
• Control Panels	• Inverters	• Industrial Controls

NOTE:- 1)This product is type tested by TUV Nord as per IEC 61810-1:2015-A1:2019
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.
4) HCC Relay of 16 Amp was formerly known as MPR.

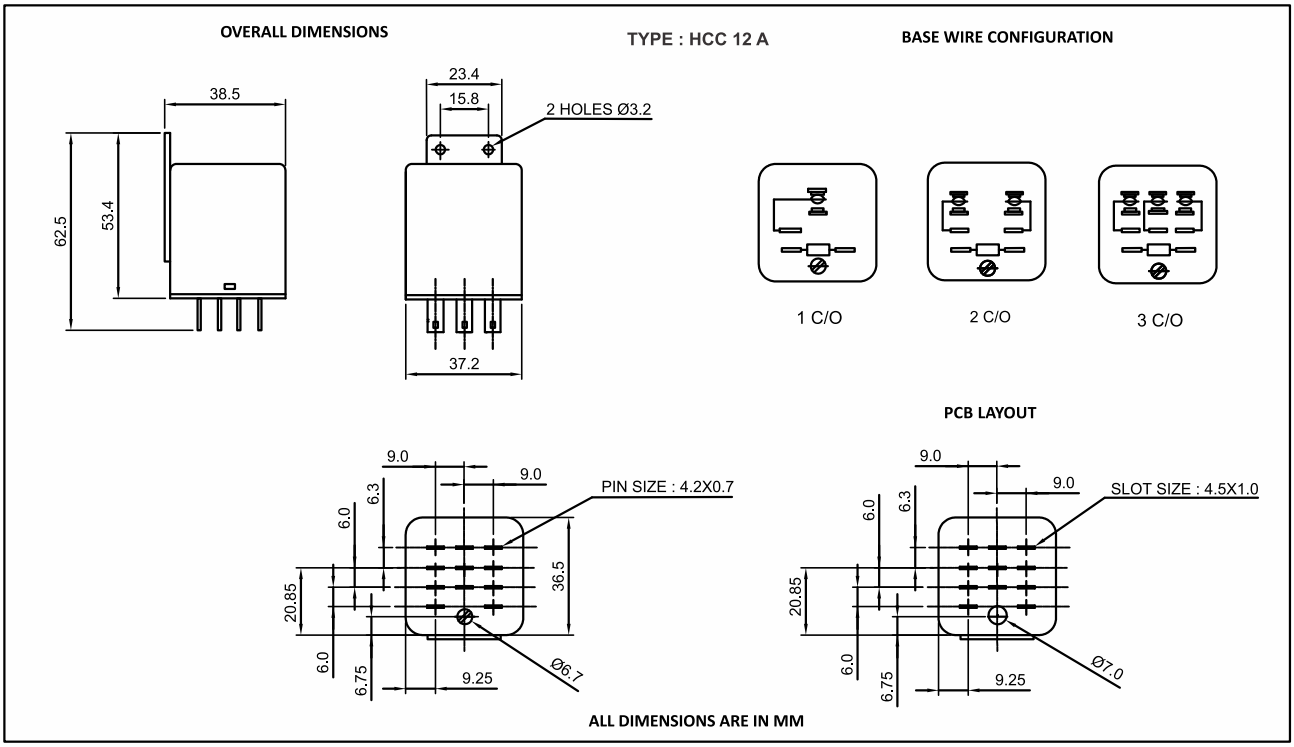
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

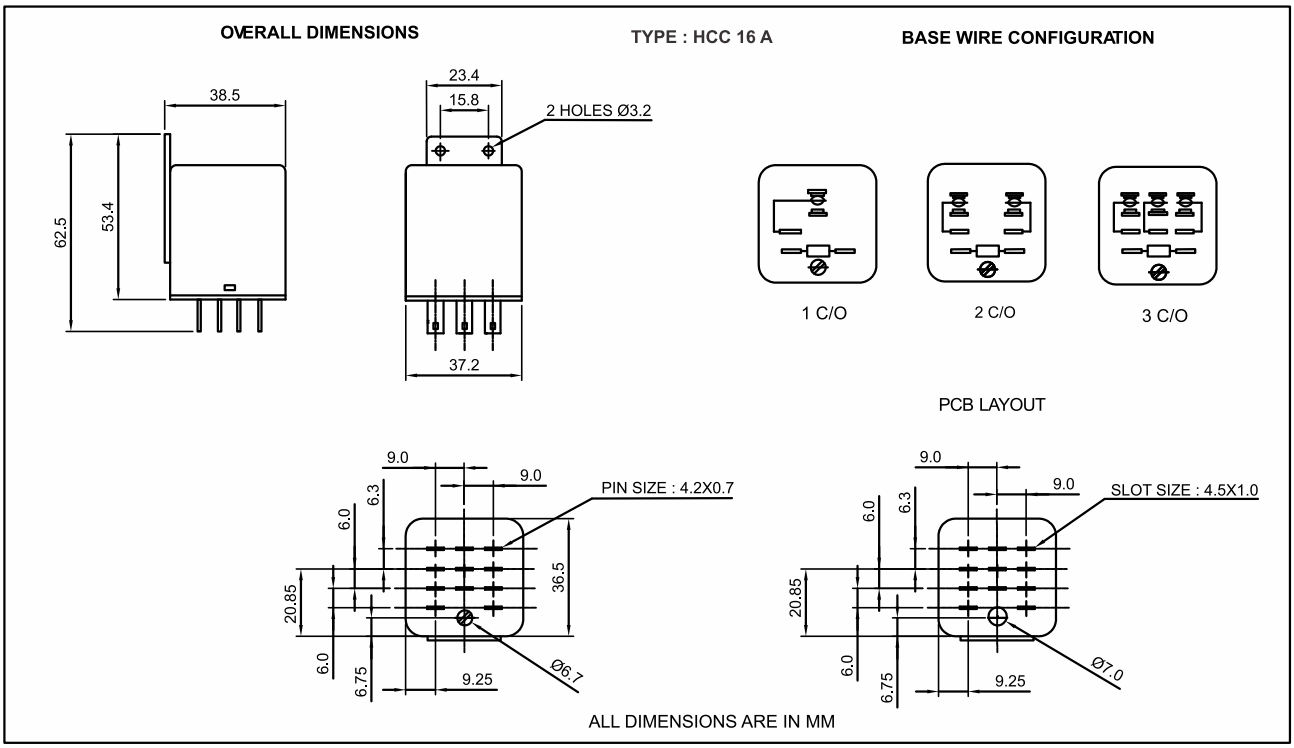
NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR DC COIL	
	DC RELAY	AC RELAY			DC (W)	AC (VA)
6	30	4	4.8	0.6	1.2	3.60
12	120	16	9.6	1.2	1.2	3.60
18	270	-	14.4	1.8	1.2	-
24	480	110	19.2	2.4	1.2	3.29
48	1.9k	-	38.4	4.8	1.21	-
110	10k	2.4k	88	11	1.21	2.42
220	40k	-	176	22	1.21	-
240	-	9.5k	192	24	-	2.43
250	50k	-	200	25	1.25	-
400	-	27k	320	40	-	2.37

ORDERING CODE FOR RELAY



DIMENSIONS





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04

Millions Of Relays In Use....

PCB MOUNT RELAYS

- Air Condition Equipments • Domestic Appliances • Automobile
- Battery Chargers • Inverters • Controllers
- Stabilizers • Heaters

PLE SERIES RELAYS

PCB Mount T Type Relays

TECHNICAL SPECIFICATIONS

TYPE		PLE	
TERMINAL TYPE		PCB	
CONTACT CONFIGURATION		1 N/O & 1 C	
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		40A	NO : 40A NC : 30A
CONTACT MATERIAL		Silver alloy	
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω	
COIL NOMINAL VOLTAGES	DC	12 - 24 V	
	AC	-	
OPERATING POWER FOR DC COIL		0.9 W	
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	1500 V_{RMS}	
	COIL TO CONTACT	2500 V_{RMS}	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ	
OPERATE TIME (MAX)		10 ms	
RELEASE TIME (MAX)		8 ms	
AMBIENT TEMPERATURE		-40˚C To + 85˚C	
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5	
MECHANICAL LIFE (NO OF OPERATIONS)		10^6	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		27.5 x 32 x 20(+5)	
MAX WEIGHT IN GRAMS (APPROX.)		22 gms	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Miniature
- PCB Mountable
- High Reliability

APPLICATIONS

• Automobiles	• Battery Chargers	• Air Condition Equipments
• Domestic Appliances	• Inverters	• Controllers
• Stabilizers	• Heaters	

NOTE:-

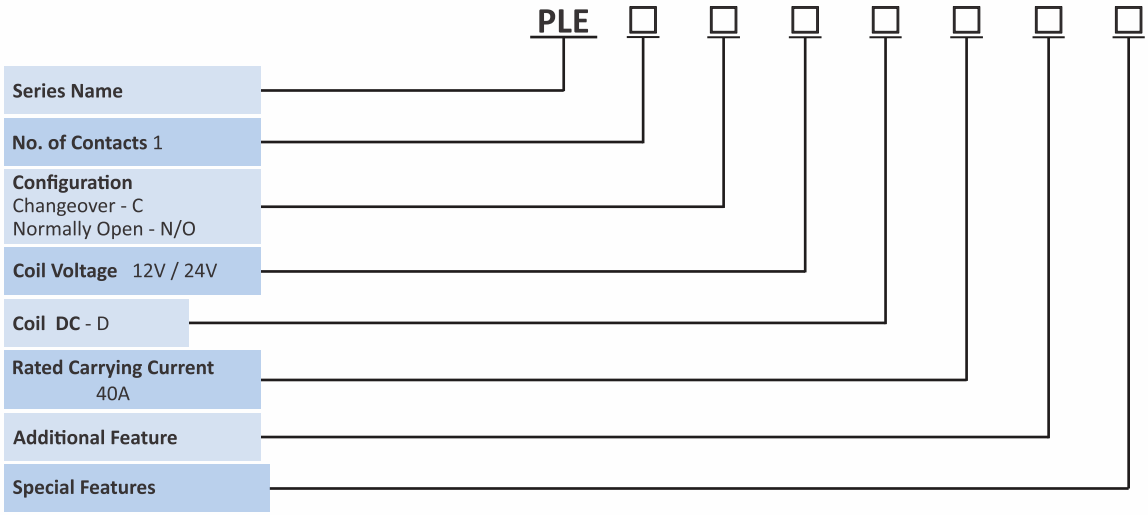
1) All Specification / Dimensions subject to Tolerance.

2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

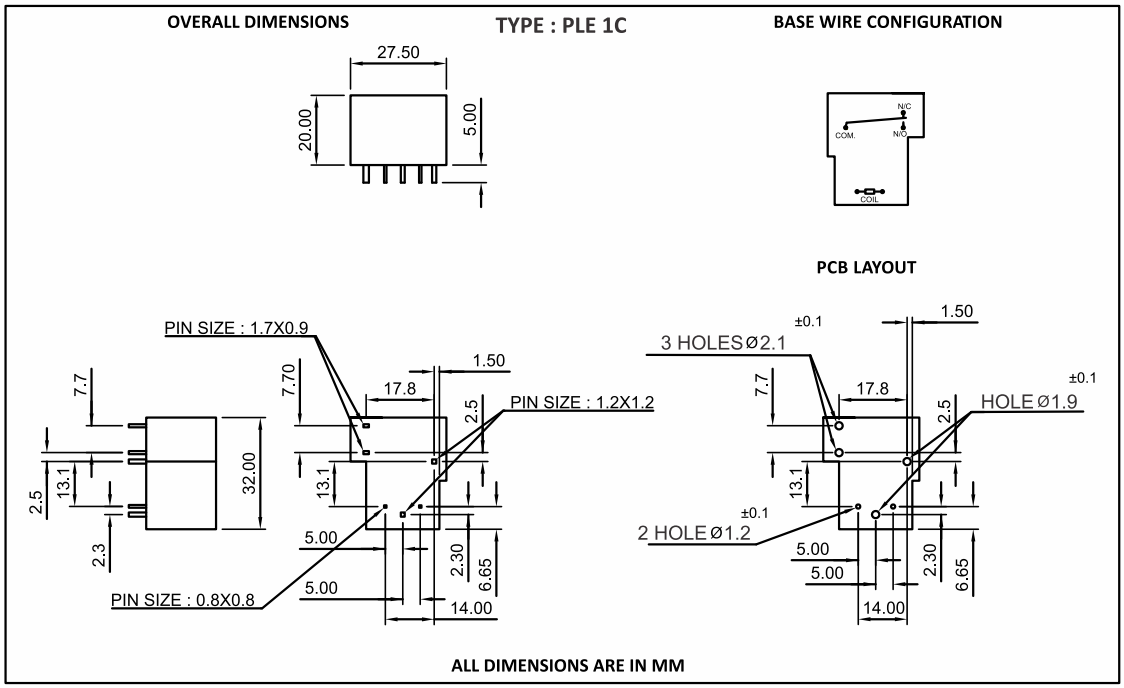
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL DC COIL (W)
12 V	160	9	1.2	0.9
24 V	660	18	2.4	0.9

ORDERING CODE FOR RELAY



DIMENSIONS



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SCR SERIES RELAYS

Sugar Cube Relays

TECHNICAL SPECIFICATIONS

TYPE		SCR
TERMINAL TYPE		PCB
CONTACT CONFIGURATION		1C
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC		7A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.100 Ω
COIL NOMINAL VOLTAGES	DC	12 - 24 V
	AC	-
OPERATING POWER FOR DC COIL		0.36 W
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	750 V_{RMS}
	COIL TO CONTACT	1500 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 25˚C & 65% RH		100 MΩ
OPERATE TIME (MAX)		10 ms
RELEASE TIME (MAX)		5 ms
AMBIENT TEMPERATURE		-20˚C To + 70˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		19 x 15.4 x 15(+4)
MAX WEIGHT IN GRAMS (APPROX.)		10 gms

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Subminiature
- PCB Mountable
- High Reliability

APPLICATIONS

- UPS
- Stabilizers
- Temperature Controllers
- Pressure Controllers
- PC add ON Cards
- Instrumentation

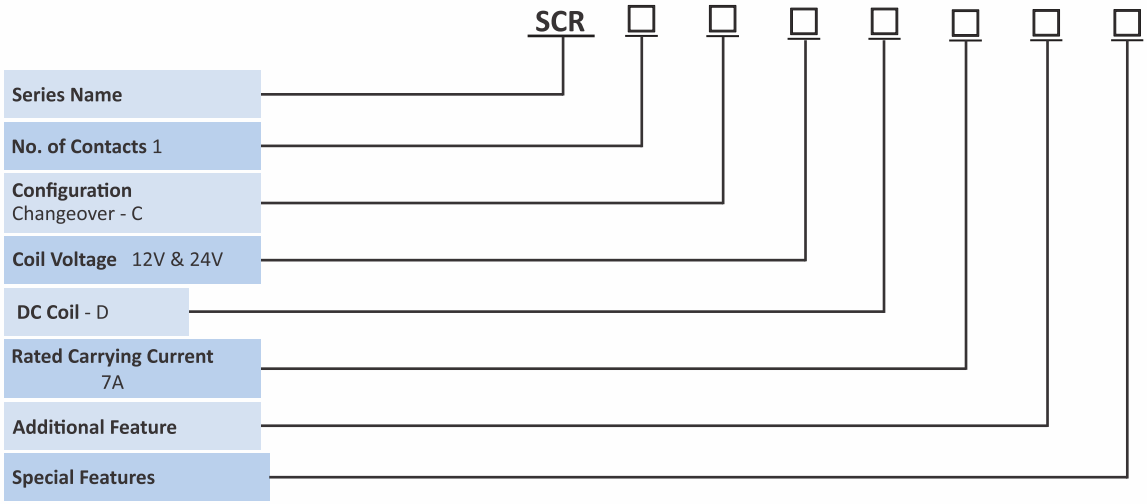
NOTE:-

1) All Specification / Dimensions subject to Tolerance.
2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

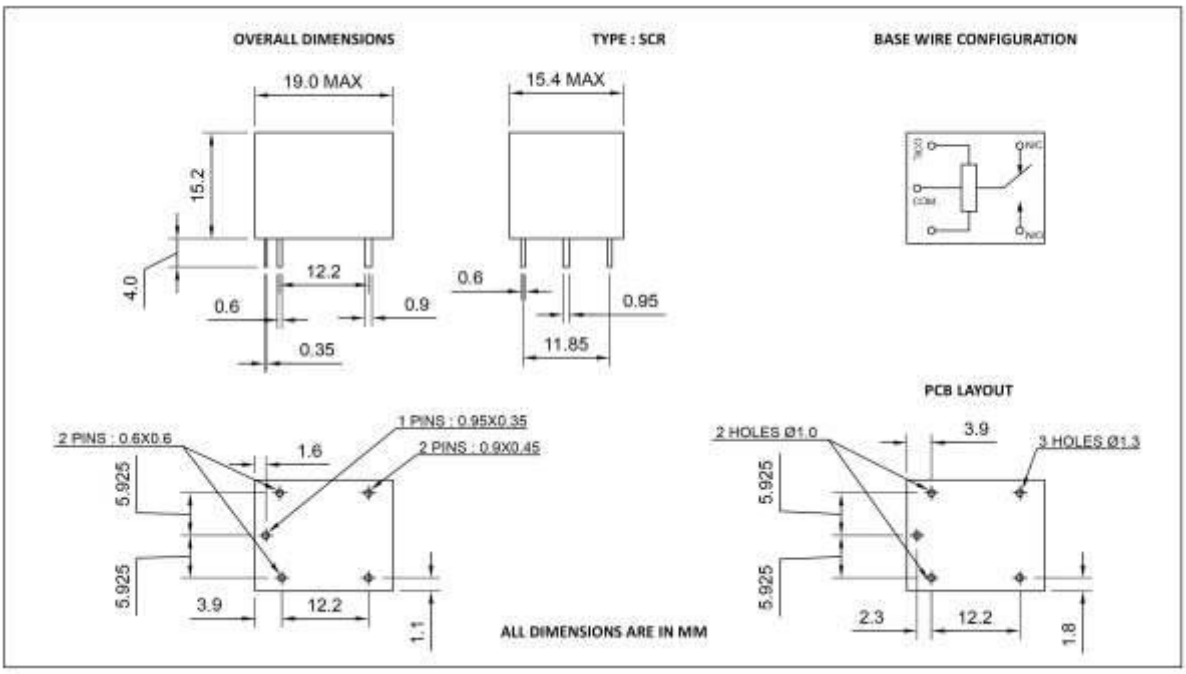
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL DC COIL (W)
12 V	400	9	1.2	0.36
24 V	1.6k	18	2.4	0.36

ORDERING CODE FOR RELAY



DIMENSIONS



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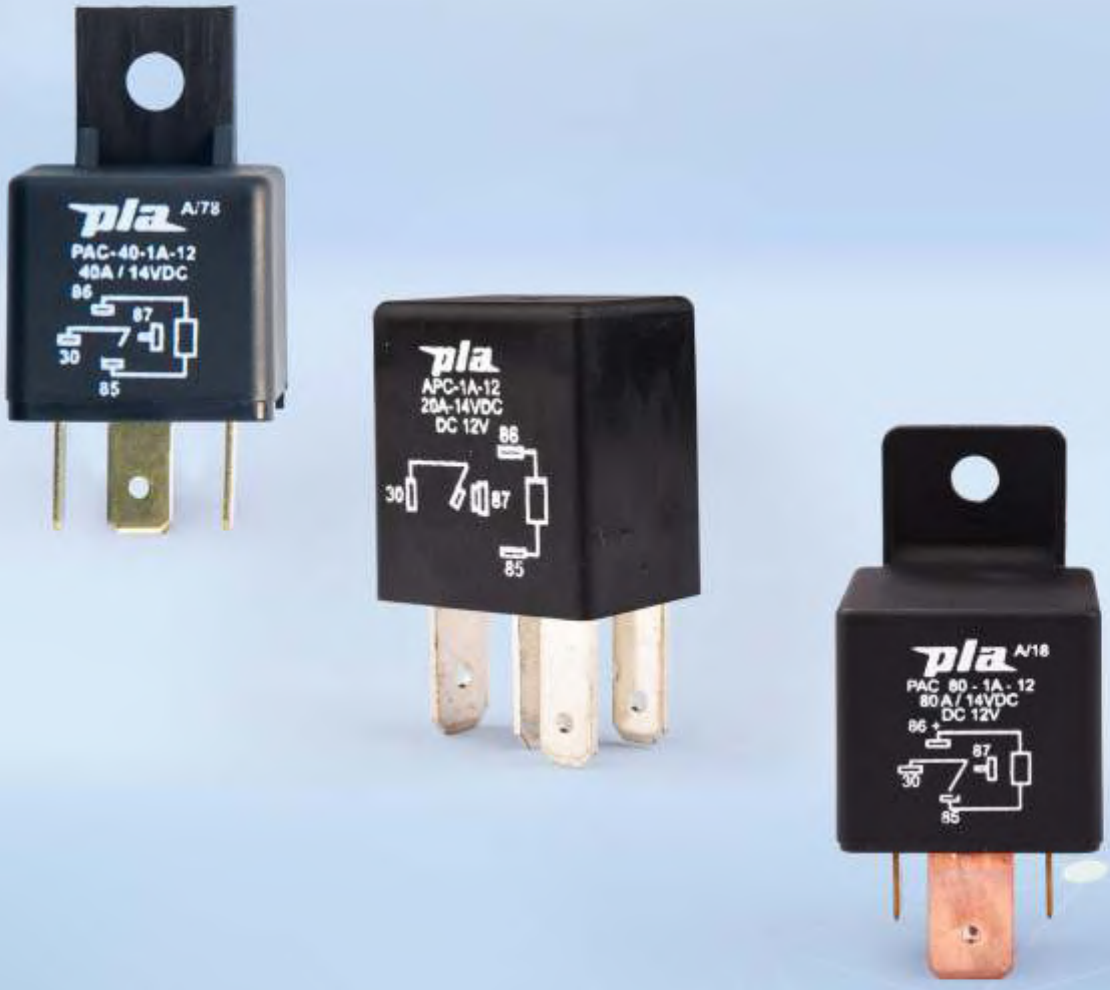
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

05

Millions Of Relays In Use....

AUTOMOTIVE RELAYS

- Head Lamp Control • Starter Motors • Defogger
- Radiator Fan • A/C Controls • DG Set Cranking



APC SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		APC
TERMINAL TYPE		Plug In
CONTACT CONFIGURATION		1 N/O
RATED CARRYING CURRENT (RESISTIVE) AT 12 VDC LAMP LOAD		20A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	6 - 24 V
	AC	-
OPERATING POWER (MIN-MAX) FOR DC COIL		1.31-1.38 W
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	500 V_{RMS}
	COIL TO CONTACT	500 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ
OPERATE TIME (MAX)		10 ms
RELEASE TIME (MAX)		7 ms
AMBIENT TEMPERATURE		-40˚C To + 85˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5 Lamp Load
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		20.3 x 15.3 x 22.4(+11.4)
MAX WEIGHT IN GRAMS (APPROX.)		15 gms
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Max. Switching Current 20 A
- High Performance
- 4.8 & 6.3 mm Flat Terminals

APPLICATIONS

• Head Lamp Control	• Starter Motors	• Defogger
• Radiator Fan	• A/C Controls	

NOTE:-

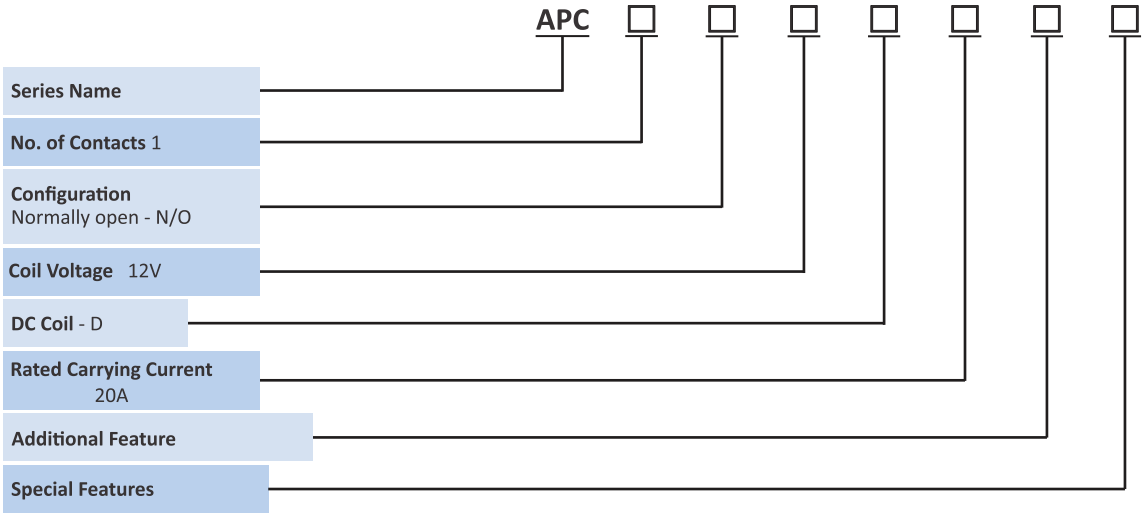
1) All Specification / Dimensions subject to Tolerance.

2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

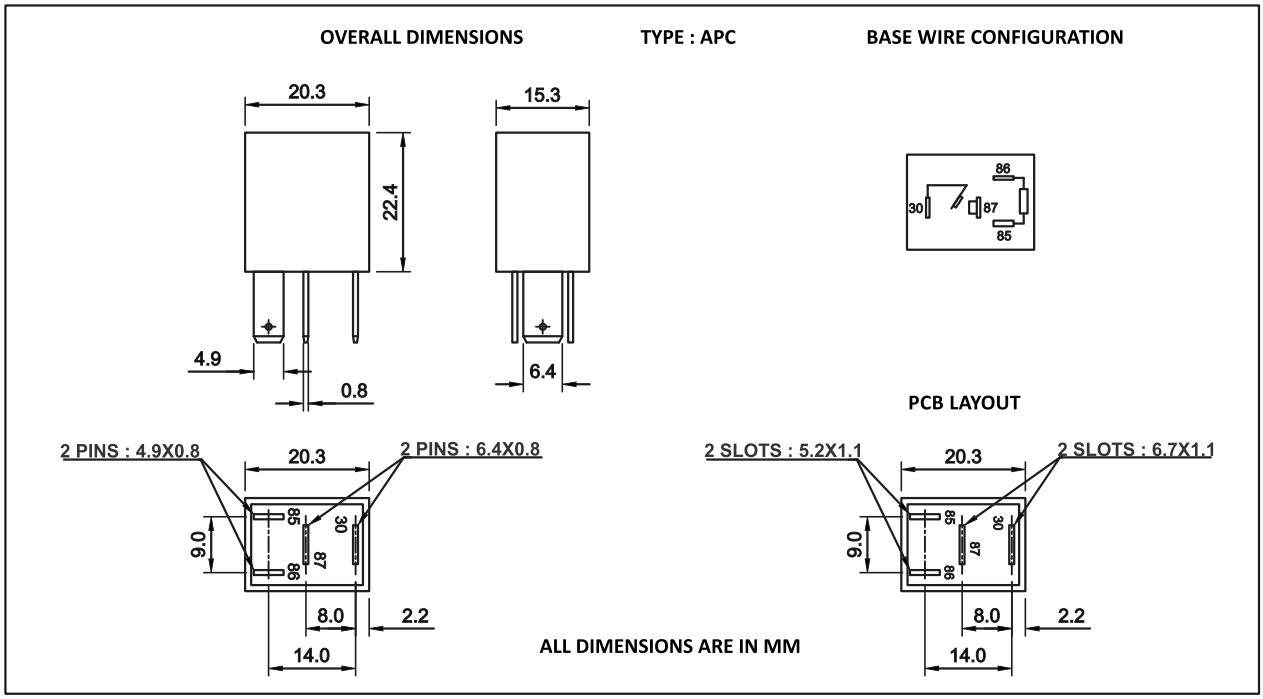
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V) (DC)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE	MUST RELEASE VOLTAGE	OPERATING POWER FOR COIL DC COIL (W)
12 V	110	8.2	1.2	1.31

ORDERING CODE FOR RELAY



DIMENSIONS



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Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PAC 40 SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		PAC
TERMINAL TYPE		Solder / Lugs
CONTACT CONFIGURATION		1 N/O
RATED CARRYING CURRENT (RESISTIVE) AT 14 VDC		40A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12 - 24 V
	AC	-
OPERATING POWER MIN-MAX)FOR DC COIL		1.6 W
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	500 V_{RMS}
	COIL TO CONTACT	750 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		100 MΩ
OPERATE TIME (MAX)		9 ms
RELEASE TIME (MAX)		5 ms
AMBIENT TEMPERATURE		-40˚C To + 85˚C
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		26.3 x 26.3 x 39.7(+11.5)
MAX WEIGHT IN GRAMS (APPROX.)		31 gms
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

SALIENT FEATURES

- High Performance
- Contact Load Capacity up to 40A
- High Reliability
- 6.2 mm Flat Terminals

APPLICATIONS

- Suitable for Automobile
- AMF Diesel Gen Set Control Panels
- Battery Chargers
- Security Systems
- Motors Starters

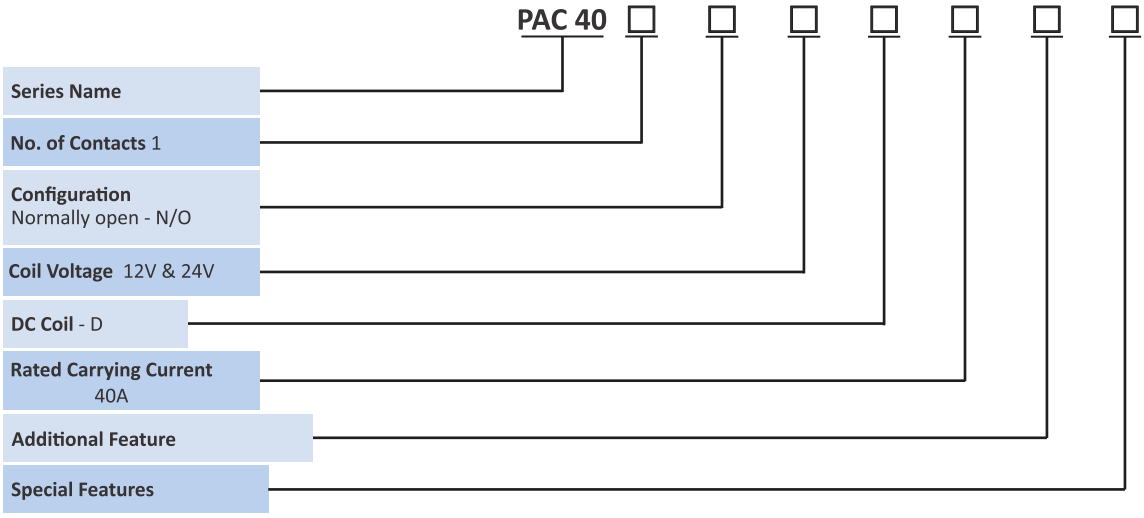
NOTE:-

1) All Specification / Dimensions subject to Tolerance.
2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

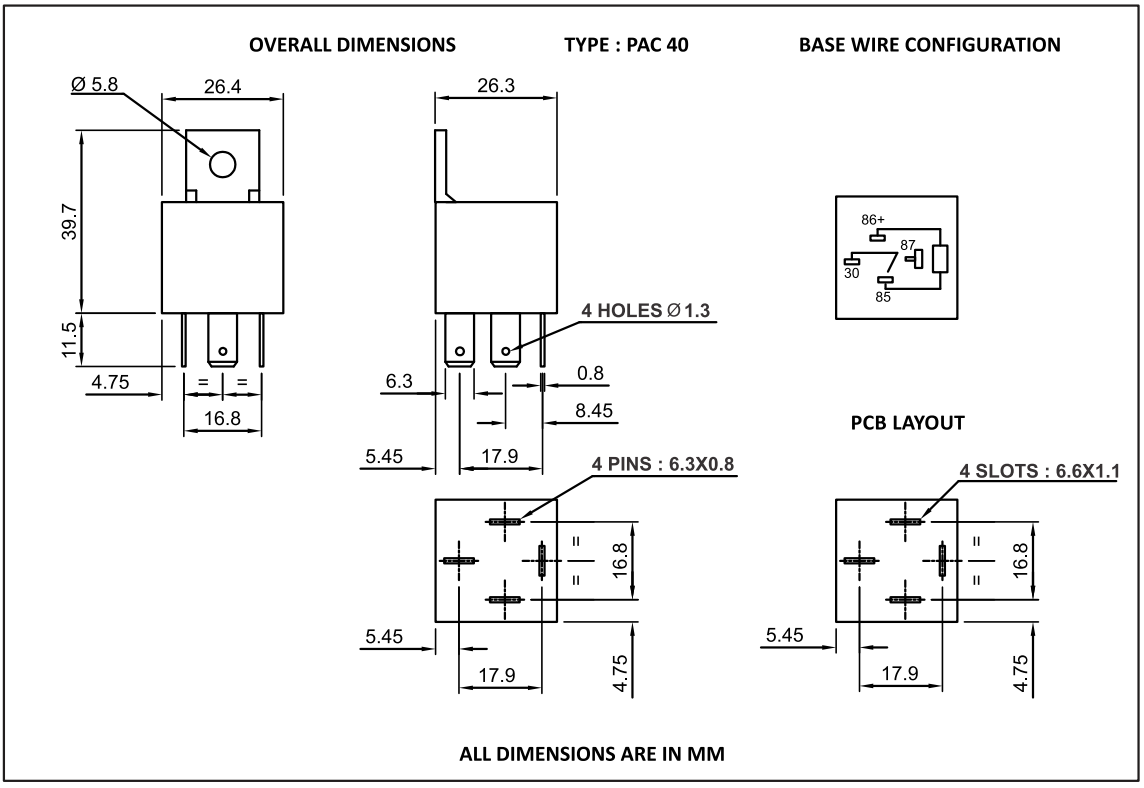
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V) (DC)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL DC COIL (W)
12 V	90	9	1.2	1.6
24 V	360	18	2.4	1.6

ORDERING CODE FOR RELAY



DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PAC 80 SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		PAC
TERMINAL TYPE		Solder / Lugs
CONTACT CONFIGURATION		1 N/O
RATED CARRYING CURRENT (RESISTIVE) AT 14 VDC		80A
CONTACT MATERIAL		Silver alloy
INITIAL CONTACT RESISTANCE (MAX)		0.050 Ω
COIL NOMINAL VOLTAGES	DC	12 - 24 V
	AC	-
OPERATING POWER MIN-MAX)FOR DC COIL		1.8W
DIELECTRIC STRENGTH BETWEEN	OPEN CONTACT	500 V_{RMS}
	COIL TO CONTACT	750 V_{RMS}
INSULATION RESISTANCE AT 500 VDC AT 27℃ & 65% RH		100 MΩ
OPERATE TIME (MAX)		9 ms
RELEASE TIME (MAX)		5 ms
WITH DIODE RELEASE TIME (MAX)		15 ms
AMBIENT TEMPERATURE		-40℃ To + 85℃
ELECTRICAL LIFE (NO OF OPERATIONS)		10^5
MECHANICAL LIFE (NO OF OPERATIONS)		10^6
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		32 x 29 x 42.7(+15)
MAX WEIGHT IN GRAMS (APPROX.)		48 gms
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Miniature
- Contact Load Capacity up to 80A
- High Reliability

APPLICATIONS

• Suitable for Automobile	• AMF Diesel Gen Set Control Panels	• Battery Chargers
• Security Systems	• Motors Starters	• A/C Controls

NOTE:-

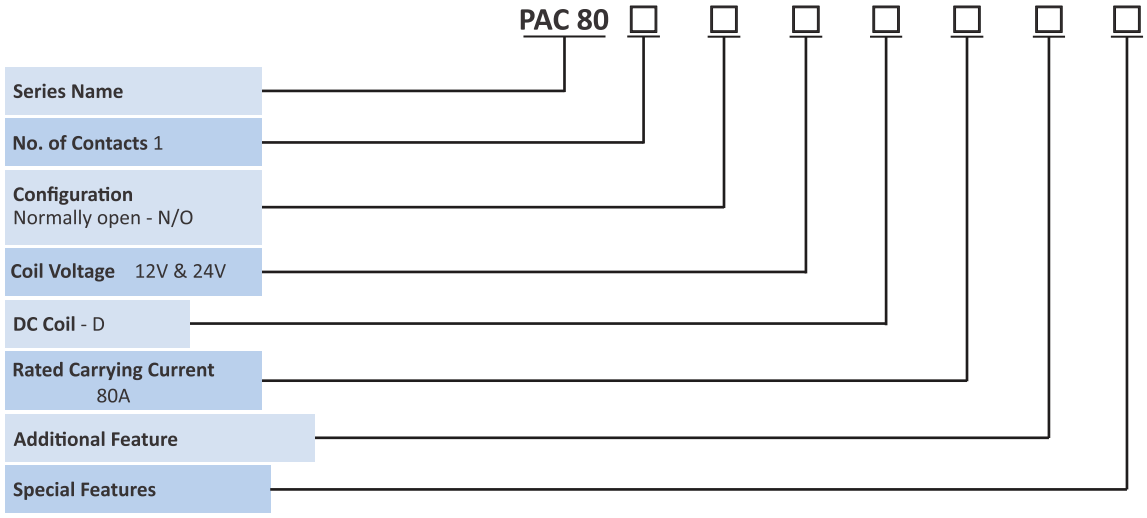
1) All Specification / Dimensions subject to Tolerance.

2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

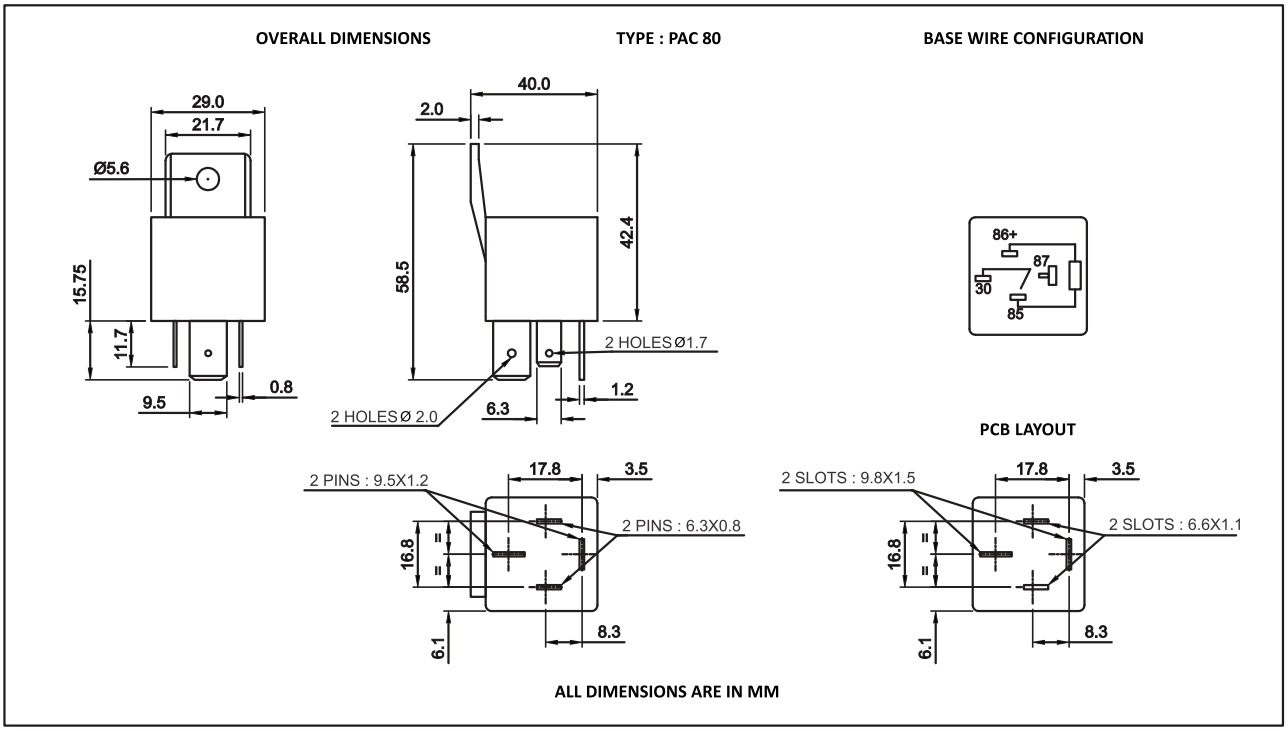
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (V) (DC)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE (V)	MUST RELEASE VOLTAGE (V)	OPERATING POWER FOR COIL DC COIL (W)
12 V	80	9	1.2	1.8
24 V	360	18	2.4	1.8

ORDERING CODE FOR RELAY



DIMENSIONS



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Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

06

REED RELAYS

Millions Of Relays In Use....

- Automatic Door Sensors
- Computers • Communications • Telemetry
- Circuit Isolation • RF Switching • Scanners
- Encoders & Decoders • Ventilators

DIP N/O SERIES REED RELAYS

TECHNICAL SPECIFICATIONS

TYPE		DIP N/O	
TERMINAL TYPE		PCB	
CONTACT CONFIGURATION		1 N/O	2 N/O
RATED CARRYING CURRENT (RESISTIVE) AT MAX 200 VDC & 10W		0.5A	
INITIAL CONTACT RESISTANCE (MAX)		0.150 Ω	
COIL NOMINAL VOLTAGES	DC	5 - 48 V	
	AC	-	
OPERATING POWER MIN-MAX)FOR DC COIL		0.31 - 0.52 W	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	250 VDC	
	COIL TO CONTACT	500 VDC	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ	
OPERATE TIME (MAX)		1 ms	
RELEASE TIME (MAX)		0.5 ms	
AMBIENT TEMPERATURE		-40˚C To + 85˚C	
LIFE EXPECTANCY		10^7 Operations at Optimum Load	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		10.5 x 20 x 7.5	10.5 x 20 x 11.5
MAX WEIGHT IN GRAMS (APPROX.)		5 gms	
TYPICAL CAPACITANCE		0.2 PF Across Contact 3.5 PF Contact to Coil	
REED BREAK - DOWN VOLTAGE		250 VDC	
VIBRATION		20g, 10-2000 Hz	
SHOCK		50g, 11 ms	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Excellent Isolation
- Epoxy Encapsulation
- DIL Socket / PCB Mounting

APPLICATIONS

• Memory	• Logic	• Programming
• Computers	• Communications	• Telemetry
• Circuit Isolation	• RF Switching	• Scanners
• Encoders & Decoders		

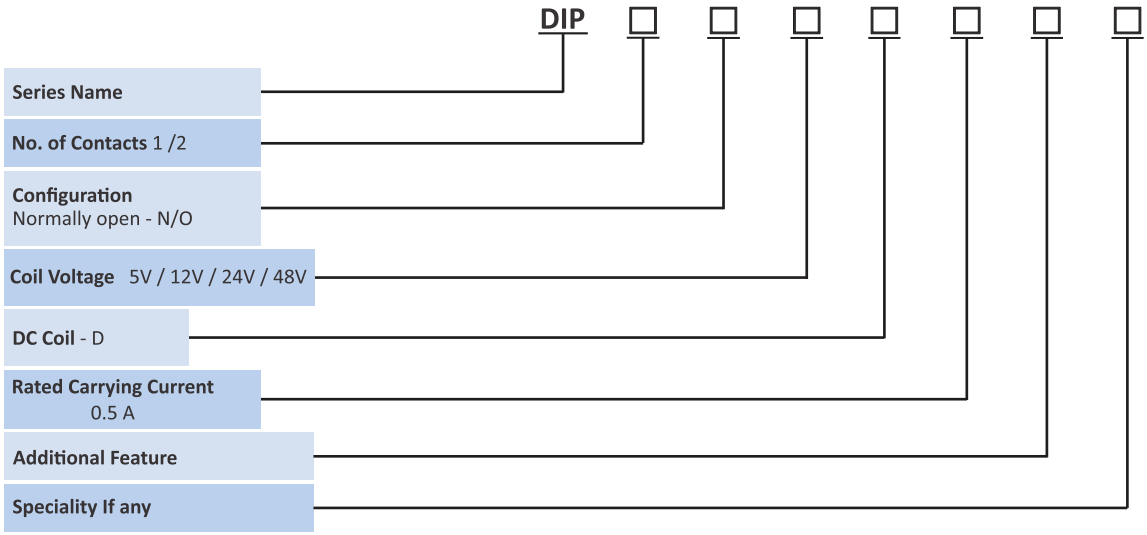
NOTE:-

1) All Specification / Dimensions subject to Tolerance.
2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

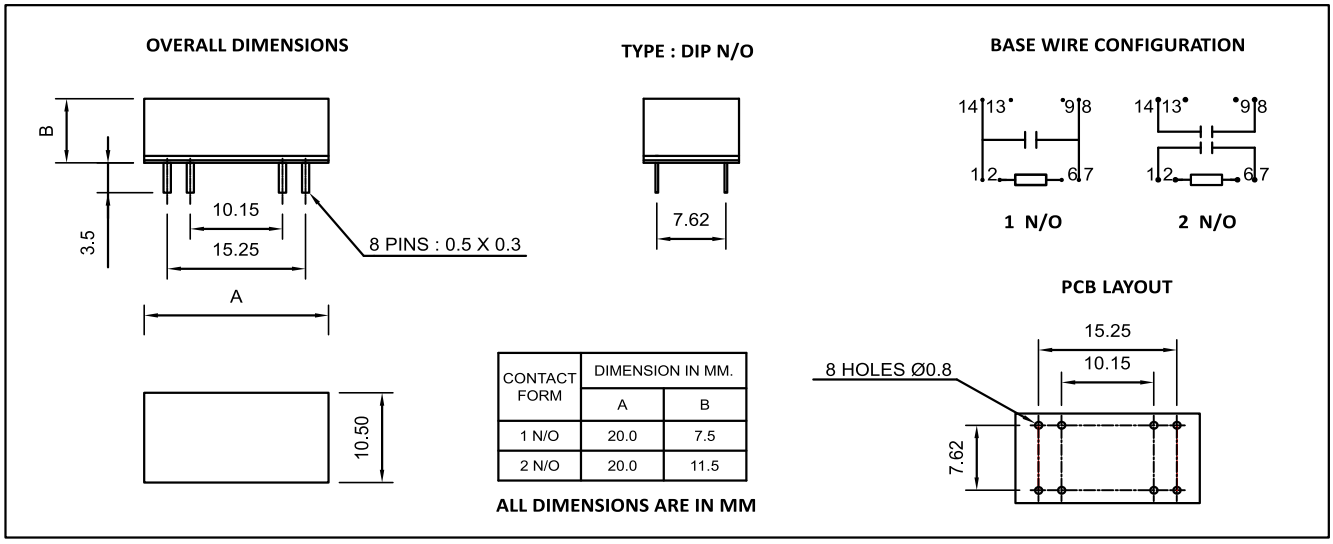
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (DC)	RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE	MUST RELEASE VOLTAGE	OPERATING POWER FOR DC COIL (W)	
	1 N/O	2 N/O			1 N/O	2 N/O
5 V	200	100	4	0.5	0.13	0.25
12 V	500	275	9	1.2	0.29	0.52
24 V	2.1k	1.1k	18	2.4	0.27	0.52
48 V	5k	5k	36	4.8	0.46	0.46

ORDERING CODE FOR RELAY



DIMENSIONS



CONTACT FORM	DIMENSION IN MM.	
	A	B
1 N/O	20.0	7.5
2 N/O	20.0	11.5

ALL DIMENSIONS ARE IN MM

* Relay Size For 1 N/O 48 VDC will Remain Same as 2 N/O 48 VDC .

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

DIP C/O SERIES REED RELAYS

TECHNICAL SPECIFICATIONS

TYPE		DIP C/O	
TERMINAL TYPE		PCB	
CONTACT CONFIGURATION		1 C/O	2 C/O
RATED CARRYING CURRENT (RESISTIVE) AT MAX 28 VDC & 3W		0.25A	
INITIAL CONTACT RESISTANCE (MAX)		0.200 Ω	
COIL NOMINAL VOLTAGES	DC	5 - 48 V	
	AC	-	
OPERATING POWER (MIN-MAX)FOR DC COIL		0.13 - 0.52W	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	200 VDC	
	COIL TO CONTACT	500 VDC	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & 65% RH		1000 MΩ	
OPERATE TIME INCLUDING BOUNCE (MAX)		1 ms	
RELEASE TIME INCLUDING BOUNCE (MAX)		1 ms	
AMBIENT TEMPERATURE		-40˚C To + 85˚C	
LIFE EXPECTANCY		10^7 Operations at Optimum Load Conditions.	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		10.5 x 22.2 x 7.5	10.5 x 22.2 x 11.5
MAX WEIGHT IN GRAMS (APPROX.)		5 gms	
TYPICAL CAPACITANCE		2.5 PF Across Contact 3.5 PF Contact to Coil	
REED BREAK-DOWN VOLTAGE		200 VDC	
VIBRATION		20g, 10 -1000 Hz	
SHOCK		50g, 11 ms	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Epoxy Encapsulation
- Excellent Isolation

APPLICATIONS

• Programming	• Computers	• Telemetry
• Circuit Isolation	• Communications	• RF Switching
• Scanners	• Encoders & Decoders	• Memory
• Logic		

NOTE:-

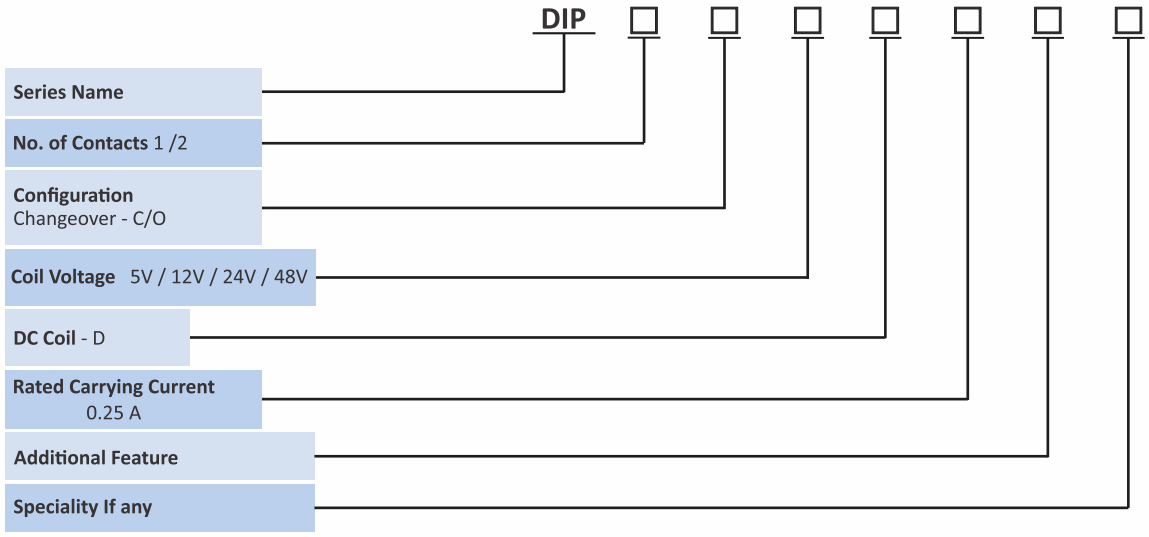
1) All Specification / Dimensions subject to Tolerance.

2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

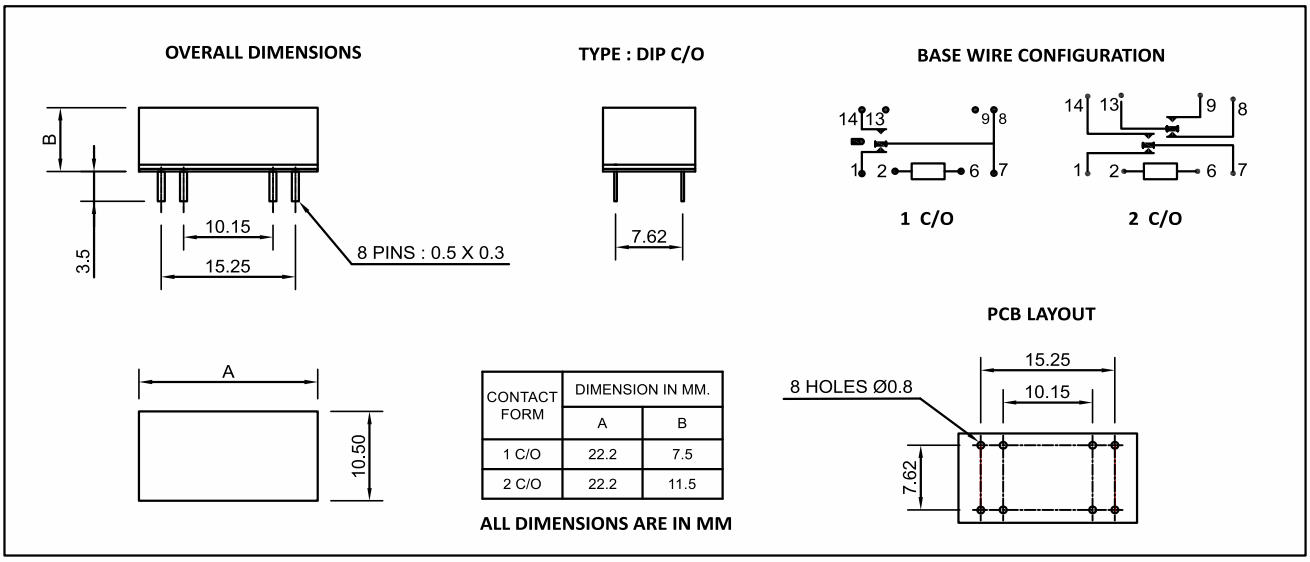
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

NOMINAL VOLTAGE (DC)	RESISTANCE IN OHM'S ± 10% Ω		MUST OPERATE VOLTAGE	MUST RELEASE VOLTAGE	OPERATING POWER FOR DC COIL (W)	
	1 C/O	2 C/O			1 C/O	2 C/O
5 V	200	100	4	0.5	0.13	0.25
12 V	500	275	9	1.2	0.29	0.52
24 V	2.1k	1.1k	18	2.4	0.27	0.52
48 V	5k	5k	36	4.8	0.46	0.46

ORDERING CODE FOR RELAY



DIMENSIONS



* Relay Size For 1 C/O 48 VDC will Remain Same as 2 C/O 48 VDC .

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

SIP SERIES REED RELAYS

TECHNICAL SPECIFICATIONS

TYPE		SIP	
TERMINAL TYPE		PCB	
CONTACT CONFIGURATION		1 N/O	
RATED CARRYING CURRENT (RESISTIVE) AT 200 VDC / 125 VAC		0.5A (Max 200 VDC & 10 W)	
INITIAL CONTACT RESISTANCE (MAX)		0.100 Ω	
COIL NOMINAL VOLTAGES	DC	5 - 12 V	
	AC	-	
OPERATING POWER (MIN-MAX)FOR DC COIL		0.05 - 0.072 W	
DIELECTRIC STRENGTH	BETWEEN OPEN CONTACT	250 VDC	
	COIL TO CONTACT	500 VDC	
INSULATION RESISTANCE		1000 MΩ	
OPERATE TIME INCLUDING BOUNCE		1 ms	
RELEASE TIME INCLUDING BOUNCE		0.5 ms	
AMBIENT TEMPERATURE		-40˚C To + 85˚C	
LIFE EXPECTANCY		10^7 Operations at Optimum Load Conditions.	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		10 x 22.4 x 10.5 (P)	8.6 x 24.3 x 9.5 (M)
MAX WEIGHT IN GRAMS (APPROX.)		5 gms	
REED BREAK - DOWN VOLTAGE		250 VDC	
VIBRATION		20g, 10-1000 Hz	
SHOCK		50g, 11 ms	

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Cost Effective
- Low Power Consumption
- High Capacity
- Single in Line Package

APPLICATIONS

• Modem's	• Programming	• Push Button Dialers
• Computers	• Communication	• Telemetry
• Circuit Isolation	• PF Switching	• Scanner
• Encodes & Decoder		

NOTE:-

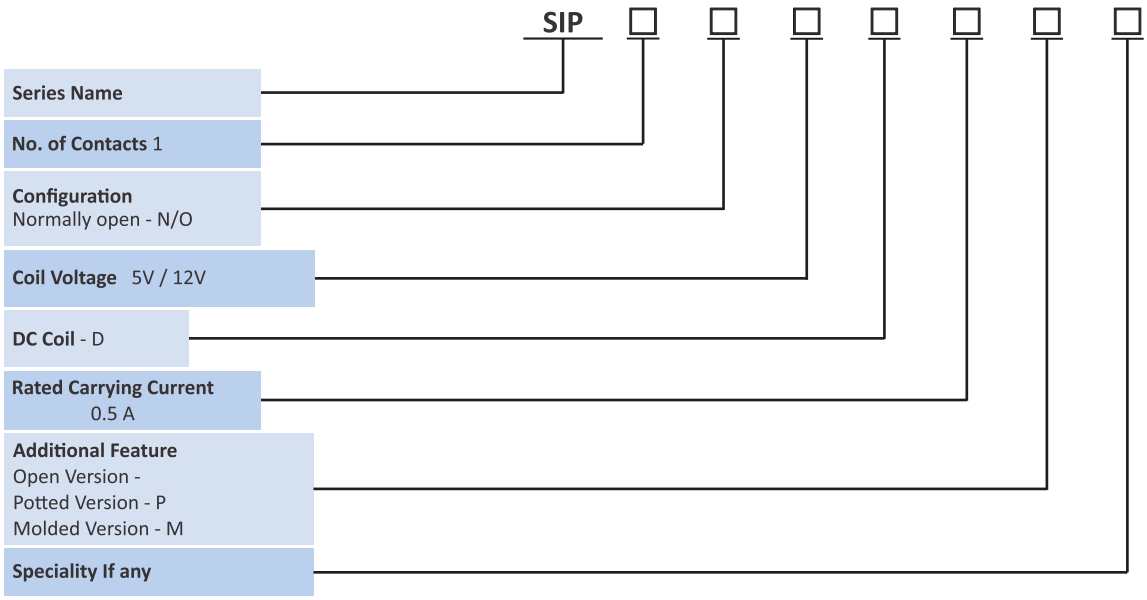
1) All Specification / Dimensions subject to Tolerance.

2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

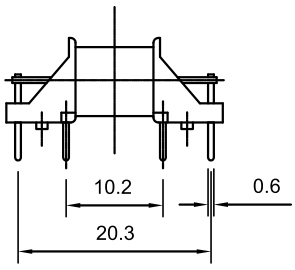
NOMINAL VOLTAGE (DC)	RESISTANCE IN OHM'S ± 10% Ω	MUST OPERATE VOLTAGE	MUST RELEASE VOLTAGE	OPERATING POWER FOR DC COIL (W)
5 V	500	4	0.5	0.05W
12 V	2k	9.6	1.2	0.072W

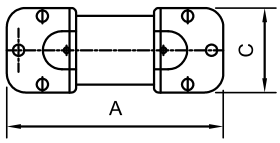
ORDERING CODE FOR RELAY



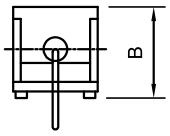
DIMENSIONS

OVERALL DIMENSIONS



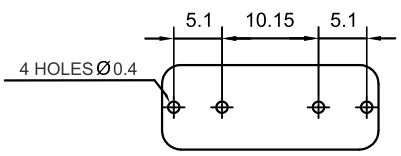


TYPE : SIP



TYPE	DIMENSION IN MM.		
	A	B	C
SIP OPEN VERSION	23.2	10	9.1
SIP POTTED VERSION	22.4	10.5	10
SIP MOULDED VERSION	24.3	9.5	8.6

PCB LAYOUT



ALL DIMENSIONS ARE IN MM

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

RA 2 / MA 2 SWITCH

Reed Proximity switch with magnetic assembly

TECHNICAL SPECIFICATIONS

TYPE	RA 2 / MA 2
TERMINAL TYPE	-
CONTACT CONFIGURATION	1 N/O
RATED CARRYING CURRENT (RESISTIVE) AT 200 VDC	0.5A (Max 200 VDC) & 10 W Max
AMBIENT TEMPERATURE	-40˚C To + 85˚C
LIFE EXPECTANCY	10^7 Operations at Optimum Load Conditions.
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	23 x 13.9 x 6
MAX WEIGHT IN GRAMS (APPROX.)	RA 2 :- 4.2 gms MA 2 :- 3.2 gms
MAX SWITCHED POWER	10 W / VA
BREAKDOWN VOLTAGE	250 VDC
MAGNET SIZE	20 mm x Ø 4.0 mm

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Excellent Isolation
- Epoxy Encapsulation

APPLICATIONS

- Machine Tools
- Photo Copiers
- Flow Sensing
- Elevators
- Conveyors
- Washing Machine
- Limit Switches

ORDERING CODE FOR RELAY

RA 2 / MA 2 N/O □

Series Name of relay

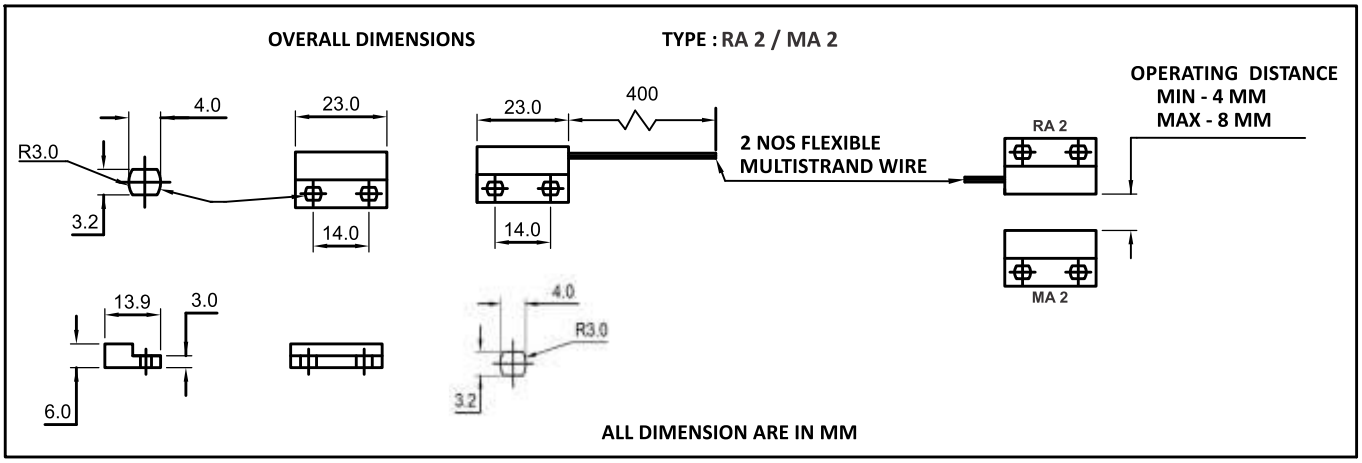
Contacts Configuration
Normally open - N/O

Rated carrying current 0.5 A

NOTE:-

1) All Specification / Dimensions subject to Tolerance.
2) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.
3) Longer wires can be made available as per specific requirements.

DIMENSIONS



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Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

RA 3 / MA 2 SWITCH

Reed Proximity switch with magnetic assembly

TECHNICAL SPECIFICATIONS

TYPE	RA 3 / MA 2
TERMINAL TYPE	-
CONTACT CONFIGURATION	1 N/C
RATED CARRYING CURRENT (RESISTIVE) AT 200 VDC	0.5A (Max 200 VDC) & 10 W each Max
AMBIENT TEMPERATURE	-40˚C To + 85˚C
LIFE EXPECTANCY	10^7 Operations at Optimum Load Conditions.
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	23 x 13.9 x 6
MAX WEIGHT IN GRAMS (APPROX.)	RA 3 :- 4.2 gms MA 2 :- 3.2 gms
MAX SWITCHED POWER	10 W / VA
MAX SWITCHED VOLTAGE	200 V
MAX SWITCHED CURRENT	0.5 V
BREAK - DOWN VOLTAGE	250 VDC
MAGNET SIZE	20 mm x Ø 4.0mm

(Photo For Representation Purpose Only)

SALIENT FEATURES

- Excellent Isolation
- Epoxy Encapsulation

APPLICATIONS

• Machine Tools	• Photo Copiers	• Flow Sensing
• Elevators	• Conveyors	• Washing Machine
• Xerox Machine	• Limit Switches etc.	

ORDERING CODE FOR RELAY

RA 3 / MA 2 N/C ☐

- **Series Name of relay**
- **Contacts Configuration** Normally Close - N/C
- **Rated carrying current** 0.5 A

NOTE:-

1) All Specification / Dimensions subject to Tolerance.
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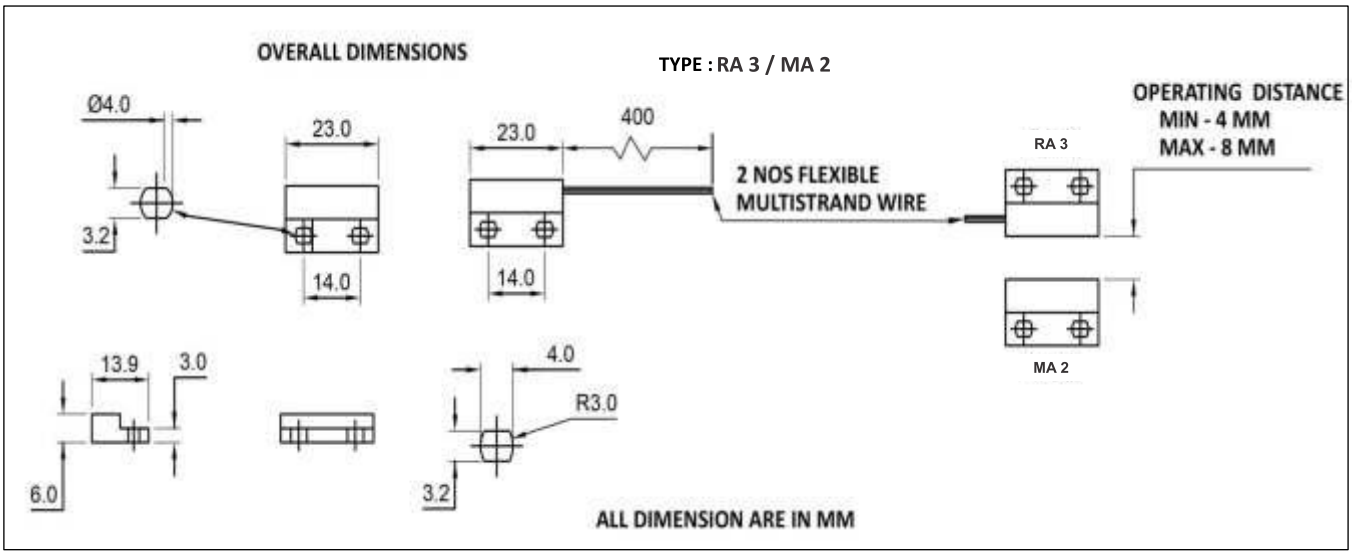
3) Longer wires can be made available as per specific requirements.

DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

07 SOCKETS

Millions Of Relays In Use....

MPCS 8 / 11

Formerly known as Socket For MPC , HMPC , LMPC & ON OFF Series Relays

TECHNICAL SPECIFICATIONS

TYPE	MPCS 8 / 11	
TERMINAL TYPE	Screw Terminal	
PINS	8 Pin	11 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 220 VDC / 250 VAC	16 A	12 A
BODY MATERIAL	High Electric Grade Bakelite	
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Brass Electroplated	
DI-ELECTRIC STRENGTH	2 kV	
MAXIMUM TIGHTENING TORQUE	0.6 Nm	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	3000MΩ	
AMBIENT TEMPERATURE	-25˚C To + 55˚C	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	40.9 X 51.7 (+4) X 21	43 X 51 (+4) X 31
MAX WEIGHT IN GRAMS (APPROX.)	38 g	54 g
MOUNTING	Din Rail & Screw	

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contactors having Front Screw Terminals
- For Plug-In Relays Rapid Stop Unit, Timers, Smoke Detectors & any other Plug-In Module / Instrument

ORDERING CODE FOR SOCKET

MPCS □□ DR □

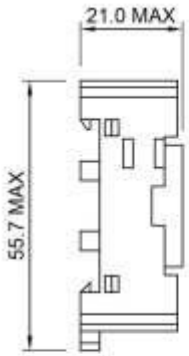
- **Series Name of Socket** MPCS
- **No. of Pins** 8 / 11
- **Mounting type** Din Rail - DR
- **Rating - 16A / 12A**

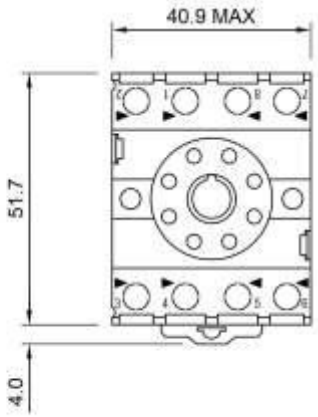
NOTE:-

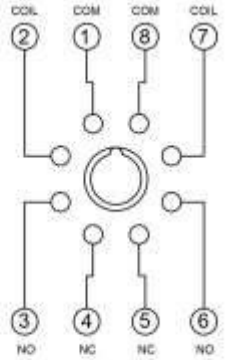
1) Recommended for MPC series relays, LMPC Relay, ON Relay & OFF Relay
2) All Specifications / Dimensions subject to Tolerance
3) MPCS 11 socket is used for LMPC relays
4) MPCS 8 socket is used for On Off relays

DIMENSIONS

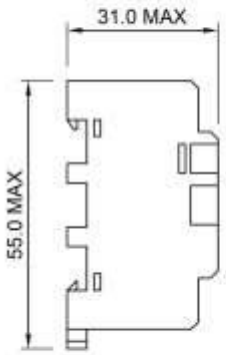
DIMENSIONS MPCS - 8 (RS8E) CONNECTION DIAGRAMS

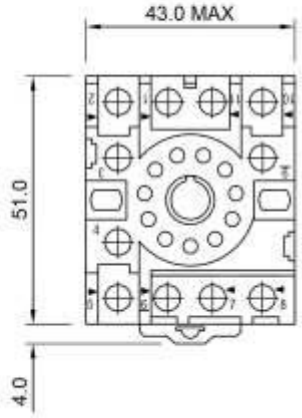


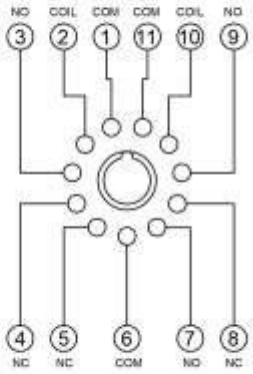




DIMENSIONS MPCS - 11 (RS11E) CONNECTION DIAGRAMS







NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PMYS DR 8/11/14 SOCKET

Formerly known as SDR PMY Din Rail Socket for PMY & PMY-F .

TECHNICAL SPECIFICATIONS

TYPE	PMYS DR 8/11/14 PIN		
TERMINAL TYPE	Din Rail		
CONTACT CONFIGURATION	8 Pin	11 Pin	14 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	10 A		
BODY MATERIAL	High Electric Grade Bakelite		
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated		
TERMINALS	Brass Electroplated		
DI-ELECTRIC STRENGTH	2500 VAC		
MAXIMUM TIGHTENING TORQUE	0.6 Nm		
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	500MΩ		
AMBIENT TEMPERATURE	-25˚C To + 55˚C		
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	22.5 X 68.0 (+2.8) X 29.7 (8 Pin)	29.0 X 71.3 (+3.4) X 31.5 (11 Pin)	29.5 X 68.0 (+2.8) X 29.7 (14 Pin)
MAX WEIGHT IN GRAMS (APPROX.)	30 gms	45.5 gms	45.5 gms
MOUNTING	Din Rail & Screw		

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals For Plug in Module & Instrument

ORDERING CODE FOR RELAY

PMYS DR □□□

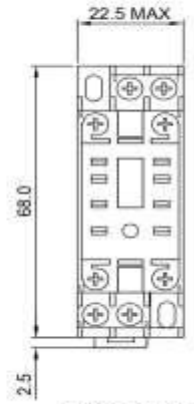
Series Name of Socket	PMYS
Mounting type	Din Rail - DR
No. Of Pin	8 /11/14

NOTE:-

1) Recommended for PMY series relays for Din Rail Mount.
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

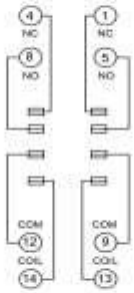
DIMENSIONS

DIMENSIONS



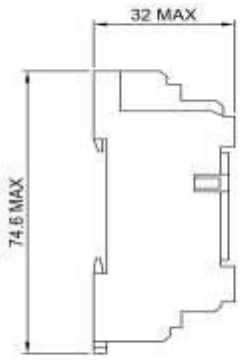
PMYS DR 8

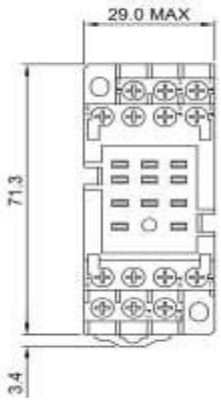
CONNECTION DIAGRAMS



PMYS DR 8

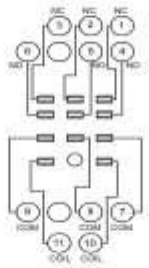
DIMENSIONS





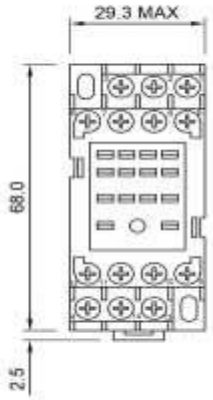
PMYS DR 11

CONNECTION DIAGRAMS



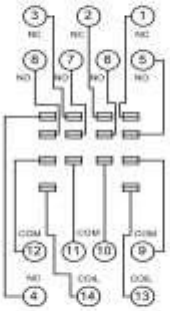
PMYS DR 11

DIMENSIONS



PMYS DR 14

CONNECTION DIAGRAMS



PMYS DR 14

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

NEW

PMYS DR 8 SOCKET

Formerly known as SDR PMY 8 Din Rail Socket

TECHNICAL SPECIFICATIONS

TYPE	PMYS DR 8 PIN
TERMINAL TYPE	Din Rail Or Panel Mountable
CONTACT CONFIGURATION	8 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	10 A
BODY MATERIAL	High Electric Grade Bakelite
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated
TERMINALS	Brass Electroplated
DI-ELECTRIC STRENGTH	2500 VAC
MAXIMUM TIGHTENING TORQUE	0.6 Nm
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	500MΩ
AMBIENT TEMPERATURE	-40 C To + 70˚C
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	25.4 X 66.7(+2.0)X 29.5
MAX WEIGHT IN GRAMS (APPROX.)	30 gms
MOUNTING	Din Rail & Screw
STANDARDS	(EN/DIN Sequential Numbering According to EN 60947 & IEC 61810)

(Photo For Representation Purpose Only)

TÜV INDIA
TÜV NORD GROUP

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals For Plug in Module & Instrument

ORDERING CODE FOR RELAY

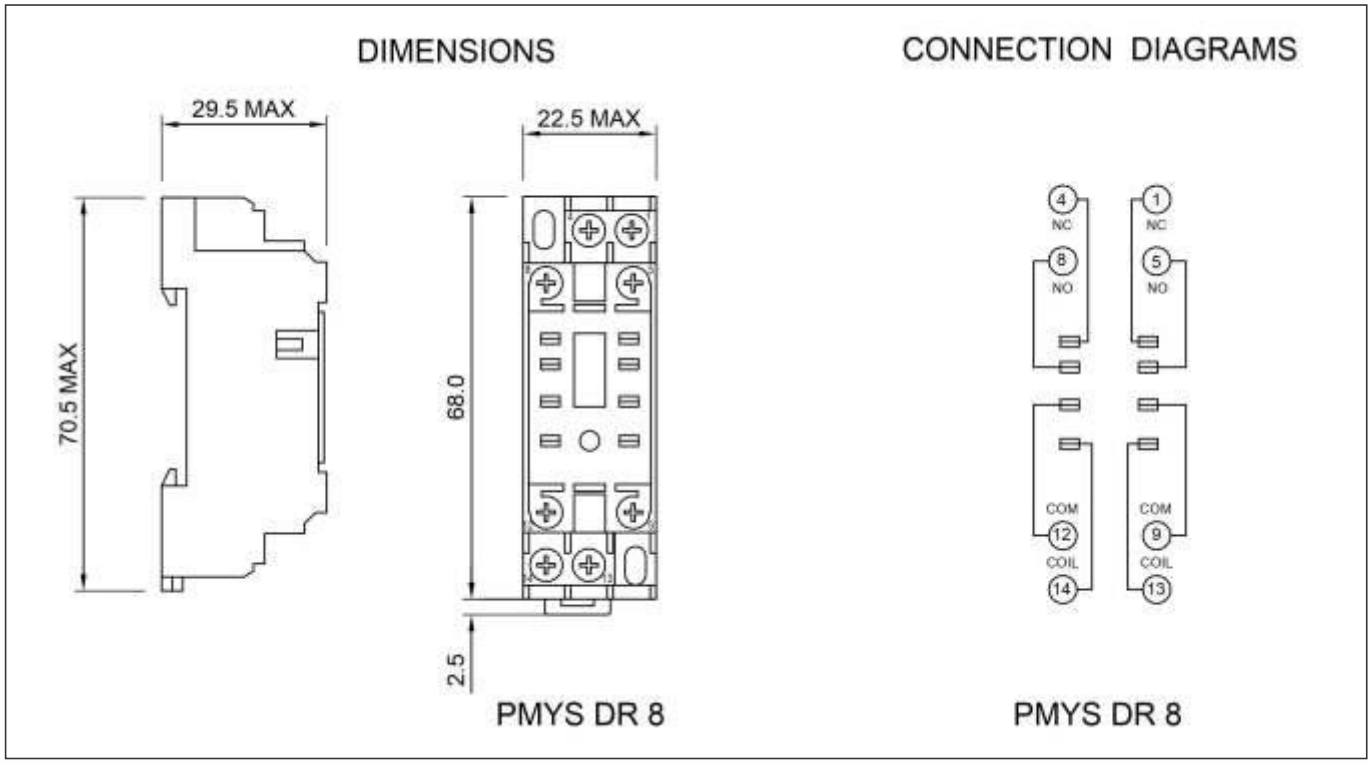
PMYS DR □□ V1

Series Name of Socket	PMYS
Mounting type	Din Rail - DR
No. Of Pin	8
	Version 1 - V1

NOTE:-

1) Recommended for PMY 2C series relays for Din Rail Mount.
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

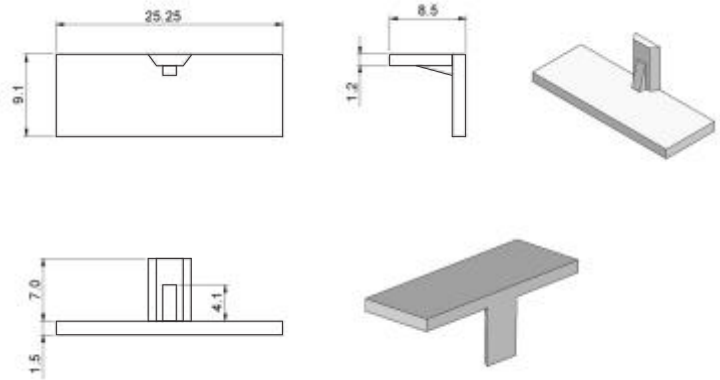
DIMENSIONS



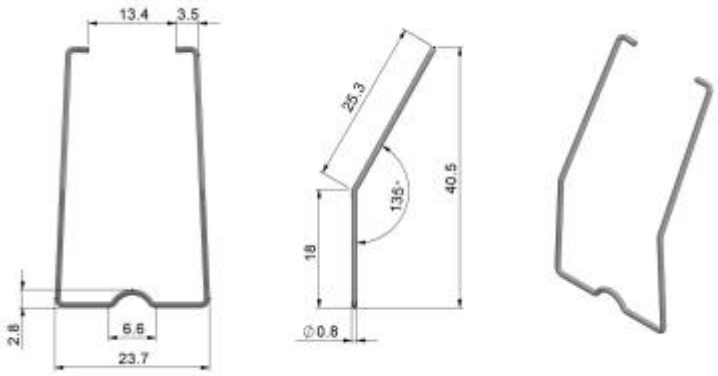
* Without Accessories

ACCESSORIES

LABELING TAG



RETAINER CLIP



* Accessories will be charged extra.

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

SPCB PMY 8/14 SOCKET

PCB Mount Socket for PMY & PMY-F Series Relays

TECHNICAL SPECIFICATIONS

TYPE	SPCB PMY 8 PIN / 14 PIN	
TERMINAL TYPE	PCB	
CONTACT CONFIGURATION	8 Pin	14 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	10 A	
BODY MATERIAL	High Electric Grade Bakelite	
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated	
TERMINALS	Brass Electroplated	
DI-ELECTRIC STRENGTH	2.5 kV	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	100 MΩ	
AMBIENT TEMPERATURE	-25˚C To + 85˚C	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	21.6 X 28.5 X 11 (+4.50)	
MAX WEIGHT IN GRAMS (APPROX.)	7 gms	8 gms
MOUNTING	PCB	

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals.
- For Plug in Module & Instrument .

ORDERING CODE FOR RELAY

SPCB PMY □□

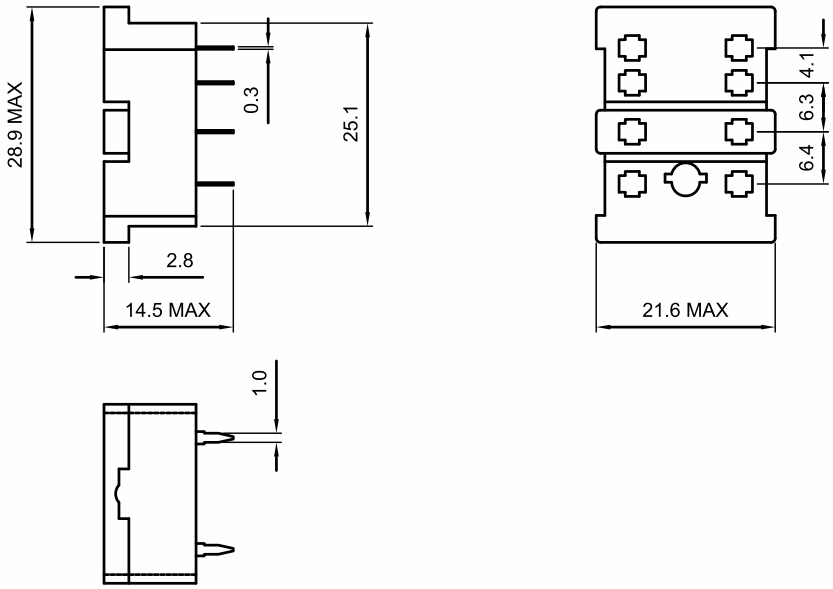
- **Mounting Type** PCB
- **Series name of Socket** PMY
- **No. Of Pin** 8 / 14

NOTE:-

1) Recommended for PMY relays series for PCB Mounting.
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

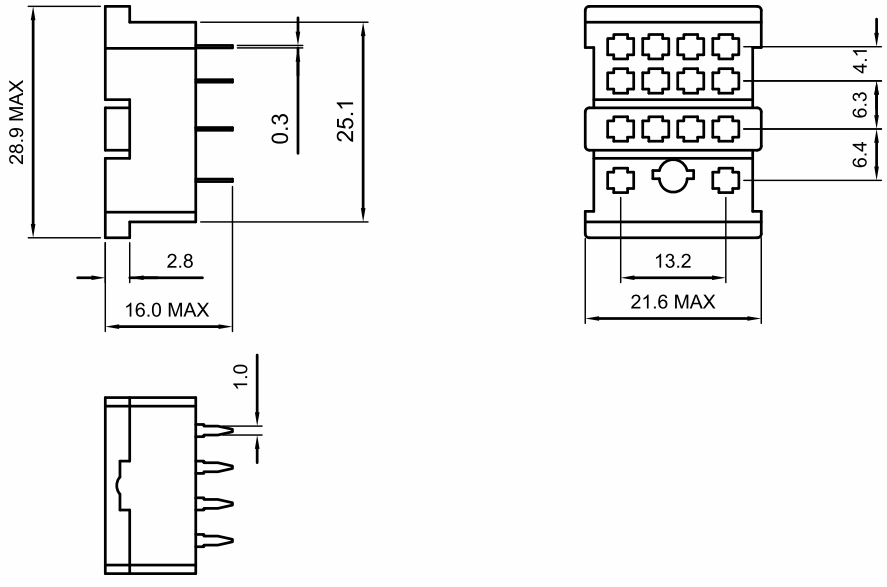
TYPE : SPCB PMY 8

DIMENSIONS



TYPE : SPCB PMY 14

DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PLYS DR 8/14 SOCKET

Formerly known as SDR PLY Din Rail Socket
for PLY Series Relays

TECHNICAL SPECIFICATIONS

TYPE	PLYS DR 8 PIN / 14 PIN	
TERMINAL TYPE	Din Rail	
CONTACT CONFIGURATION	8 Pin	14 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	10 A	
BODY MATERIAL	High Electric Grade Bakelite	
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated	
TERMINALS	Brass Electroplated	
DI-ELECTRIC STRENGTH	2.5 kV	
MAXIMUM TIGHTENING TORQUE	0.6 Nm	
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	500 MΩ	
AMBIENT TEMPERATURE	-25˚C To + 85˚C	
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	8 PIN: 23.3 X 80.0 X 32.5	14 PIN : 46.0 X 78.5 X 30.0
MAX WEIGHT IN GRAMS (APPROX.)	45 gms	63 gms
MOUNTING	Din Rail & Screw	

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals.
- For Plug in Module & Instrument.

ORDERING CODE FOR RELAY

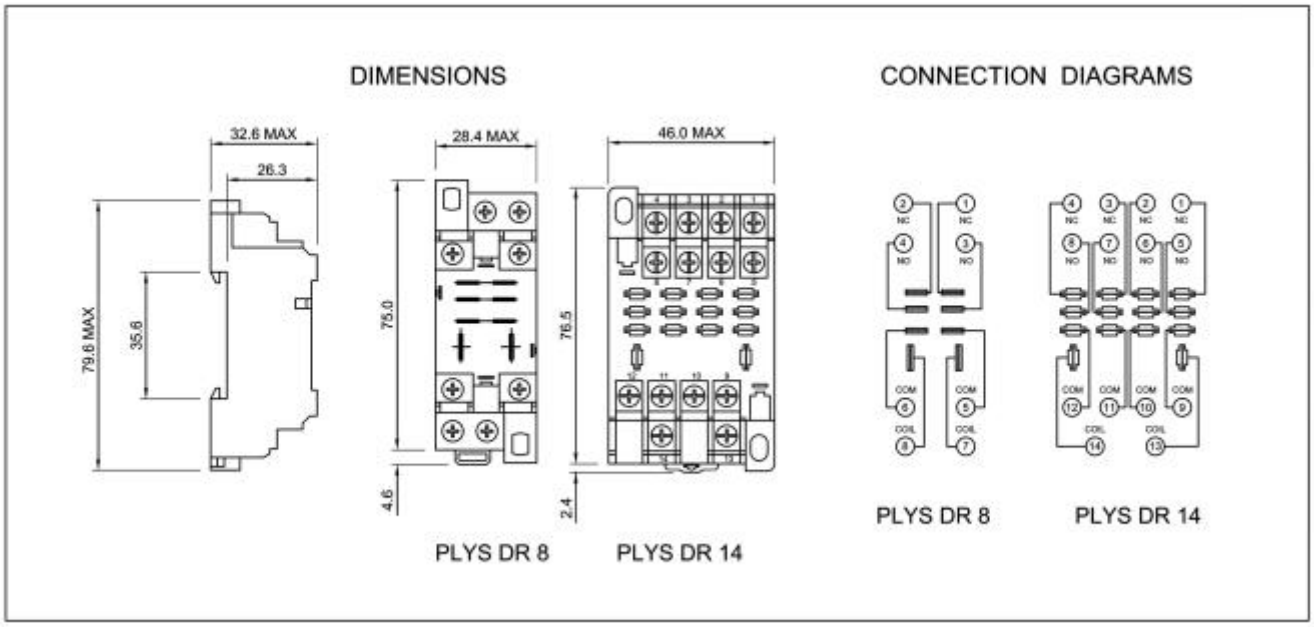
PLYS DR □□

Series Name of Socket	PLY
Mounting type Din Rail - DR	
No. Of Pin	8 / 14

NOTE:-

1) Recommended for PLY Relays.
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

DIMENSIONS



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

MPCNS 5/8 SOCKET

For MPCN Series Relays

TECHNICAL SPECIFICATIONS

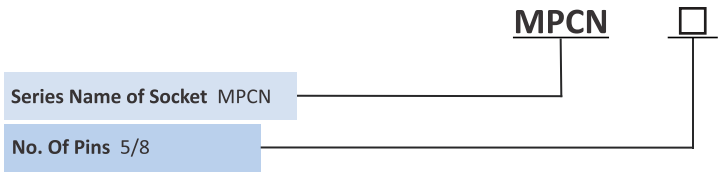
TYPE	MPCNS 5/8
TERMINAL TYPE	Screw Terminal
CONTACT CONFIGURATION	5 Pin & 8 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	10 A
BODY MATERIAL	Polyamide 6,6 (PA 66)
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated
TERMINALS	Brass Electroplated
NOMINAL LOAD CURRENT VOLATGE	10A / 300 VAC
DIELECTRIC STRENGTH BETWEEN OPEN CONTACT	2.5 kV
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	1000MΩ
MAXIMUM TIGHTENING TORQUE	1.0 Nm
AMBIENT TEMPERATURE	-25˚C To + 85˚C
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	15.8 x 81.5 x 61.5
MAX WEIGHT IN GRAMS (APPROX.)	41 gms
MOUNTING	Din Rail

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals.
- For Plug in Module & Instrument.

ORDERING CODE FOR RELAY

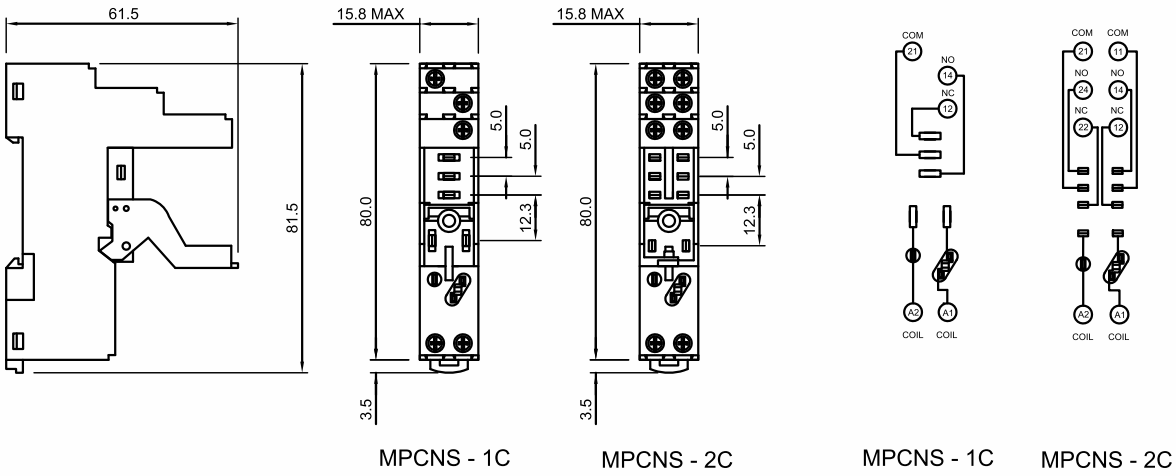


NOTE:-

1) Recommended for MPCN Relays.
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

DIMENSIONS

DIMENSIONS TYPE : MPCNS 5/8 CONNECTION DIAGRAM



MPCNS - 1C MPCNS - 2C MPCNS - 1C MPCNS - 2C

NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PMCMS 5/8 SOCKETS

Socket For PMCM Series Relays

TECHNICAL SPECIFICATIONS

TYPE	PMCMS 5/8		
TERMINAL TYPE	Screw Terminal		
CONTACT CONFIGURATION	5 Pin	8 Pin	
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	10 A	8 A	16 A
BODY MATERIAL	High Electric Grade Bakelite		
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated		
TERMINALS	Brass Electroplated		
DIELECTRIC STRENGTH BETWEEN OPEN CONTACT	2 kV		
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	500 MΩ		
MAX TIGHTENING TORQUE	1.0 Nm		
AMBIENT TEMPERATURE	-25˚C To + 85˚C		
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	15.8 x 79 x 43	15.8 x 79 x 43	
MAX WEIGHT IN GRAMS (APPROX.)	39 gms	46 gms	
MOUNTING	Din Rail		

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals.
- For Plug in Module & Instrument.

PMCMS □

Series Name of Socket PMCMS

No. Of Pins 5/8

NOTE:-

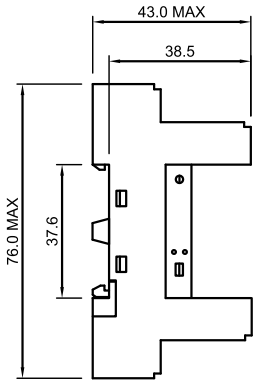
1) Recommended for PMCM Relays.
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

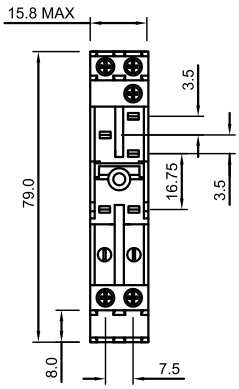
DIMENSIONS

DIMENSIONS

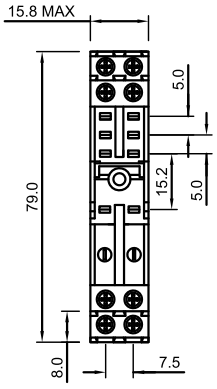
TYPE : PMCM 5/8

CONNECTION DIAGRAM

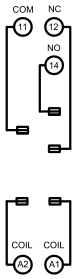




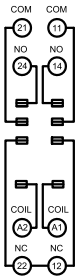
PMCM - 1C



PMCM - 2C



PMCM - 1C



PMCM - 2C

PRS S1 SOCKET

Socket for HPCC, LPR 30, LPR 40 2C & 3C Series Relays

TECHNICAL SPECIFICATIONS

TYPE	PRS S1
TERMINAL TYPE	Screw Terminal
CONTACT CONFIGURATION	11 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 24 VDC / 250 VAC	40 A
BODY MATERIAL	High Electric Grade Bakelite
CONTACT MATERIAL	Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated
TERMINALS	Brass Electroplated
DI-ELECTRIC STRENGTH	2 kV
MAX TIGHTENING TORQUE	0.6 Nm
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	500 MΩ
AMBIENT TEMPERATURE	-25˚C To + 85˚C
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	54.5 x 83.5 (+3.0) x 29.5
MAX WEIGHT IN GRAMS (APPROX.)	85 gms
MOUNTING	Din Rail & Screw

(Photo For Representation Purpose Only)

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals.
- For Plug in Module & Instrument.

ORDERING CODE FOR RELAY

PRS S1 □□

Series Name of Socket PRS S1

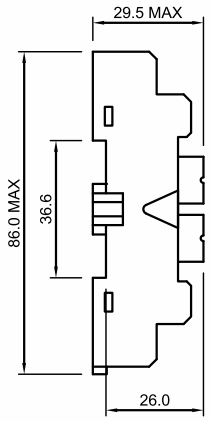
No. Of Pins 11

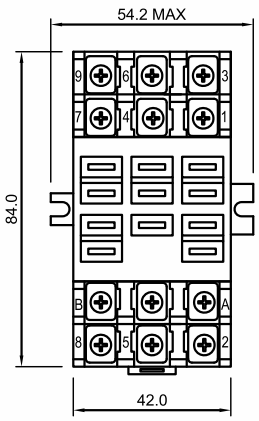
NOTE:-

1) Recommended for HPCC, LPR 30, LPR 40 2C & 3C Series Relays .
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

DIMENSIONS

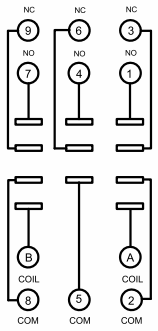
DIMENSIONS TYPE : PRS S1





PRS

CONNECTION DIAGRAMS



PRS

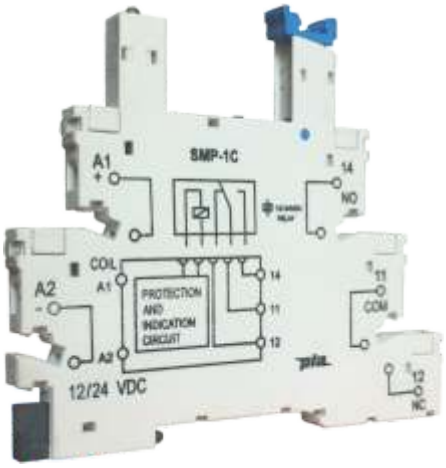
NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

SMP SOCKET

For SMP Series Relays

TECHNICAL SPECIFICATIONS

TYPE	SMP SOCKET
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC	6 A
INSULATION BETWEEN COIL & CONTACTS	≥ 6kv (1.2/50µs)
AMBIENT TEMPERATURE	-40˚C To + 70˚C
SCREW TORQUE	50 gms
WIRE STRIP LENGTH	10 mm
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	6 x 88.3 x 73.5
MAX WEIGHT IN GRAMS (APPROX.)	25 gms



SALIENT FEATURES

- Pole 6A Electro Mechanical Relay Interface Modules 6.2 mm wide Ideal Interface for PLC and Electronic system
- Sensitive DC Coil or AC / DC Coil Version
- Integrated Coil Indication and Protection Circuit
- Instant Ejection of Relay Plastic Retaining Clip
- UL Listing 35 mm Rail (EN 50022) Mounting

APPLICATIONS

- Ideal Substitute for Costly Relays & Contractors having Front Screw Terminals.
- For Plug in Module & Instrument.

ORDERING CODE FOR RELAY

SMPS **DR**

Series Name of Socket SMPS

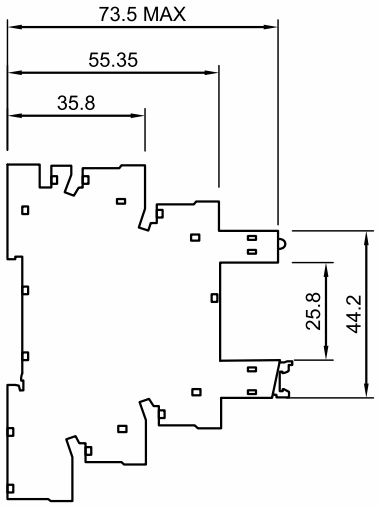
Din Rail - DR

NOTE:-

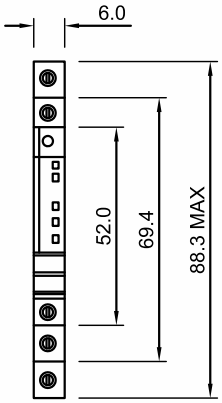
1) Recommended for SMP Relays .
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

DIMENSIONS

DIMENSIONS

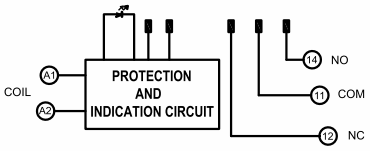


TYPE : SMPS



SMP

CONNECTION DIAGRAM



NOTE :- 1) In case no tolerance shown in outline dimensions : Outline dimension 1mm, tolerance should be ±0.2mm
Outline dimension 1mm and 5mm, tolerance should be ±0.3mm Outline dimension 5mm tolerance should be±0.4mm
2) The tolerance without indicating for PCB layout is always ±0.2mm

PSRS

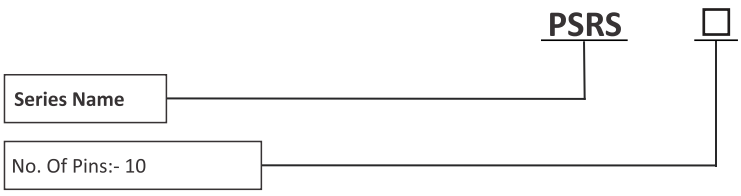
For PSR Relay (Safety Relay)

TECHNICAL SPECIFICATIONS

TYPE		PSRS
TERMINAL TYPE		Screw Terminal
NO. OF PINS		10
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC		6 A
BODY MATERIAL		High Electric Grade Bakelite
CONTACT MATERIAL		Electrical Grade Phosphor Bronze Spring Action Tubular Contacts Electroplated
TERMINALS		Brass Electroplated
NOMINAL LOAD CURRENT VOLTAGE		6A /240 VAC
DIELECTRIC STRENGTH BETWEEN	COIL TO CONTACT	4kv
	ACROSS CONTACT	1.5kv
INSULATION RESISTENCE AT 500 VDC AT 27°C & 65% RH		1000 MΩ
AMBIENT TEMPERATURE		-25°C TO +85°C
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.		23 x 90 x 60
MAX WEIGHT IN GRAMS (APPROX.)		48 gms
MOUNTING		Din Rail

(Photo For Representation Purpose Only)

ORDERING CODE FOR RELAY

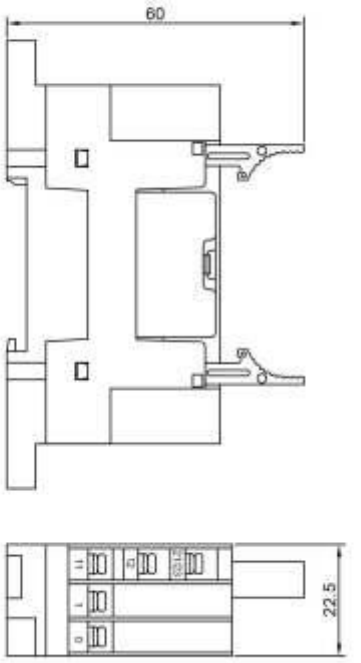


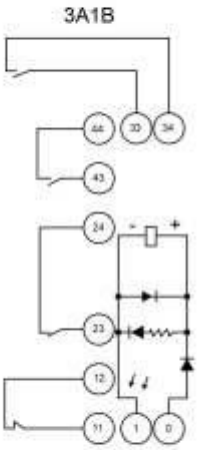
NOTE:-

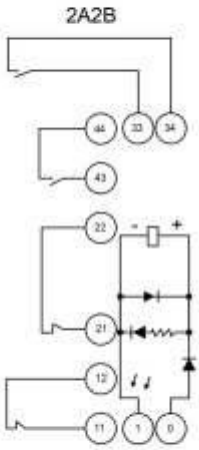
1) Socket For PSR Relays (Safety Relays) .
2) All Specification / Dimensions subject to Tolerance.
3) Any Techno commercial changes is / are prerogative of manufacturer / management of the company which can be done without any notice.

DIMENSIONS

DIMENSIONS TYPE - PSRS - 10 CONNECTION DIAGRAM







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HPSS DR 11

Socket For HPS Series Relays

TECHNICAL SPECIFICATIONS

TYPE	HPSS 11
TERMINAL TYPE	Screw Terminal
PINS	11 Pin
RATED CARRYING CURRENT (RESISTIVE) AT 220 VDC / 250 VAC	20 A
BODY MATERIAL	High Electrical Grade Bakelite
CONTACT MATERIAL	Electrical Grade Brass Extra Hard Action Contacts Brass Electroplated
DI-ELECTRIC STRENGTH	3.5 kV
MAXIMUM TIGHTENING TORQUE	0.6 Nm
INSULATION RESISTANCE AT 500 VDC AT 27˚C & + 65% RH	3000 MΩ
AMBIENT TEMPERATURE	-25˚C To + 70˚C
ALL DIMENSIONS ARE IN MM (W X L X H) APPROX.	42.5 X 76.2 (+2.8) X 32.0
MAX WEIGHT IN GRAMS (APPROX.)	79 gms
MOUNTING	Din Rail & Screw

For Representation Purpose Only

APPLICATIONS

- Ideal Substitute for Costly Relays & Contactors having Front Screw Terminals
- For Plug-In Relays Rapid Stop Unit, Timers, Smoke Detectors & any other Plug-In Module / Instrument

ORDERING CODE FOR SOCKET

HPSS DR □ 20A

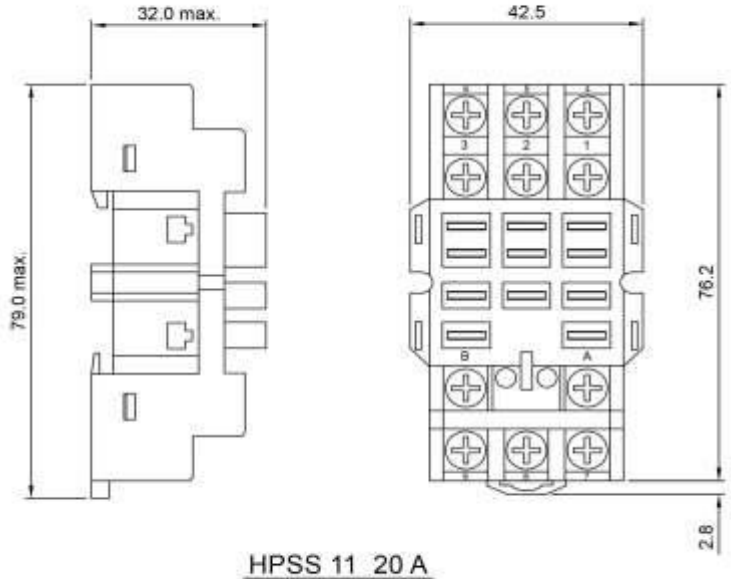
HPSS	Series Name of Socket HPSS
DR	Din Rail Pins
□	Pins 11
20A	Rating - 20A

NOTE:-

1) Recommended for HPS series relay
2) All Specifications / Dimensions subject to Tolerance

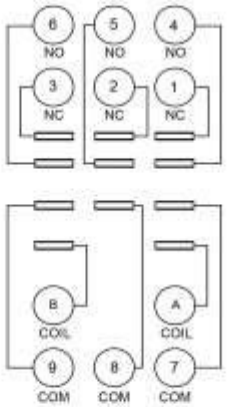
DIMENSIONS

DIMENSIONS



HPSS 11 20 A

CONNECTION DIAGRAMS



HPSS 11 20 A

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PLA COMPONENTS

Pla House, (Thakor Estate), Kurla Kirol Road,
Vidyavihar (W), Mumbai-400 086.

☎ +91 9152626104 / +91 7045459530
+91 22 46016799

✉ sales@plarelays.com 🌐 www.plarelays.com