

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 (6A Relay) 1 HP at 277 VAC (10A 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)		31.5 x 31.5 x 56.0
MAX WEIGHT IN GRAMS		37.2 gms (approx)
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
- Control Panels
- Temperature controllers
- Stabilizers
- Textile Machines
- Battery Chargers
- Bio-medical Instruments & Appliances
- Uninterrupted Power Supplies
- Process Control Systems
- Electrical Equipment's Appliances
- Automation & Remote Control Systems
- Inverters
- Industrial controls
- Circuit Breakers
- High voltage DC Panels/ Motors
- Scada Applications

NOTE :- 1) Recommended socket :- For MPC V1 2C is RS 8E , For MPC V1 3C is RS 11E

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



+91 22 25106104/05



+91 7045459530



sales@plarelays.com

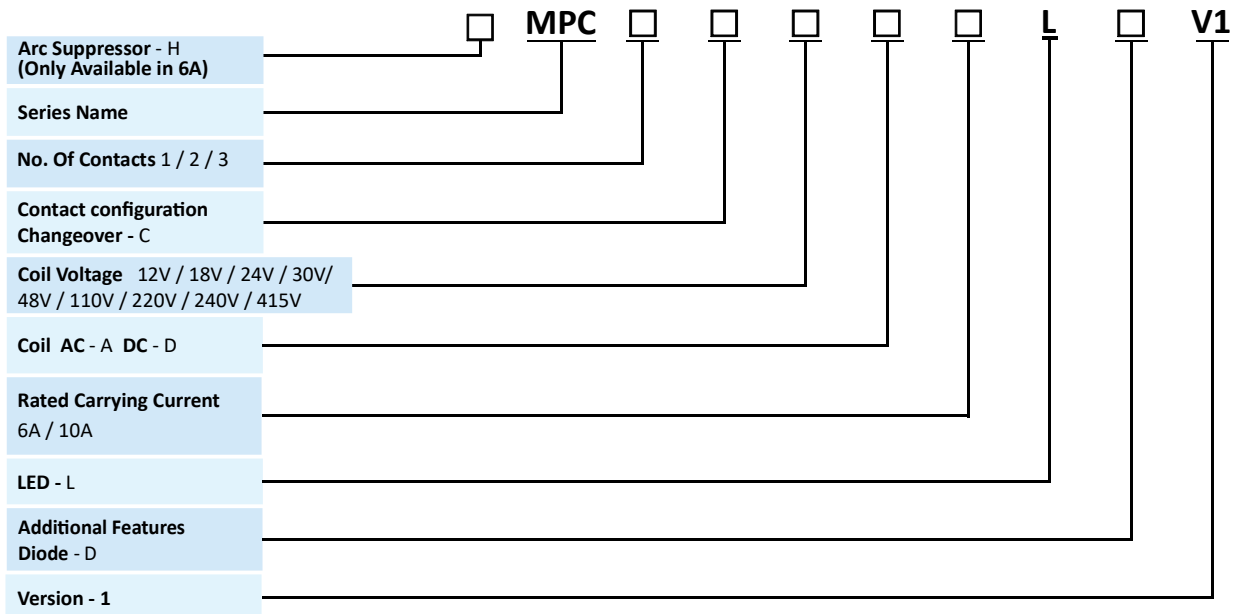


www.plarelays.com

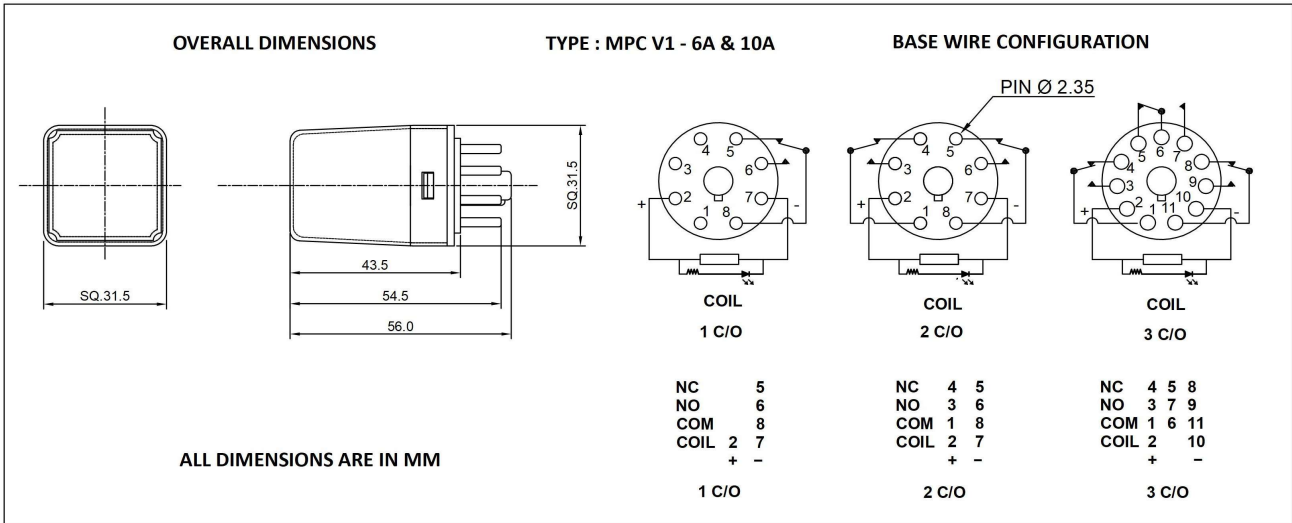
COIL – DATA (6A / 10A) (MPC / HMPC) (ALL VALUES AT 27°C ± 2° AMBIENT, COLD START)

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

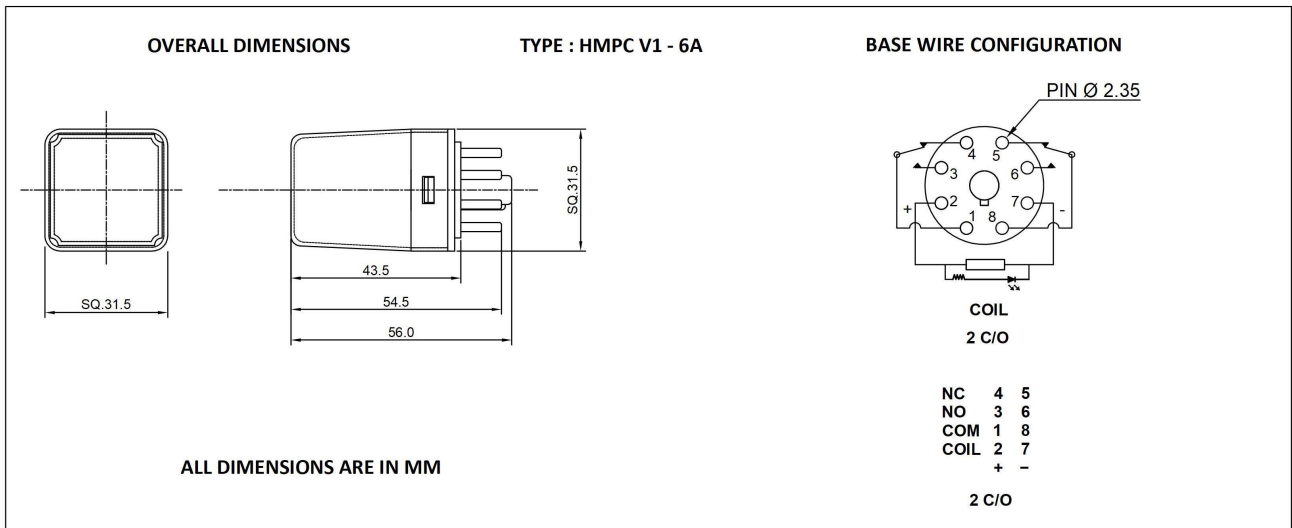
ORDERING CODE FOR RELAY



OVERALL DIMENSIONS



OVERALL DIMENSIONS



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