

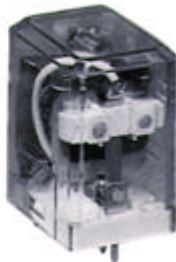
AUTOMATIC CONTROL PARTS

Power Relay

Item	Performance
Contact resistance	below 30m (initial value)
Insulation resistance	above 100M (DC 500V Meg)
Withstand voltage	between contacts : AC 1000V / 1min between charging part : AC 1500V / 1min and non - charging part : AC 1500V / 1min
Lift time	mechanical : above 3,000,000 times electrical : above 500,000 times
Power consumption	for AC : about 1.2VA for DC : about 0.9W
Operating time	below 20ms
Return time	below 20ms
Withstand vibration	10~55Hz double amplitude 1.0mm
Withstand impact	20G
Max. switching frequency	mechanical : 20times / min electrical : 20times / min
Ambient temperature	-10 +40
Weight	about 33g

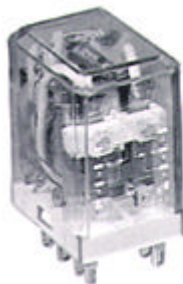


KSM-101S



KSM-101P

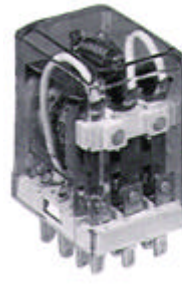
Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 10A AC 220V, 7A DC 24V, 10A	AC 110V, 3A AC 220V, 3A DC 24V, 3A
Carry current		10A
Max. switching capacity	AC 1540VA DC 168W	AC 660VA DC 72W
Max. switching current		10A



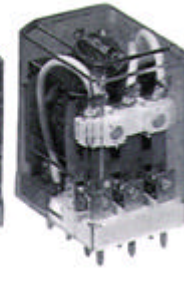
KSM-102S



KSM-102P



KSM-103S



KSM-103P

Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 5A AC 220V, 5A DC 24V, 5A	AC 110V, 2A AC 220V, 2A DC 24V, 2A
Carry current		5A
Max. switching capacity	AC 1100VA DC 120W	AC 440VA DC 48W
Max. switching current		5A

AUTOMATIC CONTROL PARTS

Power Relay



KSM-104S

KSM-104P

Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 3A AC 220V, 3A DC 24V, 3A	AC 110V, 2A AC 220V, 0.8A DC 24V, 1A
Carry current		3A
Max.switching capacity	AC 660VA DC 72W	AC 176VA DC 24W
Max.switching current		3A

Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 15A AC 220V, 10A	AC 110V, 10A AC 220V, 7A DC 24V, 10A
Carry current		15A



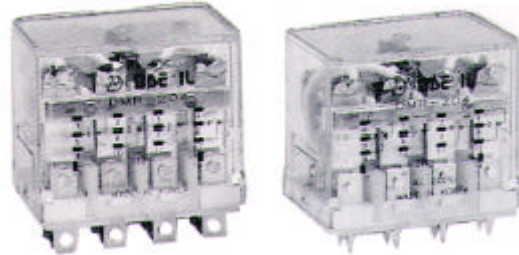
KSM-201S

KSM-201P



KSM-202S

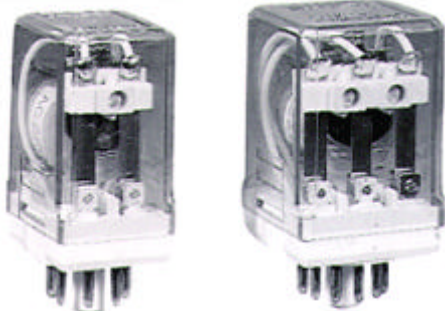
KSM-202P



KSM-204S

KSM-204P

Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 10A AC 220V, 7A	AC 110V, 7.5A AC 220V, 5A DC 24V, 7.5A
Carry current		10A
Max.switching capacity	AC 1650VA DC 240W	AC 1100VA DC 225W
Max.switching current		10A



KSM-302

KSM-303

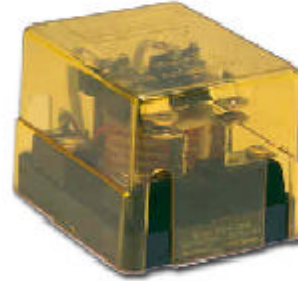
Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 10A AC 220V, 7.5A DC 24V, 7A	AC 110V, 7.5A AC 220V, 5A DC 24V, 7.5A

***Note : This is same KSM-202 and KSM-204 except Rated load.**

AUTOMATIC CONTROL PARTS

Power Relay

Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 110V, 30A DC 24V, 15A	AC 110V, 20A DC 24V, 7.5A
Carry current	30A	
Max.switching capacity	AC 500VA	DC 250V
Max.switching current	30A	



KSP-402



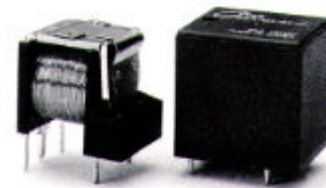
KSM-105

Item / Load	Resistive load (cos = 1)	Inductive load (cos = 0.4 L/R = 7ms)
Rated load	AC 125V, 10A DC 30V, 10A	AC 125V, 5A DC 30V, 5A
Carry current	10A	
Max.switching capacity	AC 1250VA	AC 625VA
Max.switching current	DC 300	DC 150W
		10A

Contact Spec	No contact Resistive load (cos = 1)	Inductive load (cos = 0.4)
1 Form A	30A	12A
1 Form C	20A	10A
	Nc contact Resistive load (cos = 1)	Inductive load (cos = 0.4)
1 Form A	-	-
1 Form C	15A	7A



KSM-106



KSM-108



KSM-107

Contact Spec	NResistive load (cos =1)	Inductive load (cos =0.4)
1 Form A	20A	10A
1 Form B (NC)	15A	7A
1 Form C	15A	7A