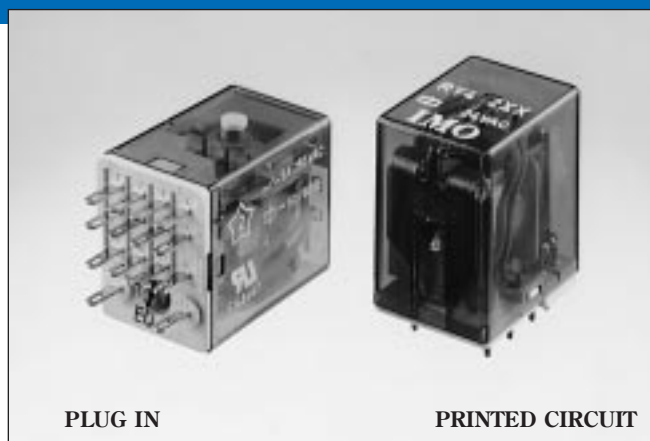


Miniature general purpose 2 and 4 pole relays with 5A switching capability

- 8 and 14 pin configuration for 2 and 4 pole c/o models
- Manual operator for circuit testing – colour coded for AC/DC identification
- UL approved CSA and VDE pending
- Mechanical flag indicator showing armature operation
- Gold flashed, silver nickel contacts for reliable switching
- Flash barriers between contacts
- Plug-in and P.C. mounting styles
- B250 Insulation group (DIN VDE 0110)



Options and ordering codes

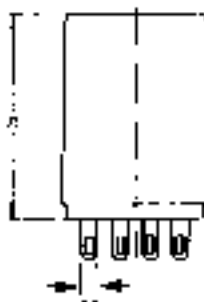
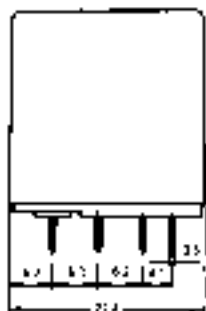
RY	4	1	P	I	240VAC
4 pole changeover	4				For details of coil voltage see chart below
2 pole changeover	2				
Plug-in	1			I	Flag indicator
Printed circuit mounting	2			X	No flag indicator
			R		LED indication
Manual operator	P			N	Flag and LED
No manual operator	X				
LED indication	L				

Specifications

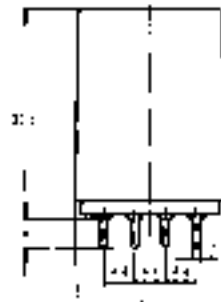
	Resistive	Inductive
Rated load	5A @ 240V AC/30V DC	2A 240V AC cos ϕ 0.4, 2.5A 30V DC L/R 40ms
Rated current	5A	
Maximum switching voltage	250V AC/125V DC	
Maximum switching capacity	1200VA/150W @ 30V DC, 40W @ 125V DC	480VA/75W @ 30V DC, 20W @ 125V DC
Operate time	10ms approx	
Release time	8ms approx	
Maximum operate frequency	1200 ops/hr at rated load, 18000 ops/hr mechanical capability	
Insulation resistance	1000 M Ω @ 500V DC	
Dielectric strength	2000V 50Hz between sets of contacts & coil to contacts, 760V 50Hz across contact gap	
Ambient operating temperature	-25° to +55°C (maximum temperatures -40°C to +70°C)	
Mechanical service life	10 million ops. minimum	
Electrical service life	100,000 ops at rated load	
Protection degree	IP 50	
Contact material	AgNi10+Au0.2	
Voltage range	75-110% AC, 70-110% DC	
Drop out voltage	20% AC 10% DC minimum	
Power consumption	1.1 to 1.39 VA AC, 0.9 W DC	
Coil wire insulation	Class B (130°C)	

Coil Data

Rated Voltage	AC Coils		DC Coils	
	Coil Resistance (Ω)	Rated Current (mA)	Coil Resistance (Ω)	Rated Current (mA)
12	52.3	102	160	75
24	197	51	640	38
48	766	26	2600	18
110	3800	13	13600	8
240	17400	6	–	–



PLUG IN



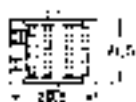
PRINTED CIRCUIT

4 Pole RY4

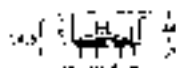


2 Pole RY2

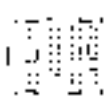
ZS15/4



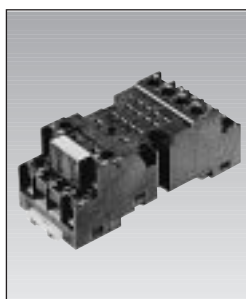
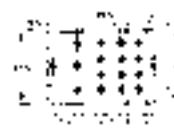
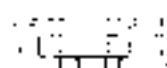
Panel mounting (solder connection) Relay Clip MZ15



ZC15/4



Printed circuit board mounting
Relay Clip MZ15



European style
screw connection

ZP14/4

Relay Clip-type
MP15