## **General Purpose Relay**

505 Series

## **Part Number Description**

12VAC 50/60 Hz 100/110VAC 50/60 Hz     24VAC 50/60 Hz 200/220VAC 50/60 Hz     220/240VAC 50/60 Hz       teral Specification       Contact Form     2C     4C       Contact Form     2C     4C       Contact Material     Ag alloy (24K gold plate)       Maximum Contact Resistance     50mΩ       Rated Current (Resistance Load)     2C     4C       7A     5A       Maximum Switching Current     7A     5A       Maximum Contact Capacity     DC     210W     150W       Maximum Rated Voltage     125VDC / 250VAC     120VDC       Minimum Switching Current *     100mA 5VDC     110VDC       Coil Voltage     12VDC     24VAC 50/60 Hz     220/240VAC 50/60 Hz       Coil Consumption     DC Coil : 0.9W ~ 1.1W     200/220VAC 50/60 Hz     220/240VAC 50/60 Hz       Coil Consumption     DC Coil : 0.9W ~ 1.1W     AC Coil : 0.9W ~ 1.1W     200/220VAC 50/60 Hz     220/240VAC 50/60 Hz       Maximum Drop-out Voltage     80% of Nominal Voltage DC     30% of Nominal Voltage DC     30% of Nominal Voltage AC       Operating Time     20ms     10% of Nominal Voltage AC     00MΩ min.(at 500VDC)     Etween Contact Points : 1,000Vrms 1 minute       Dicectric Strength     Between Contact Points : 1,000Vrms 1 minute     Between Contact Points : 1,000Vrms 1 minute  <	505 - 🛈	0							
12VAC 50/60 Hz     24VAC 50/60 Hz     220/240VAC 50/60 Hz       200/220VAC 50/60 Hz       200/2004C 50/60 Hz       200/2004C 50/00 Pa       4       Contact Form       2C     4C       Contact Form       Rated Current       (Resistance Load)       DC       210W       150W       Care 4C       Care 100       A       Care 4C       Care 4C       Care 4C <td< td=""><td>Contact Arrangem</td><td>ent 2</td><td>PL : 2C (LED)</td><td></td><td>4PL : 4C (LED)</td><td></td><td></td><td></td></td<>	Contact Arrangem	ent 2	PL : 2C (LED)		4PL : 4C (LED)				
100/110VAC 50/60 Hz     200/220VAC 50/60 Hz     220/240VAC 50/60 Hz       Reral Specification       Contact Form     2C     4C       Maximum Contact Resistance     50mΩ       Rated Current (Resistance Load)     2C     4C       Maximum Switching Current (Resistance Load)     2C     4C       Maximum Switching Current (Resistance Load)     2C     4C       Maximum Rated Voltage     1250VAC     5A 30VDC 7A 250VAC     5A       Maximum Rated Voltage     1250VDC / 250VAC     100VA       Maximum Rated Voltage     1250VDC / 250VAC     110VDC       Minimum Switching Current*     100/110VAC 50/60 Hz     200/220VAC 50/60 Hz       Coil Voltage     12VDC     24VDC     110VDC       Coil Consumption     DC Coil : 0.9W ~ 1.1W     200/220VAC 50/60 Hz     220/240VAC 50/60 Hz       Coil Consumption     DC Coil : 0.9W ~ 1.1W     AC coil : 0.9W ~ 1.1W     200/220VAC 50/60 Hz     220/240VAC 50/60 Hz       Minimum Pick Up Voltage     80% of Nominal Voltage     30% of Nominal Voltage AC     30% of Nominal Voltage AC       Operating Time     20ms     100MΩ min.(at 500VDC)     Insulation Resistance     100MΩ min.(at 500VDC)       Insulation Resistance     100MΩ min.(at 500VDC)     Entertonic: Min. 1,000,000     Itle Crycle     Mechanical : Min. 1,000,000       Itle Cry			2VDC				100/110	VDC	
Interal Specification       2C       4C         Contact Form       2C       4C         Contact Material       Ag alloy (24K gold plate)       4C         Maximum Contact Resistance       50m0       5A         Rated Current (Resistance Load)       2C       4C         Maximum Switching Current       7A       5A         Maximum Switching Current       7A       5A         Maximum Rated Voltage       1250/DC / 250/AC       1,2000/A         Maximum Switching Current *       100mA 5VDC       110VDC         Maximum Switching Current *       100mA 5VDC       110VDC         Minimum Switching Current *       100/A 5VDC       24/VDC       110VDC         Coil Voltage       12VDC       24/VDC       110VDC       20/240VAC 50/60 Hz         Minimum Switching Current *       100/110VAC 50/60 Hz       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Minimum Pick Up Voltage       80% of Nominal Voltage DC       30% of Nominal Voltage DC       30% of Nominal Voltage DC         Maximum Drop-out Voltage       100MS       100MQ min.(at 500VDC)       100MS       100MQ min.(at 500VDC)         Insulation Resistance       100MQ min.(at 500VDC)       Eleveen Contact Points : 1,000Vrms 1 minute       Between Contact Points : 1,000Vrms 1 minute		1	2VAC 50/60 Hz		24VAC 50/60	Hz			
Contact Form         2C         4C           Contact Material         Ag alloy (24K gold plate)            Maximum Contact Resistance         50mΩ            Rated Current (Resistance Load)         2C         4C           Maximum Switching Current         7A 30VDC         5A 30VDC           Maximum Switching Current         7A         5A           Maximum Contact Capacity         DC         210W         150W           Ac         1.750VA         1,200VA            Maximum Rated Voltage         125VDC / 250VAC         110VDC           Maximum Rated Voltage         12VDC         24VDC         110VDC           Goil Voltage         12VDC         24VDC         110VDC           Coil Voltage         00/110VAC 50/60 Hz         220/240VAC 50/60 Hz         220/240VAC 50/60 Hz           Inges         Coil Consumption         MC Coil : 0.9W ~ 1.1W         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz           Maximum Drop-out Voltage         80% of Nominal Voltage         100/110VAC 50/60 Hz         220/240VAC 50/60 Hz           Maximum Drop-out Voltage         10% of Nominal Voltage         30% of Nominal Voltage         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz           Insulation Resistance         20ms <t< td=""><td></td><td>1</td><td>00/110VAC 50/60</td><td>Hz</td><td>200/220VAC 5</td><td>50/60 Hz</td><td>220/240</td><td>VAC 50/60 Hz</td></t<>		1	00/110VAC 50/60	Hz	200/220VAC 5	50/60 Hz	220/240	VAC 50/60 Hz	
Contact Material       Ag alloy (24K gold plate)         Maximum Contact Resistance       50mΩ         Reted Current (Resistance Load)       2C       4C         Maximum Switching Current       7A 30VDC 7A 250VAC       5A 30VDC 5A 250VAC         Maximum Switching Current       7A       5A         Maximum Contact       DC AC       1,750VA       1,200VA         Maximum Rated Voltage       125VDC / 250VAC       1,200VA         Maximum Switching Current *       100mA 5VDC       110VDC         Maximum Switching Current *       100mA 5VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         OC Coil: 0.9V ~ 1.1W       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz       220/240VAC 50/60 Hz         Minimum Pick Up Voltage       80% of Nominal Voltage       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Maximum Drop-out Voltage       10% of Nominal Voltage DC       30% of Nominal Voltage       30% of Nominal Voltage         Insulation Resistance       100MQ min.(at 500VDC)       Insulation Resistance       100MQ min.(at 500VDC)         Insulation Resistant       10~55H2 (width of vibration 1.5mm)       40000       Insulation 1.500Vrms 1 minute         Between Contact Points and Coil : 1,500Vrms 1 minute       Between Contact Points and Coil : 1,500Vrms 1 minu	eneral Specifi	cation							
$\begin{tabular}{ c c c c c c } \hline \begin{tabular}{ c c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Contac	t Form		2C		4C			
Rated Current (Resistance Load)       2C       4C         Maximum Switching Current       7A       5A         Maximum Contact Capacity       DC       210W       150W         Maximum Rated Voltage       125VDC / 250VAC       100W         Maximum Rated Voltage       125VDC / 250VAC       110VDC         Minimum Switching Current *       100mA 5VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Consumption       DC Coil : 0.9W ~ 1.1W       220/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Maximum Drop-out Voltage       80% of Nominal Voltage       220/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Maximum Drop-out Voltage       80% of Nominal Voltage       30% of Nominal Voltage       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Dop-out Time       20ms       100MΩ min.(at 500VDC)       100MΩ       100MΩ min.(at 500VDC)       100MΩ         Insulation Resistance       100MΩ min.(at 500VDC)       Electronic : 10.000/Tms 1 minute       10 ~ 55H2 (with no icing)         Maximum Drop-out Time       20ms       100/S00/C       Electronic : Min. 200,000       Electronic : Min. 200,000       Electronic : Min. 200,000       100MC       10 ~ 55H2 (with no icing)	Contac	t Material		Ag alloy (24K gold plate)					
Rated Current (Resistance Load)       7A 30VDC 7A 250VAC       5A 30VDC 5A 250VAC         Maximum Switching Current       7A       5A         Maximum Contact Capacity       DC       210W       150W         Maximum Rated Voltage       125VDC / 250VAC       120VA         Maximum Rated Voltage       125VDC / 250VAC       110VDC         Minimum Switching Current *       100mA 5VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Voltage       12VDC       24VAC 50/60 Hz       220/240VAC 50/60 Hz         100/110VAC 50/60 Hz       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz       220/240VAC 50/60 Hz         Minimum Pick Up Voltage       80% of Nominal Voltage       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Maximum Drop-out Voltage       10% of Nominal Voltage DC       30% of Nominal Voltage AC       30% of Nominal Voltage AC         Dop-out Time       20ms       100MΩ min.(at 500VDC)       Insulation Resistance       100MΩ min.(at 500VDC)       Encenter Final AC         Insulation Resistance       100MΩ min.(at 500VDC)       Electronic Xin. 200,000       Electronic Xin. 200,000       Electronic Xin. 200,000         Vibration Resistant       10 ~ 55H2 (width of vibration 1.5mm)       Amient Temperature       -35 ~ +55°C (with no icing)	Maxim	um Contact I	Resistance	50mΩ					
(Resistance Load)       7A 30VDC 7A 250VAC       5A 30VDC 5A 250VAC         Maximum Switching Current       7A       5A         Maximum Contact Capacity       DC       150W         Maximum Rated Voltage       125VDC / 250VAC       120VA         Maximum Rated Voltage       125VDC / 250VAC       110VDC         Minimum Switching Current*       100mA 5VDC       100mA 5VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Voltage       DC Coil : 0.9W ~ 1.1W       220/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Minimum Pick Up Voltage       80% of Nominal Voltage DC       30% of Nominal Voltage DC       30% of Nominal Voltage AC         Maximum Drop-out Voltage       100MΩ min.(at 500VDC)       Insulation Resistance       100MΩ min.(at 500VDC)       Insulation Resistance       100MΩ min.(at 500VDC)         Insulation Resistance       100MΩ min.(at 500VDC)       Electronic : Min. 1,000,000       Electronic : Min. 200,000       Insulation Resistance       10~ 55Hz (width of vibration 1.5mm)         Maximum Temperature       -35 ~ +55°C (with no icing)       -35 ~ +55°C (with no icing)       -35 ~ +55°C (with no icing)	Rated	d Curront		2C		4C			
Maximum Switching Current       /A       5A         Maximum Contact Capacity       DC       210W       150W         Maximum Rated Voltage       1,750VA       1,200VA         Maximum Rated Voltage       125VDC / 250VAC       1         Minimum Switching Current *       100mA 5VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Voltage       DC Coil : 0.9W ~ 1.1W       220/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Maximum Drop-out Voltage       80% of Nominal Voltage       200/220VAC 50/60 Hz       220/240VAC 50/60 Hz         Maximum Drop-out Voltage       80% of Nominal Voltage DC       30% of Nominal Voltage AC       90%         Operating Time       20ms       90%       90%       90%       90%         Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute       90%       90%         Between Contact Points and Coil : 1,500Vrms 1 minute       90%       90%       90%       90%       90%         Insulation Resistant       10 ~ 55Hz (width of vibration 1.5mm)       40%       90%       90%       90%       90%         Maximum Drop-out Time	Contact (Resist								
Capacity       AC       1,750VA       1,200VA         Maximum Rated Voltage       125VDC / 250VAC       1200VA         Minimum Switching Current*       100mA 5VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Voltage       12VDC       24VDC       110VDC         Coil Consumption       DC Coil : 0.9W ~ 1.1W       200/220VAC 50/60 Hz       200/220VAC 50/60 Hz       200/220VAC 50/60 Hz         Minimum Pick Up Voltage       80% of Nominal Voltage       10% of Nominal Voltage DC       30% of Nominal Voltage AC         Maximum Drop-out Voltage       10% of Nominal Voltage AC       90ms       90ms         Drop-out Time       20ms       90ms       90ms         Insulation Resistance       100MΩ min.(at 500VDC)       90ms       90ms         Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute       90ms         Life Cycle       Mechanical : Min. 1,000,000       90ms       90ms         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)       90ms       90ms         Methanical : Min. 1,000,000       Electronic : Min. 200,000       90ms       90ms         Minimum Pick Up Voltage       30% ~ 80% RH       90% ~ 80% RH       90% ~ 80% RH       90% ~ 80% RH	atings Maxim	Maximum Switching Current		7A		5A			
Maximum Rated Voltage         1,750/A         1,250/A           Maximum Rated Voltage         125VDC / 250VAC           Minimum Switching Current *         100mA 5VDC           12VDC         24VDC         110VDC           Coil Voltage         12VAC 50/60 Hz         24VAC 50/60 Hz         220/240VAC 50/60 Hz           100/110VAC 50/60 Hz         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz         220/240VAC 50/60 Hz           Coil Consumption         DC Coil : 0.9V ~ 1.1W         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz           Maximum Drop-out Voltage         80% of Nominal Voltage DC         30% of Nominal Voltage AC         30% of Nominal Voltage AC           Operating Time         20ms         100MΩ min.(at 500VDC)         100MΩ min.(at 500VDC)         100MΩ min.(at 500VDC)           Insulation Resistance         100MΩ min.(at 500VDC)         8etween Contact Points : 1,000Vrms 1 minute         8etween Contact Points : 1,500Vrms 1 minute           Dielectric Strength         Between Contact Points and Coil : 1,500Vrms 1 minute         10 ~ 55Hz (width of vibration 1.5mm)           Vibration Resistant         10 ~ 55Hz (width of vibration 1.5mm)         -           Ambient Temperature         -35 ~ +55°C (with no icing)         -           Ambient Humidity         30% ~ 80% RH         -         -	Maxim	um Contact	DC	210W		150W			
Minimum Switching Current *         100mA SVDC           Coil Voltage         12VDC         24VDC         110VDC           Coil Voltage         12VAC 50/60 Hz         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz           Coil Consumption         DC Coil : 0.9W ~ 1.1W         220/220VAC 50/60 Hz         220/240VAC 50/60 Hz           Minimum Pick Up Voltage         80% of Nominal Voltage             Maximum Drop-out Voltage         10% of Nominal Voltage DC             Maximum Drop-out Voltage         20ms              Drop-out Time         20ms               Dielectric Strength         Between Contact Points : 1,000Vrms 1 minute                Life Cycle         Mechanical : Min. 1,000,000	Capaci	ty	AC	1,750VA		1,200VA			
Coil Voltage         12VDC         24VDC         110VDC           12VAC 50/60 Hz         24VAC 50/60 Hz         220/240VAC 50/60 Hz         220/240VAC 50/60 Hz           100/110VAC 50/60 Hz         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz         220/240VAC 50/60 Hz           Coil Consumption         DC Coil : 0.9W ~ 1.1W         200/220VAC 50/60 Hz         220/240VAC 50/60 Hz         220/240VAC 50/60 Hz           Minimum Pick Up Voltage         80% of Nominal Voltage DC         30% of Nominal Voltage DC         30% of Nominal Voltage AC           Maximum Drop-out Voltage         10% of Nominal Voltage AC         00         100MΩ min.(at 500VDC)         100MΩ min.(at 500VDC)           Insulation Resistance         100MΩ min.(at 500VDC)         Between Contact Points : 1,000Vrms 1 minute         10000           Life Cycle         Mechanical : Min. 1,000,000         Electronic : Min. 200,000         10 ~ 55Hz (width of vibration 1.5mm)         4mbient Temperature         -35 ~ +55°C (with no icing)           Ambient Temperature         -35 ~ +55°C (with no icing)         30% ~ 80% RH         50% ~ 80% RH         5	Maxim	Maximum Rated Voltage		125VDC / 250VAC					
Coil Voltage12VAC 50/60 Hz24VAC 50/60 Hz220/240VAC 50/60 Hz100/110VAC 50/60 Hz200/220VAC 50/60 Hz220/240VAC 50/60 Hz220/240VAC 50/60 HzIning Coll ConsumptionDC Coil : 0.9W ~ 1.1WDC Coil : 0.9W ~ 1.2VA (60Hz)Imimum Pick Up Voltage80% of Nominal VoltageMaximum Drop-out Voltage80% of Nominal Voltage DC30% of Nominal Voltage ACImimum Pick Up VoltageOperating Time20msImimum Pick Up VoltageImimum Pick Up VoltageDrop-out Time20msImimum Pick Up VoltageImimum Pick Up VoltageDisulation Resistance100/00 Mini.(at 500VDC)Imimum Pick Up VoltageImimum Pick Up VoltageDielectric StrengthBetween Contact Points : 1,000Vrms 1 minuteImimum Pick Up VoltageLife CycleMechanical : Min. 1,000,000Imimum Pick Up VoltageVibration Resistant10 ~ 55Hz (width of vibration 1.5mm)Imimum Pick Up VoltageAmbient Temperature-35 ~ +55°C (with no icing)Imimum Pick Up VoltageAmbient Humidity30% ~ 80% RHImimum Pick Up Voltage	Minimu	um Switching	g Current *	100mA 5	VDC				
Initiangs100/110VAC 50/60 Hz200/220VAC 50/60 Hz220/240VAC 50/60 HzCoil ConsumptionDC Coil : 0.9W ~ 1.1WAC Coil : 0.9VA ~ 1.2VA (60Hz)Minimum Pick Up Voltage80% of Nominal VoltageMaximum Drop-out Voltage10% of Nominal Voltage DC30% of Nominal Voltage AC30% of Nominal Voltage ACOperating Time20msDrop-out Time20msInsulation Resistance100MΩ min.(at 500VDC)Dielectric StrengthBetween Contact Points : 1,000Vrms 1 minuteBetween Contact Points and Coil : 1,500Vrms 1 minuteLife CycleMechanical : Min. 1,000,000Vibration Resistant10 ~ 55Hz (width of vibration 1.5mm)Ambient Temperature-35 ~ +55°C (with no icing)Ambient Humidity30% ~ 80% RH				12VDC		24VDC		110VDC	
Lings         DC Coil : 0.9W ~ 1.1W           AC Coil : 0.9VA ~ 1.2VA (60Hz)           Minimum Pick Up Voltage         80% of Nominal Voltage           Maximum Drop-out Voltage         10% of Nominal Voltage DC           30% of Nominal Voltage AC         30% of Nominal Voltage AC           Operating Time         20ms           Drop-out Time         20ms           Insulation Resistance         100MΩ min.(at 500VDC)           Dielectric Strength         Between Contact Points : 1,000Vrms 1 minute           Between Contact Points and Coil : 1,500Vrms 1 minute         Between Contact Points and Coil : 1,500Vrms 1 minute           Life Cycle         Mechanical : Min. 1,000,000           Vibration Resistant         10 ~ 55Hz (width of vibration 1.5mm)           Ambient Temperature         -35 ~ +55°C (with no icing)           Ambient Humidity         30% ~ 80% RH	Coil Vo	Coil Voltage		12VAC 50/60 Hz		24VAC 50/60 Hz			
Coil ConsumptionAC Coil : 0.9VA ~ 1.2VA (60Hz)Minimum Pick Up Voltage80% of Nominal VoltageMaximum Drop-out Voltage10% of Nominal Voltage DCMaximum Drop-out Voltage20msOperating Time20msDrop-out Time20msInsulation Resistance100MΩ min.(at 500VDC)Dielectric StrengthBetween Contact Points : 1,000Vrms 1 minuteDielectric StrengthMechanical : Min. 1,000,000Life CycleMechanical : Min. 1,000,000Vibration Resistant10 ~ 55Hz (width of vibration 1.5mm)Ambient Temperature-35 ~ +55°C (with no icing)Ambient Humidity30% ~ 80% RH				100/110VAC 50/60 Hz		200/220VAC 50/	60 Hz	220/240VAC 50/60 Hz	
Minimum Pick Up Voltage       80% of Nominal Voltage         Maximum Drop-out Voltage       10% of Nominal Voltage DC         30% of Nominal Voltage AC       30% of Nominal Voltage AC         Operating Time       20ms         Drop-out Time       20ms         Insulation Resistance       100MΩ min.(at 500VDC)         Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute         Between Contact Points and Coil : 1,500Vrms 1 minute         Itife Cycle       Mechanical : Min. 1,000,000         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)         Ambient Temperature       -35 ~ +55°C (with no icing)         Ambient Humidity       30% ~ 80% RH	oil	oil Consumption		DC Coil : 0.9W ~ 1.1W					
Maximum Drop-out Voltage       10% of Nominal Voltage DC         30% of Nominal Voltage AC         Operating Time       20ms         Drop-out Time       20ms         Insulation Resistance       100MΩ min.(at 500VDC)         Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute         Dielectric Strength       Between Contact Points and Coil : 1,500Vrms 1 minute         Elfe Cycle       Mechanical : Min. 1,000,000         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)         Ambient Temperature       -35 ~ +55°C (with no icing)         Ambient Humidity       30% ~ 80% RH	atings			AC Coil : 0.9VA ~ 1.2VA (60Hz)					
Maximum Drop-out Voltage       30% of Nominal Voltage AC         30% of Nominal Voltage AC       20ms         Drop-out Time       20ms         Insulation Resistance       100MΩ min.(at 500VDC)         Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute         Dielectric Strength       Between Contact Points and Coil : 1,500Vrms 1 minute         Life Cycle       Mechanical : Min. 1,000,000         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)         Ambient Temperature       -35 ~ +55°C (with no icing)         Ambient Humidity       30% ~ 80% RH	Minimu	Minimum Pick Up Voltage			80% of Nominal Voltage				
30% of Nominal Voltage AC       Operating Time     20ms       Drop-out Time     20ms       Insulation Resistance     100MΩ min.(at 500VDC)       Dielectric Strength     Between Contact Points : 1,000Vrms 1 minute       Between Contact Points and Coil : 1,500Vrms 1 minute       Between Contact Points and Coil : 1,500Vrms 1 minute       Life Cycle     Mechanical : Min. 1,000,000       Vibration Resistant     10 ~ 55Hz (width of vibration 1.5mm)       Ambient Temperature     -35 ~ +55°C (with no icing)       Ambient Humidity     30% ~ 80% RH		Maximum Dran and Maltana		10% of Nominal Voltage DC					
Drop-out Time       20ms         Insulation Resistance       100MΩ min.(at 500VDC)         Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute         Between Contact Points and Coil : 1,500Vrms 1 minute         Life Cycle       Mechanical : Min. 1,000,000         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)         Ambient Temperature       -35 ~ +55°C (with no icing)         Ambient Humidity       30% ~ 80% RH	Maxim	um prop-out	voltage	30% of Nominal Voltage AC					
Insulation Resistance100MΩ min.(at 500VDC)Between Contact Points : 1,000Vrms 1 minuteDielectric StrengthBetween Contact Points and Coil : 1,500Vrms 1 minuteBetween Contact Points and Coil : 1,500Vrms 1 minuteBetween Contact Points and Coil : 1,500Vrms 1 minuteLife CycleMechanical : Min. 1,000,000Vibration Resistant10 ~ 55Hz (width of vibration 1.5mm)Ambient Temperature-35 ~ +55°C (with no icing)Ambient Humidity30% ~ 80% RH	Operating Time			20ms					
Dielectric Strength       Between Contact Points : 1,000Vrms 1 minute         Between Contact Points and Coil : 1,500Vrms 1 minute         Between Contact Points and Coil : 1,500Vrms 1 minute         Life Cycle       Mechanical : Min. 1,000,000         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)         Ambient Temperature       -35 ~ +55°C (with no icing)         Ambient Humidity       30% ~ 80% RH	Drop-o	out Time	20ms		ims				
Dielectric Strength     Between Contact Points and Coil : 1,500Vrms 1 minute       neral     Mechanical : Min. 1,000,000       Life Cycle     Electronic : Min. 200,000       Vibration Resistant     10 ~ 55Hz (width of vibration 1.5mm)       Ambient Temperature     -35 ~ +55°C (with no icing)       Ambient Humidity     30% ~ 80% RH	Insulat	Insulation Resistance		100MΩ min.(at 500VDC)					
Between Contact Points and Coil : 1,500Vrms 1 minute         Mechanical : Min. 1,000,000         Electronic : Min. 200,000         Vibration Resistant       10 ~ 55Hz (width of vibration 1.5mm)         Ambient Temperature       -35 ~ +55°C (with no icing)         Ambient Humidity       30% ~ 80% RH		Dielectric Strength		Between Contact Points : 1,000Vrms 1 minute					
Life Cycle         Mechanical : Min. 1,000,000           Vibration Resistant         10 ~ 55Hz (width of vibration 1.5mm)           Ambient Temperature         -35 ~ +55°C (with no icing)           Ambient Humidity         30% ~ 80% RH									
Electronic : Min. 200,000Vibration Resistant10 ~ 55Hz (width of vibration 1.5mm)Ambient Temperature-35 ~ +55°C (with no icing)Ambient Humidity30% ~ 80% RH	ieneral Ratings Life Cv	Life Cycle		Mechanical : Min. 1,000,000					
Ambient Temperature-35 ~ +55°C (with no icing)Ambient Humidity30% ~ 80% RH	LITE Cy			Electronic : Min. 200,000					
Ambient Humidity     30% ~ 80% RH	Vibrati	Vibration Resistant			10 ~ 55Hz (width of vibration 1.5mm)				
	Ambier	Ambient Temperature		-35 ~ +55°C (with no icing)					
Weight Approx. 35g	Ambier	nt Humidity		30% ~ 80	% RH				
	Weight	t		Approx. 3	5g				

☞ Please refer to the attention section.

Specifications and materials can be changed without prior notice for the enhancement of the quality.
 The minimum switching current is indicated as a standard value. The actual minimum Switching rate is variable factor according to the make and break frequency, environmental condition and anticipated credibility level. Therefore, it is recommended that tests be done to test actual load value before the production process.

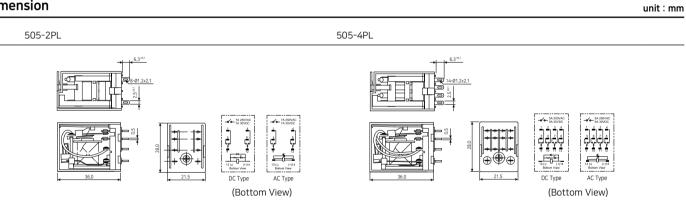
| - 14



## **Product Selection**

	Contact Form	Socket	Rated Voltage	Part Number	Weight (g)
	2Pole (2C)	KPY2 KPY22	220VAC	505-2PL 220VAC	35g
		KMY2 KMY2C	110VAC	505-2PL 110VAC	35g
		KMY2Q KY08 (For soldering) KY008 02 (For D.C. Doord)	24VAC	505-2PL 24VAC	35g
		KY08-02 (For P.C Board)	110VDC	505-2PL 110VDC	35g
			24VDC	505-2PL 24VDC	35g
			12VDC	505-2PL 12VDC	35g
	4Pole (4C)	KPY4 KPY41 KMY4 KMY4C KMY4Q KMY4S KY14 (For soldering) KY14-02 (For P.C Board)	220VAC	505-4PL 220VAC	35g
			110VAC	505-4PL 110VAC	35g
			24VAC	505-4PL 24VAC	35g
			110VDC	505-4PL 110VDC	35g
			24VDC	505-4PL 24VDC	35g
			12VDC	505-4PL 12VDC	35g

## Dimension



Refer to the socket drawings at page I -31

