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		30A
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.		36.5 X 55.3 X 47
MAX WEIGHT IN GRAMS (APPROX.)		80 gms
MOUNTING		Metal base plate
STANDARDS		IEC 61810-1

(Photo For Representation Purpose Only)

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

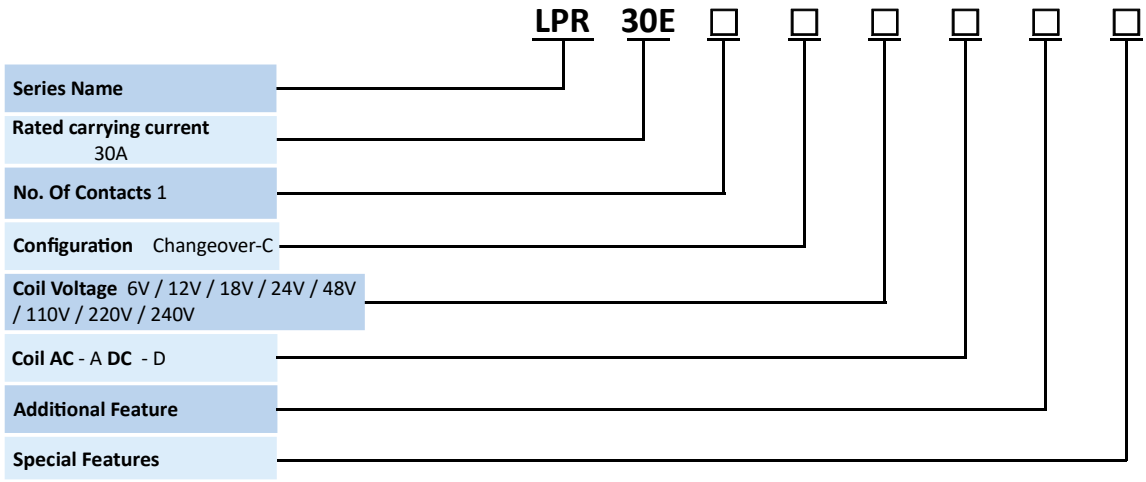
2) All Specification / Dimensions subject to Tolerance.

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

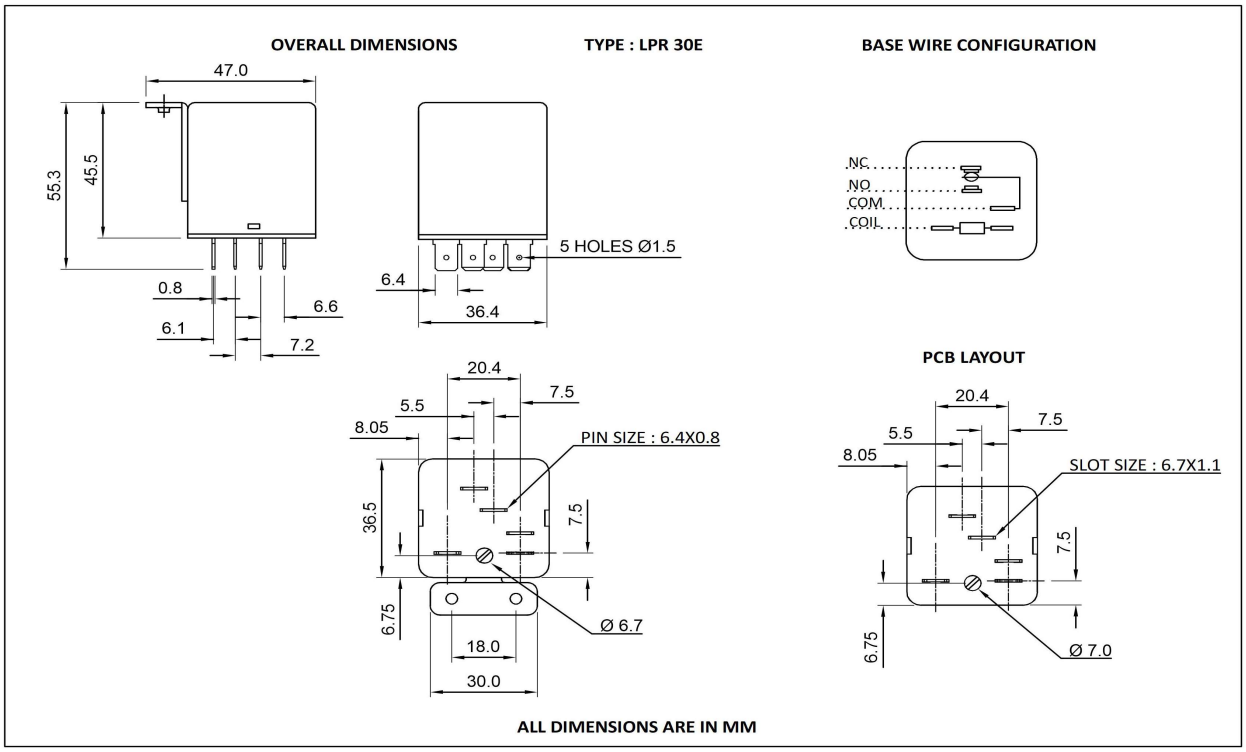
COIL – DATA (ALL VALUES AT 27˚C ± 2˚AMBIENT, COLD START)

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	12	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	2.4k	88	11	1.21	2.42
220	40k	-	176	22	1.21	-
240	-	9.5k	192	24	-	2.42

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