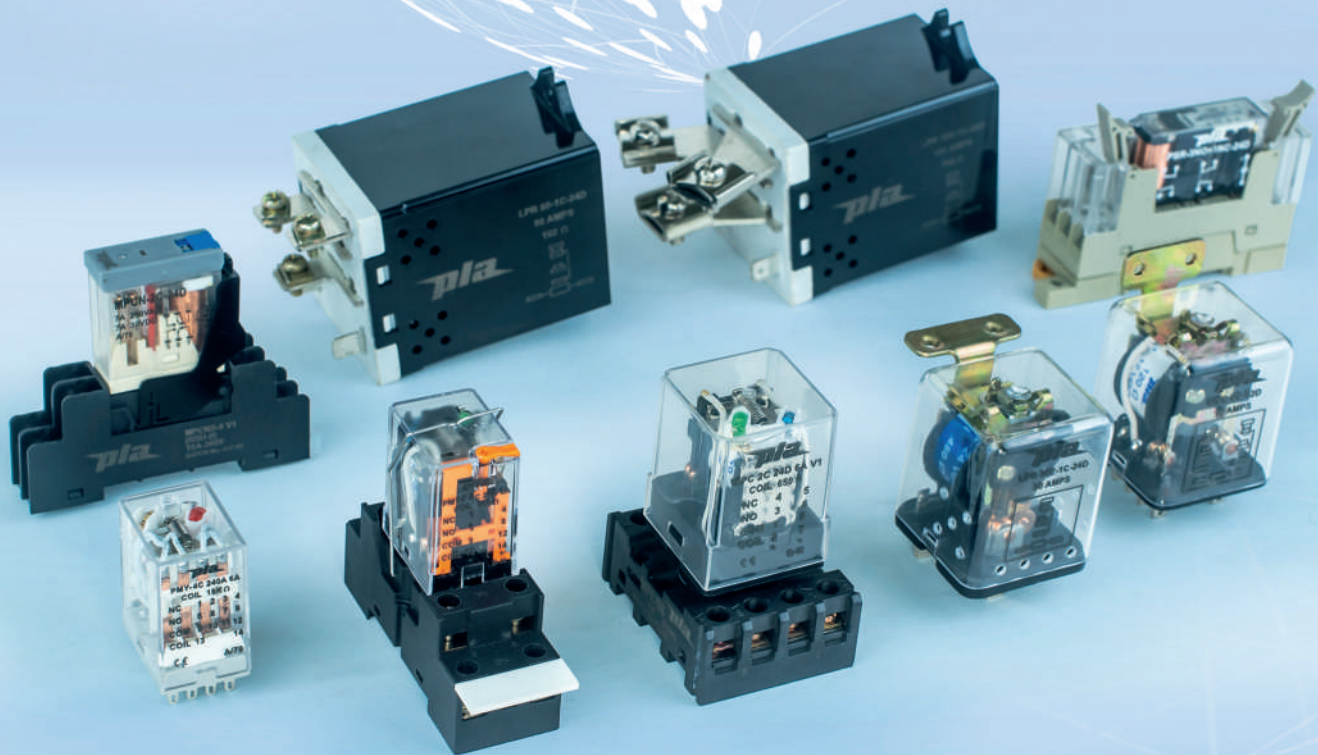


pla

Millions Of Relays In Use....



Manufactured by:

PLA COMPONENTS

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Kurla Kirol Road, Vidyavihar (W),
Mumbai-400086. India

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		PLUG IN RELAYS											
Parameter		MPC				MPC V1		PMY F		PLY		MPCN	
PRODUCT PHOTO													
TERMINAL TYPE		PLUG IN				PLUG IN		PLUG IN / SOLDER		PLUG IN / SOLDER		PLUG IN	
CONTACT CONFIGURATION		2C / 3C		2C		2C / 3C		2C/3C	4C	2C	4C	1C	2C
RATED CARRYING CURRENT RESISTIVE AT 24 VDC / 250 VAC		5A	10A	12A	16A	6A/10A		6A/10A	6A	10A		12A at 30 VDC	7A at 30 VDC
COIL NOMINAL VOLTAGE	VDC	6-250				12-250		6-220		12-48		12-24	
	VAC	6- 415 @ 50Hz				12-415		6-415		240		240	
OPERATING POWER	DC	0.72-1.25W		1.20-1.25W		0.89 - 1.15 W		0.89 - 1.15 W		0.89-1.65 W		0.52 W	
	AC	1.92-2.43 VA		2.42-3.60 VA		1.10VA-1.30VA		1.10 VA - 1.25 VA		2.88VA		0.96 VA	
DIELECTRIC STRENGTH (VRMS) BETWEEN	OPEN CONTACT	1500		1800		1000		1000		1500		1000	
	COIL TO CONTACT	2000		2000		2000		2000		2000		5000	
INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH		500 MΩ				500 MΩ		100 MΩ		500 MΩ		2000 MΩ	
ELECTRICAL LIFE		10 ⁵				10 ⁵		10 ⁵		10 ⁵		10 ⁵	
MECHANICAL LIFE		10 ⁷				10 ⁷		10 ⁶		10 ⁶		10 ⁷	
ALL DIMENSIONS ARE IN MM		37×37×68				31.9x31.9x56.5		21.5×28×35.5(+7)		21.5 x 28 x 35.3 (+6.7)	41.5 x 28 x 35.3 (+6.7)	12.7×31×32.5(+6.5)	
MAX WEIGHT IN GRAMS APPROX		75GMS				37GMS		37GMS		40GMS	70GMS	20GMS	
INBUILT FEATURE		LED				LED		LED		LED		LED	
OPTIONAL FEATURES		DIODE				DIODE		DIODE		DIODE		-	
COIL DATA	COIL VOLTAGE	RESISTANCE IN 'Ω' ± 10%				RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%	
		DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC
	6	30	7	30	4	-	-	-	-	-	-	-	-
	12	200	30	120	16	160	46	160	46	130	100	275	-
	18	390	-	270	-	350	-	350	-	-	-	-	-
	24	500	110	480	70	650	180	650	180	650	350	1.1k	-
	30	-	-	-	-	-	-	-	-	-	-	-	-
	48	2.25k	440	1.9k	-	2.6k	735	2.6k	735	-	1.6K	-	-
	110	10k	2.4k	10k	2k	11k	4.4k	11k	4.4k	-	4.4K	22.8K	6.3K
	220	50k	-	40k	-	54K	-	54K	-	-	-	-	-
	240	-	9.5k	-	9.5k	-	19k	-	19k	18K	8K	-	23K
	250	50k	-	45K	-	-	-	-	-	-	-	-	-
	415	-	27K	-	-	-	54K	-	54K	-	-	-	-
		* Coil Resistance for MPC 3C 12 VDC = 150 Ω (± 10%) * 3C Relays Available With Arc Suppressor				* MPC 12A & 16A formerly known as HPC		* 2C Relays Available With Arc Suppressor		* 2C Relays Available With Arc Suppressor		* Coil Resistant for 1) PLY 2C 240 VAC = 18 kΩ 2) PLY 4C VAC = 8 kΩ (± 10 %)	

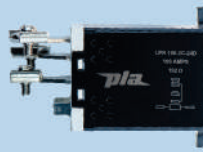
NOTE:- 1) All Specifications / Dimensions subject to Tolerance.

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				SAFETY RELAY		LATCHING RELAY		GENERAL PURPOSE RELAY								
PMCM			HPS		PSR		LMPC		HCC		MCC		MCC V1		MCC-O	
																
PLUG IN / PCB MOUNT			SOLDER/ PLUG IN		PLUG IN		PLUG IN		SOLDER		SOLDER		SOLDER		SOLDER	
1C		2C	1C / 2C / 3C 1N/O 2N/O 3N/O		2N/O+2N/C 3N/O+1N/C		2C		1C / 2C / 3C		1C / 2C / 3C		1C / 2C / 3C		2C / 3C	
12A	16A	8A	16A		6A		10A		12A	16A	5A & 10A		6A & 10A		10A	
12-24			6-220		6-48		12-220		6-220		6-220		6-220		6-220	
240			6-240		-		240		6-240		12-240		6-240		6-240	
0.53-0.55W			1.20-1.21W		360mW		1.44-1.61W		1.20-1.21W		0.72-1.21W		0.89-1.15W		0.72-1.21W	
0.65VA			2.42-3.60VA		-		-		2.42-3.60VA		2.02-2.43 VA		2.02-2.43 VA		2.02-2.43 VA	
1000			2000		1500		1500		1800		1500		1000		1500	
5000			2000		4000		2000		2000		2000		2000		2000	
1000 MΩ			500 MΩ		1000 MΩ		100 MΩ		100 MΩ		100 MΩ		100 MΩ		100 MΩ	
10 ⁵			10 ⁵		10 ⁵		10 ⁵		10 ⁵		10 ⁵		10 ⁵		10 ⁵	
10 ⁷			10 ⁶		10 ⁷		10 ⁶		10 ⁶		10 ⁶		3 × 10 ⁶		10 ⁶	
12.7 x 29 x 20.4 (+4)			36.5 x 36.5 x 44.7 (+8.1)		13 × 40 × 24		37 × 37 × 92		37.2 x 53.4 (+9.1) x 38.5		29 x 43 (+15.5) x 34.5		25 x 32 x49		28 x 42(+10) x32.5(+6.5)	
20GMS			90GMS		20GMS		150GMS		75GMS		53GMS		48GMS		48GMS	
LED			-		LED		-		-		-		-		-	
-			LED / DIODE		-		-		-		-		-		-	
RESISTANCE IN 'Ω' ± 10%			RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10% 2C & 3C		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%	
DC	AC		DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC
-	-		30	4		-	-	-	30	4	30	7	-	-	30	7
270			120	16		-	100	-	120	16	200	30	160	46	200	30
-	-		270	-	900	-	400	-	270	-	390	-	350	-	390	-
1.05K	-		480	70	1.6K	-		-	480	70	500	110	650	180	500	110
-	-		1.9K	-	-	-	-	-	1.9K	-	2.25K	-	-	-	-	-
-	-		10K	2K	6.4K	-	1.6K		10K	2K	10K	440	2.6K	735	2.25K	440
-	-		40	-	-	-	7.9K	-	40	-	26K	2.4K	11K	4.4K	10K	2.4K
-	-		-	9.5K	-	-	30K	-	-	9.5K	-	-	54K	-	-	-
-	3.5K		50K	-	-	-	-	9.5K	50K	-	-	9.5K	-	19K	-	9.5K
-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-		-	-	-	-	-	-	-	-	-	27K	-	54K	-	-
* Contact Rating: - 12A 16A & 8A resistive at 30 VDC / 250 VAC			1C, 1N/O, 2C, 2 N/O Relays Available With Arc Suppressor (HPS)						* HCC 16A formerly knows as MPR		* Coil Resistance for MCC 3C 12 VDC + 150 Ω* MCC 2C 12 VAC = 30 Ω (± 10%)					

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POWER RELAY												AUTOMOTIVE RELAY	
HPCC		LPR 30E		LPR 30		LPR 40		LPR 60		LPR 80/100		PAC40 / 80	
													
PLUG IN / SOLDER/ LUGS		SOLDER/ LUGS		SOLDER/ PLUG IN / LUGS		1C SCREW TERMINAL / 2C,3C LUGS & PLUG IN		SCREW TERMINAL		SCREW TERMINAL	SCREW TERMINAL	SOLDER/ LUGS	
2C/2A		1C		1C/2C/3C		1C/2C/3C		1C & 1N/O		1C & 1N/O		1N/O	
20A AT 220 VDC		30A		30A		40A		60A		80A	100A	40A AT 14 VDC	80A AT 14 VDC
12-220		12-110		12-220		12-220		12-220		12-24		12-24	
240		240		24-240		24-240		24-240		240		-	
1.86-2.22W		1.20-1.21W		1.86-2.22		1.86-2.20W		1.92-2.22W		3W		1.6W	
4.90VA		2.42-3.6 VA		3.72-5.76 VA		1.86-2.22 W		3.72- 4.76VA		4.90 VA		-	
2000		2000		2000		2000		2000		2000		500	
2000		2000		2000		2000		2000		2000		750	
100 MΩ		100 MΩ		1000 MΩ		1000 MΩ		1000 MΩ		1000 MΩ		100 MΩ	
10 ⁵		50000		10 ⁵		10 ⁵		10 ⁵		10000		10 ⁵	
10 ⁶		10 ⁶		10 ⁶		10 ⁶		10 ⁶		10 ⁶		10 ⁶	
50.5 x 70 (+9.8) x 38.8		37.5 x 55 x 38.2		41.2x 64.3 (+9.6) x 50		49x 56(+10) x 48		'L'TYPE:- 50.5 x 71.55 x 45(+10) 'T' TYPE:-50.5 x 82 x 45.7		48 x 82.5 x 70.5	62.8 x 70.6 x 97.8	26.3 x 26.3 x39.7(+11.5)	32 x 29 x42.7(+15)
126GMS		80GMS		125GMS		125GMS		140GMS		225GMS		31GMS	48GMS
-		-		-		-		-		-		-	
-		-		-		-		-		-		-	
RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%	
DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	DC
-	4	30	4	-	7	-	7	-	7	-	-	-	-
74	16	120	16	74	-	74	-	74	-	48	-	90	90
-	-	270	-	150	-	150	-	150	-	-	-	-	-
260	70	480	70	260	40	260	40	260	40	192	-	360	360
-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2K	-	1.9K	-	1.2K	-	1.2K	-	1.2K	-	-	-	-	-
5.5K	2K	10K	2K	5.5K	1.3K	5.5K	1.3K	5.5K	1.3K	-	-	-	-
26K	-	40K	-	26K	-	26K	-	26K	-	-	-	-	-
-	4.7K	-	9.5k	-	4.7K	-	4.7K	-	4.7K	-	4.7K	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
				* Coil Resistant LPR30 1C 12 VDC = 120 Ω 24 VDC = 480 Ω 240 VAC = 4.7 kΩ (± 10%)									

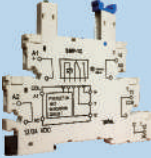
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SLIM RELAY		PCB MOUNT RELAY		REED RELAYS					
SMP		PLE	SCR	DIP N/O		DIP C/O		SIP	RA2 MA2
									
PLUG IN		PCB	PCB	PCB		PCB		PCB	-
1C		1C & 1N/O	1C	1N/O & 2N/O		1C & 2C		1N/O	1N/O
6A		NO: 40A NC:30	7A	0.5A AT 200 VDC 10W EACH MAX		0.5A AT 200 VDC 3W EACH MAX		0.5A AT 200 VDC 10W EACH MAX	0.5A AT 200 VDC 10W EACH MAX
12-24		12-24 VDC	12-24 VDC	5-48 VDC		5-48 VDC		5-12 VDC	-
-		-	-	-		-		-	-
0.17W		0.90W	0.36W	0.13-0.52 W		0.13-0.52 W		0.05-0.08 W	-
1000		-	-	-		-		-	-
4000		1500 VAC	750 VAC	250 VDC		250 VDC		250 VDC	250 VDC
1000 MΩ		1000 MΩ	100 MΩ	1000 MΩ		1000 MΩ		1000 MΩ	-
3×10^4		10^5	10^5	10^7		10^7		10^7	10^7
10^4		10^6	10^6	-		-		-	-
28.8 x 5 x 15(+3.5)		27.5 x 32 x 20(+5)	19x 15.4x15(+4)	1NO:-10.5 x 20 x 7.5 2NO:-10.5 x 20.2 x 11.5		1NO:-10.5 x 20 x 7.5 2NO:-10.5 x 20.2 x 11.5		POTTED VERSION (P) :- 10 x 22.4 x10.5 MOLDED VERSION (P) :- 8.6 x 24.3 x 9.5	23 x 13.9 x 6
5.4GMS		25GMS	10GMS	5GMS		5GMS		5GMS	RA2:- 4.2 GMS MA2 :- 3.2 GMS
-		-	-	-		-		-	-
-		-	-	-		-		-	-
RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%	RESISTANCE IN 'Ω' ± 10%	RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%		RESISTANCE IN 'Ω' ± 10%	RESISTANCE IN 'Ω' ± 10%
DC	AC	DC	DC	1NO DC	2NO DC	1C DC	2C DC	DC	DC
-	-	-	-	200 (5V)*	100 (5V)*	200 (5V)*	100 (5V)*	500 (5V)*	-
848	-	160	400	500	275	500	275	2k	-
-	-	-	-	-	-	-	-	-	-
3.39	-	640	1.6K	2.1k	1.1k	2.1k	1.1k	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	5k	5k	5k	5k	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
				* Coil Resistance for DIP 1N/O 5VDC = 200Ω DIP 2N/O 5VDC = 100Ω (± 10%)		* Coil Resistance for DIP 1C/O 5VDC = 200Ω DIP 2C/O 5VDC = 100Ω (± 10%)		* Coil Resistance for SIP 1N/O 5VDC = 500Ω (± 10%)	

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Parameter	SOCKET												
NAME	MPCS DR 8/11		PMYS DR 8/14		PMYS PCB 8/14		PLYS DR 8/14		MPCNS 5/8		PMCMS 5/8		PRS-S-1
PHOTO													
TERMINAL TYPE	SCREW TERMINAL		SCREW TERMINAL		PCB		SCREW TERMINAL		SCREW TERMINAL		SCREW TERMINAL		SCREW TERMINAL
NO. OF CONTACT PINS	8 PIN	11 PIN	8 PIN	14 PIN	8 PIN	14 PIN	8 PIN	14 PIN	5 PIN	8 PIN	5 PIN	8 PIN	11 PIN
RATED CARRYING CURRENT	16A	12A	10A		10A		10A		12A	10A	12A	10A	40A
TERMINALS	BRASS ELECTROPLATED		BRASS ELECTROPLATED		BRASS ELECTROPLATED		BRASS ELECTROPLATED		BRASS ELECTROPLATED		BRASS ELECTROPLATED		BRASS ELECTROPLATED
DIELECTRIC STRENGTH	2 kV		2 kV		2.5 kV		2.5 kV		2 kV		2 kV		3.5 kV
INSULATION RESISTANCE AT 500 VDC AT 27°C & 65% RH	500 MΩ		500 MΩ		500 MΩ		1000 MΩ		100 MΩ		500 MΩ		3000 MΩ
AMBIENT TEMPERATURE	-25°C To +55°C		-25°C To +85°C		-25°C To +85°C		-25°C To +85°C		-25°C To +85°C		-25°C To +85°C		-25°C To +70°C
ALL DIMENSIONS ARE IN mm (W×L×H)	40.2×51.4 (+4)×21	43×51.5 (+4)×31	22.5×68 (+2.8)×29.7	29.5×68 (+2.8)×29.7	21.6×28.5×11(+4.5)		23.3×80 ×32.5	46×78 ×30	15.8×81.5×61.5		15.7×76 ×42.7	15.7×76 (+11)×74	54.5×83.5(+3)×29.5
MAX WEIGHT IN GRAMS	38gms	54gms	30gms	45gms	7gms	8gms	45gms	63gms	41gms		39gms	46gms	85gms
MOUNTING	DIN RAIL & SCREW		DIN RAIL & SCREW		PCB		DIN RAIL & SCREW		DIN RAIL		DIN RAIL		DIN RAIL & SCREW
TYPE	SMPS		PSRS										
PRODUCT PHOTO													
RATED CARRYING CURRENT (RESISTIVE) AT 30 VDC / 250 VAC	6A		6A										
INSULATION	Between Coil & Contacts ≥6kv (1.2 / 50 μs)		500 MΩ										
AMBIENT TEMPERATURE	-40°C To +70°C		-25°C To +85°C										
SCREW TORQUE	50gms		10 CONTACT PIN										
WIRE STRIP LENGTH	10 mm		DIELECTRIC STRENGTH 4 kV										
ALL DIMENSIONS ARE IN mm (W×L×H)	6×88.3×73.5		22×90.5×60										
MAX WEIGHT	25gms		48gms										

NOTE:-

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- 2) Any Techno commercial changes is / are subject to change without any notice.
- 3) PMCM socket and SMP socket is with LED indicator