LPR 30 E SERIES RELAYS

TECHNICAL SPECIFICATIONS

TYPE		LPR 30 E
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
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 VAC
	COIL TO CONTACT	2000 VAC
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)		37.2 X 55 X 47.5
MAX WEIGHT IN GRAMS		80 gms
MOUNTING		Metal base plate
STANDARDS		IEC 61810-1

SALIENT FEATURES

- Compact Size
- Elegant
- Reliable

APPLICATIONS

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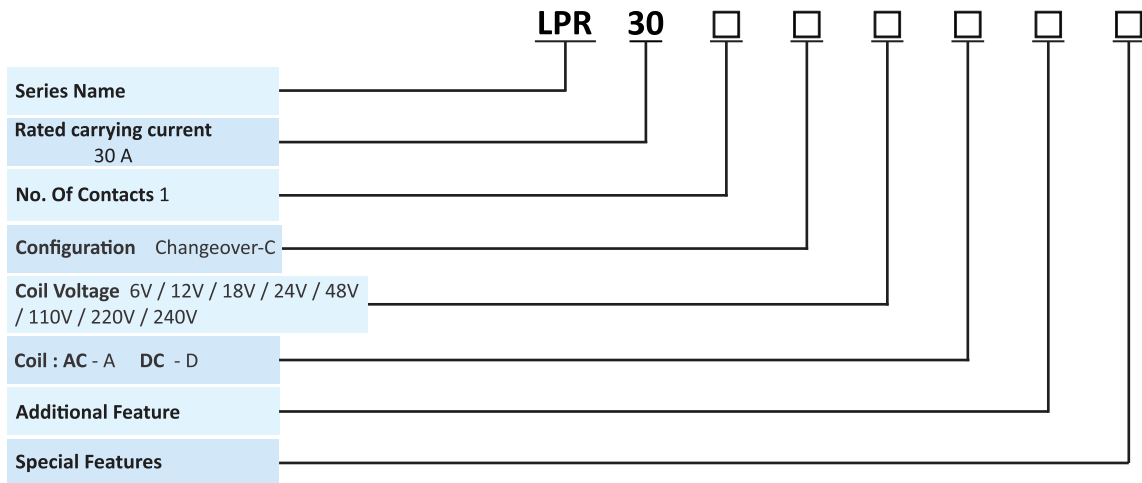- Heaters
- Process Controls
- Vending Machines

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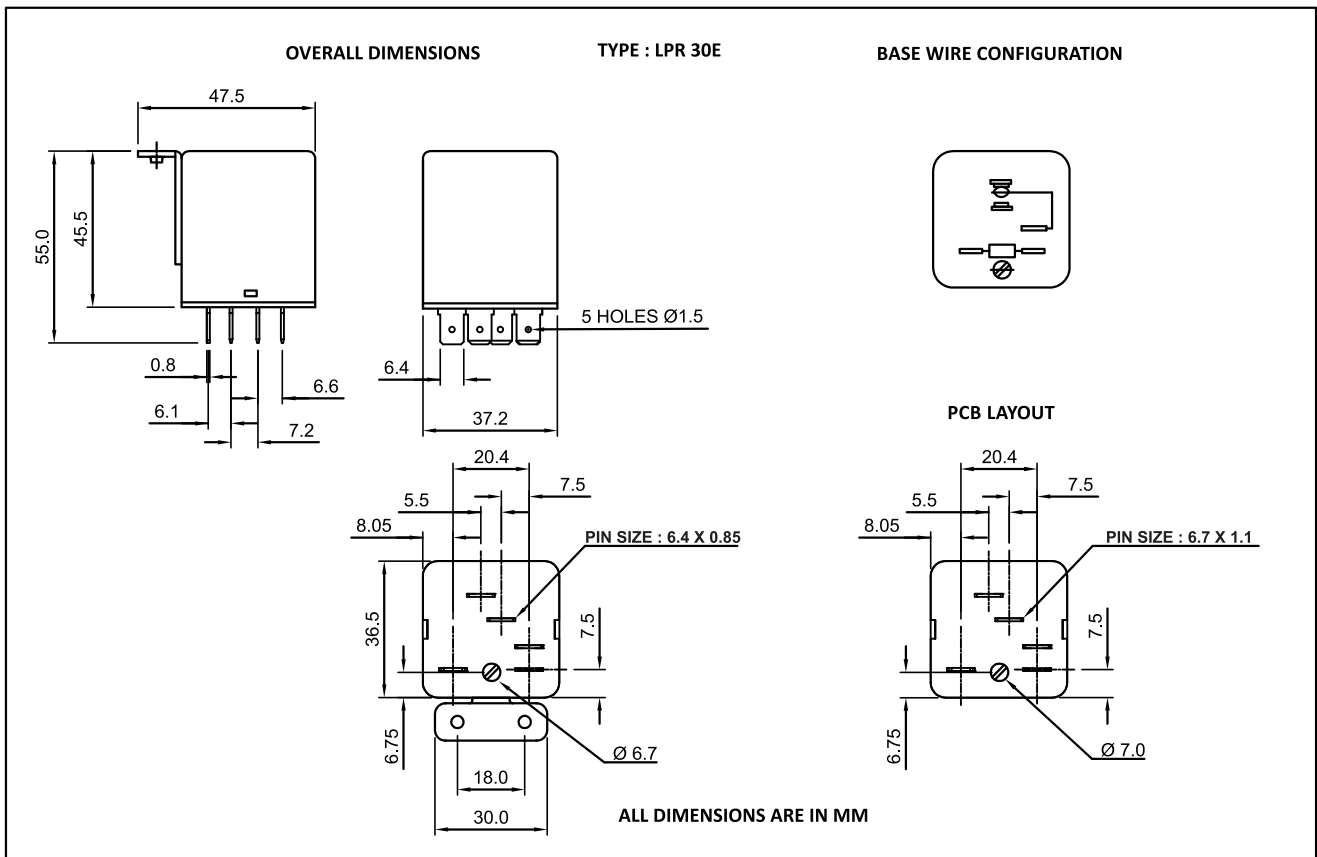
COIL – DATA (ALL VALUES AT 27°C ± 2°AMBIENT, COLD START)

NOMINAL VOLTAGE (V)	RESISTANCE ± 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	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	-	2.42

ORDERING CODE FOR RELAY

LPR 30 □ □ □ □ □ □

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

OVERALL DIMENSIONS   **TYPE : LPR 30E**   **BASE WIRE CONFIGURATION**

47.5

55.0

45.5

5 HOLES Ø1.5

0.8

6.6

6.1

7.2

6.4

37.2

PCB LAYOUT

20.4

5.5

7.5

8.05

PIN SIZE : 6.4 X 0.85

7.5

36.5

6.75

Ø 6.7

18.0

30.0

20.4

5.5

7.5

8.05

PIN SIZE : 6.7 X 1.1

7.5

6.75

Ø 7.0

ALL DIMENSIONS ARE IN MM