

# General Purpose Relay

## HR705 Series



### Part Number Description

HR705 - ① ② ③ ④

|                       |                                              |                     |                                                                   |                     |
|-----------------------|----------------------------------------------|---------------------|-------------------------------------------------------------------|---------------------|
| ① Contact Arrangement | 1P : 1N/O + 1N/C (Option)                    | 2P : 2N/O + 2N/C    | 3P : 3N/O + 3N/C (Option)                                         | 4P : 4N/O + 4N/C    |
| ② Mounting & Terminal | No mark : Socket-plug-in, Solder             |                     | P : PC Board-pin                                                  |                     |
| ③ Option              | No mark : Standard                           |                     | L : LED indicator ( DC Coil : green, AC Coil : red )              |                     |
|                       | LD : LED indicator + freewheeling Diode (DC) |                     | LC : LED indicator<br>+ Built-in the Surge Adsorbent Circuit (AC) |                     |
| ④ Coil voltage        | 12VDC                                        | 24VDC               | 100/110VDC                                                        |                     |
|                       | 12VAC 50/60 Hz                               | 24VAC 50/60 Hz      |                                                                   |                     |
|                       | 100/110VAC 50/60 Hz                          | 110/120VAC 50/60 Hz | 200/220VAC 50/60 Hz                                               | 220/240VAC 50/60 Hz |

### General Specification

|                             |                                 |                           |                                                      |  |                       |  |                                            |  |
|-----------------------------|---------------------------------|---------------------------|------------------------------------------------------|--|-----------------------|--|--------------------------------------------|--|
| Contact Ratings             | Contact Form                    |                           | 2N/O + 2N/C                                          |  | 4N/O + 4N/C           |  |                                            |  |
|                             | Contact Material                |                           | Ag alloy (24K gold plate)                            |  |                       |  |                                            |  |
|                             | Maximum Contact Resistance      |                           | Max. 50mΩ                                            |  |                       |  |                                            |  |
|                             | Rated Current (Resistance Load) |                           | 2N/O + 2N/C                                          |  | 4N/O + 4N/C           |  |                                            |  |
|                             |                                 |                           | 5A 24VDC<br>5A 240VAC                                |  | 5A 24VDC<br>5A 240VAC |  |                                            |  |
|                             | Maximum Switching Current       |                           | 5A                                                   |  | 5A                    |  |                                            |  |
|                             | Maximum Rated Voltage           |                           | 125VDC / 250VAC                                      |  |                       |  |                                            |  |
| Minimum Switching Current * |                                 |                           | 100mA 5VDC                                           |  |                       |  |                                            |  |
| Coil Ratings                | Coil Voltage                    |                           | 12VDC                                                |  | 24VDC                 |  | 100/110VDC                                 |  |
|                             |                                 |                           | 12VAC 50/60 Hz                                       |  | 24VAC 50/60 Hz        |  |                                            |  |
|                             |                                 |                           | 100/110VAC 50/60 Hz                                  |  | 110/120VAC 50/60 Hz   |  | 200/220VAC 50/60 Hz    220/240VAC 50/60 Hz |  |
|                             | Coil Consumption                |                           | DC Coils : Approx. 0.9W                              |  |                       |  |                                            |  |
|                             |                                 |                           | AC Coils : Approx. 0.9VA                             |  |                       |  |                                            |  |
|                             | Minimum Pick-up Voltage         |                           | 80% of Nominal Voltage                               |  |                       |  |                                            |  |
| Maximum Drop-out Voltage    |                                 | 10% of Nominal Voltage DC |                                                      |  |                       |  |                                            |  |
|                             |                                 | 30% of Nominal Voltage AC |                                                      |  |                       |  |                                            |  |
| General Ratings             | Operating Time                  | Maximum Pick-up           | 20ms                                                 |  |                       |  |                                            |  |
|                             |                                 | Minimum Drop-out          | 20ms                                                 |  |                       |  |                                            |  |
|                             | Insulation Resistance           |                           | 100MΩ 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                          |  |                       |  |                                            |  |
|                             |                                 |                           | Electrical : Min. 100,000                            |  |                       |  |                                            |  |
|                             | Vibration Resistant             |                           | 10 ~ 55Hz (width of Vibration 1.5mm)                 |  |                       |  |                                            |  |
|                             | Ambient Temperature             |                           | -35 ~ +55°C (with no icing)                          |  |                       |  |                                            |  |
| Ambient Humidity            |                                 | 35% ~ 80% RH              |                                                      |  |                       |  |                                            |  |
| Weight                      |                                 | Approx. 33g               |                                                      |  |                       |  |                                            |  |

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.

## Product Selection

|                                                                                  | Contact Form            | Socket          | Rated Voltage | Part Number      |                  |                                                     | Weight (g) |
|----------------------------------------------------------------------------------|-------------------------|-----------------|---------------|------------------|------------------|-----------------------------------------------------|------------|
|                                                                                  |                         |                 |               | Non-Illumination | Illumination     | Illumination Surge Absorption Circuit <sup>1)</sup> |            |
|  | 2 Pole<br>(2N/O + 2N/C) | KMY2            | 220VAC        | HR705-2P 220VAC  | HR705-2PL 220VAC | HR705-2PLC 220VAC                                   | 33g        |
|                                                                                  |                         | KY08            | 110VAC        | HR705-2P 110VAC  | HR705-2PL 110VAC |                                                     | 33g        |
|                                                                                  |                         | (For soldering) | 24VAC         | HR705-2P 24VAC   | HR705-2PL 24VAC  |                                                     | 33g        |
|                                                                                  |                         | KY08-02         | 110VDC        | HR705-2P 110VDC  | HR705-2PL 110VDC |                                                     | 33g        |
|                                                                                  |                         | (For P.C Board) | 24VDC         | HR705-2P 24VDC   | HR705-2PL 24VDC  | HR705-2PLD 24VDC                                    | 33g        |
|                                                                                  |                         |                 | 12VDC         | HR705-2P 12VDC   | HR705-2PL 12VDC  |                                                     | 33g        |
|                                                                                  |                         |                 |               |                  |                  |                                                     |            |
|  | 4 Pole<br>(4N/O + 4N/C) | KMY4            | 220VAC        | HR705-4P 220VAC  | HR705-4PL 220VAC | HR705-4PLC 220VAC                                   | 33g        |
|                                                                                  |                         | KMY4S           | 110VAC        | HR705-4P 110VAC  | HR705-4PL 110VAC |                                                     | 33g        |
|                                                                                  |                         | KY14            | 24VAC         | HR705-4P 24VAC   | HR705-4PL 24VAC  |                                                     | 33g        |
|                                                                                  |                         | (For soldering) | 110VDC        | HR705-4P 110VDC  | HR705-4PL 110VDC |                                                     | 33g        |
|                                                                                  |                         | KY14-02         | 24VDC         | HR705-4P 24VDC   | HR705-4PL 24VDC  | HR705-4PLD 24VDC                                    | 33g        |
|                                                                                  |                         | (For P.C Board) | 12VDC         | HR705-4P 12VDC   | HR705-4PL 12VDC  |                                                     | 33g        |
|                                                                                  |                         |                 |               |                  |                  |                                                     |            |

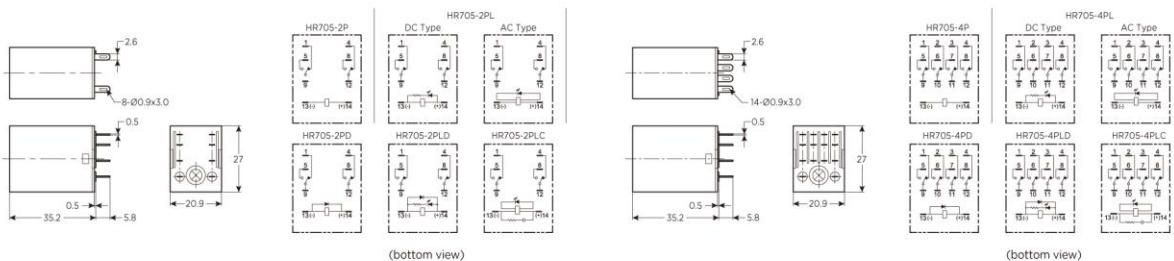
Data Processing

## Dimension

(mm)

HR705-2P Series

HR705-4P Series



- HR705 surge absorption circuit models contain a circuit to absorb with coil surge absorption diodes, and models with coil surge absorption varistor circuits were used in

It is suitable to apply where malfunctioning or disturbances are likely to happen in such devices as PLC.

- In case where relay Contact point (PLC relay output card) is tracked, damages on Contact points of other tracking devices are reduced by absorbing surge and it is possible to use high priced equipment for a long period of time.

<sup>1)</sup> Refer to the socket drawings at page III - 23

# General Purpose Relay

## HR710 Series



### Part Number Description

HR710 - ① ② ③ ④

|                       |                                              |                     |                                                                   |
|-----------------------|----------------------------------------------|---------------------|-------------------------------------------------------------------|
| ① Contact Arrangement | 1P : 1N/O + 1N/C                             | 2P : 2N/O + 2N/C    | 4P : 4N/O + 4N/C                                                  |
| ② Mounting & Terminal | No mark : Blade-Style, Solder                |                     | P : PC Board-pin (option)                                         |
| ③ Option              | No mark : Standard                           |                     | L : LED indicator ( DC Coil : green, AC Coil : red )              |
|                       | LD : LED indicator + freewheeling Diode (DC) |                     | LC : LED indicator<br>+ Built-in the Surge Adsorbent Circuit (AC) |
| ④ Coil Voltage        | 12VDC                                        | 24VDC               | 100/110VDC                                                        |
|                       | 12VAC 50/60 Hz                               | 24VAC 50/60 Hz      |                                                                   |
|                       | 100/110VAC 50/60 Hz                          | 110/120VAC 50/60 Hz | 200/220VAC 50/60 Hz      220/240VAC 50/60 Hz                      |

### General Specification

|                             |                                     |                                                             |                         |                     |                     |
|-----------------------------|-------------------------------------|-------------------------------------------------------------|-------------------------|---------------------|---------------------|
| Contact Ratings             | Contact Form                        | 1N/O + 1N/C                                                 | 2N/O + 2N/C             | 4N/O + 4N/C         |                     |
|                             | Contact Material                    | Ag alloy (24K gold plate)                                   |                         |                     |                     |
|                             | Maximum Contact Resistance          | 50mΩ                                                        |                         |                     |                     |
|                             | Rated Current<br>(Resistance Load)  | 1N/O + 1N/C                                                 | 2N/O + 2N/C             | 4N/O + 4N/C         |                     |
|                             |                                     | 15A 24VDC<br>15A 220VAC                                     | 10A 24VDC<br>10A 220VAC |                     |                     |
|                             | Maximum Switching Current           | 15A                                                         | 10A                     |                     |                     |
|                             | Maximum Rated Voltage               | 125VDC / 250VAC                                             |                         |                     |                     |
| Minimum Switching Current * |                                     | 100mA 5VDC                                                  |                         |                     |                     |
| Coil Ratings                | Coil Voltage                        | 12VDC                                                       | 24VDC                   | 100/110VDC          |                     |
|                             |                                     | 12VAC 50/60 Hz                                              | 24VAC 50/60 Hz          |                     |                     |
|                             |                                     | 100/110VAC 50/60 Hz                                         | 110/120VAC 50/60 Hz     | 200/220VAC 50/60 Hz | 220/240VAC 50/60 Hz |
|                             | Coil Consumption                    | 1P, 2P DC Coil = Approx. 0.9W / 4P DC Coil = Approx. 1.5W   |                         |                     |                     |
|                             |                                     | 1P, 2P AC Coil = Approx. 1.2VA / 4P AC Coil = Approx. 2.5VA |                         |                     |                     |
|                             | Minimum Pick-up Voltage             | 80% of Nominal                                              |                         |                     |                     |
|                             | Maximum Drop Out Voltage            | 10% of Nominal Voltage DC                                   |                         |                     |                     |
| 30% of Nominal Voltage AC   |                                     |                                                             |                         |                     |                     |
| General Ratings             | Operating Time                      | Maximum Pick-up                                             | 25ms                    |                     |                     |
|                             |                                     | Minimum Drop-out                                            | 25ms                    |                     |                     |
|                             | Insulation Resistance               | 100MΩ 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                                 |                         |                     |                     |
|                             |                                     | Electrical : Min. 100,000                                   |                         |                     |                     |
|                             | Vibration Resistant                 | 10 ~ 55Hz (width of vibration 1.5mm)                        |                         |                     |                     |
|                             | Ambient Temperature                 | -25 ~ + 55°C (with no icing)                                |                         |                     |                     |
|                             | Ambient Humidity                    | 35% ~ 80% RH                                                |                         |                     |                     |
| Weight                      | 2P : Approx. 33g , 4P : Approx. 65g |                                                             |                         |                     |                     |

☞ 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.

## Product Selection

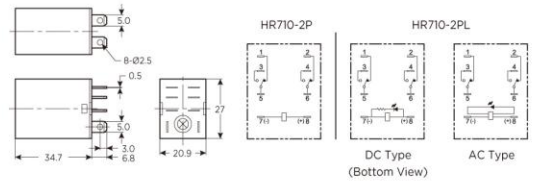
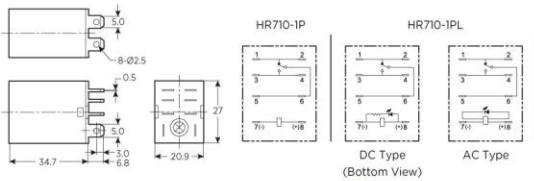
|                                                                                  | Contact Form            | Socket                                                       | Rated Voltage | Part Number      |                  | Illumination Surge Absorption Circuit | Weight (g) |
|----------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------|---------------|------------------|------------------|---------------------------------------|------------|
|                                                                                  |                         |                                                              |               | Non-Illumination | Illumination     |                                       |            |
|  | 1 Pole<br>(1N/O + 1N/C) |                                                              | 220VAC        | HR710-1P 220VAC  | HR710-1PL 220VAC | HR710-1PLC 220VAC                     | 33g        |
|                                                                                  |                         |                                                              | 110VAC        | HR710-1P 110VAC  | HR710-1PL 110VAC |                                       | 33g        |
|                                                                                  |                         |                                                              | 24VAC         | HR710-1P 24VAC   | HR710-1PL 24VAC  |                                       | 33g        |
|                                                                                  |                         |                                                              | 110VDC        | HR710-1P 110VDC  | HR710-1PL 110VDC |                                       | 33g        |
|                                                                                  |                         |                                                              | 24VDC         | HR710-1P 24VDC   | HR710-1PL 24VDC  | HR710-1PLD 24VDC                      | 33g        |
|                                                                                  |                         |                                                              | 12VDC         | HR710-1P 12VDC   | HR710-1PL 12VDC  |                                       | 33g        |
|  | 2 Pole<br>(2N/O + 2N/C) | KLY2<br>KT08<br>(For soldering)<br>KY08-0<br>(For P.C Board) | 220VAC        | HR710-2P 220VAC  | HR710-2PL 220VAC | HR710-2PLC 220VAC                     | 33g        |
|                                                                                  |                         |                                                              | 110VAC        | HR710-2P 110VAC  | HR710-2PL 110VAC |                                       | 33g        |
|                                                                                  |                         |                                                              | 24VAC         | HR710-2P 24VAC   | HR710-2PL 24VAC  |                                       | 33g        |
|                                                                                  |                         |                                                              | 110VDC        | HR710-2P 110VDC  | HR710-2PL 110VDC |                                       | 33g        |
|                                                                                  |                         |                                                              | 24VDC         | HR710-2P 24VDC   | HR710-2PL 24VDC  | HR710-2PLD 24VDC                      | 33g        |
|                                                                                  |                         |                                                              | 12VDC         | HR710-2P 12VDC   | HR710-2PL 12VDC  |                                       | 33g        |
|  | 4 Pole<br>(4N/O + 4N/C) | KLY4<br>KTF14A                                               | 220VAC        |                  | HR710-4PL 220VAC | HR710-4PLC 220VAC                     | 65g        |
|                                                                                  |                         |                                                              | 110VAC        |                  | HR710-4PL 110VAC |                                       | 65g        |
|                                                                                  |                         |                                                              | 24VAC         |                  | HR710-4PL 24VAC  |                                       | 65g        |
|                                                                                  |                         |                                                              | 110VDC        |                  | HR710-4PL 110VDC |                                       | 65g        |
|                                                                                  |                         |                                                              | 24VDC         |                  | HR710-4PL 24VDC  | HR710-4PLD 24VDC                      | 65g        |
|                                                                                  |                         |                                                              | 12VDC         |                  | HR710-4PL 12VDC  |                                       | 65g        |

## Dimension

(mm)

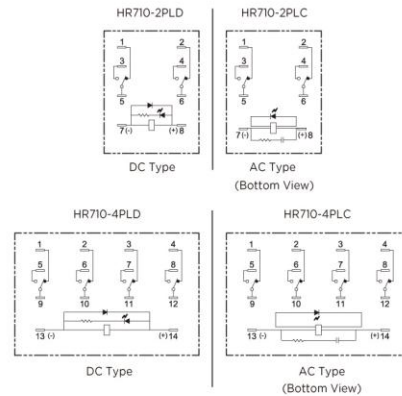
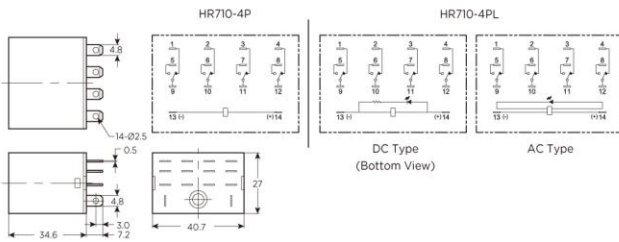
HR710-1P Series

HR710-2P Series



HR710-4P Series

HR710 (Surge Absorption type)



• HR710 surge absorption contains a circuit to absorb with coil surge absorption diodes, and models with coil surge absorption varistor circuits were used in. It is suitable to apply where malfunctioning or disturbances are likely to happen in such devices as PLC.

• In case where relay contact (PLC relay output card) is tracked, damages on contacts of other tracking devices are reduced by absorbing surge and it is possible to use high priced equipment for a long period of time.

# General Purpose Relay

## HR707N Series



### Part Number Description

HR707N

- ① ② ③ ④

|                       |                                                     |                  |                                                                   |                     |                     |
|-----------------------|-----------------------------------------------------|------------------|-------------------------------------------------------------------|---------------------|---------------------|
| ① Contact Arrangement | 2P : 2N/O + 2N/C                                    | 3P : 3N/O + 3N/C |                                                                   |                     |                     |
| ② Option              | No mark : Standard (Mechanical indicator equipped ) |                  | L : LED Indicator ( DC Coil : Green, AC Coil : Red )              |                     |                     |
|                       | LD : LED Indicator + Freewheeling Diode (DC)        |                  | LC : LED Indicator<br>+ Built-in the Surge Adsorbent Circuit (AC) |                     |                     |
| ③ Coil Voltage        | 12VDC                                               | 24VDC            | 100/110VDC                                                        |                     |                     |
|                       | 12VAC 50/60 Hz                                      | 24VAC 50/60 Hz   | 100/110/120VAC 50/60 Hz                                           | 200/220VAC 50/60 Hz | 220/240VAC 50/60 Hz |

### General Specification

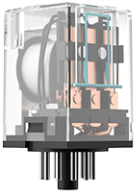
|                 |                                    |                                                           |                     |
|-----------------|------------------------------------|-----------------------------------------------------------|---------------------|
| Contact Ratings | Contact Form                       | 2N/O + 2N/C                                               | 3N/O + 3N/C         |
|                 | Contact Material                   | Ag alloy (24K gold plate)                                 |                     |
|                 | Maximum Contact Resistance         | 50mΩ                                                      |                     |
|                 | Rated Current<br>(Resistance Load) | 2N/O + 2N/C                                               | 3N/O + 3N/C         |
|                 |                                    | 10A 28VDC                                                 |                     |
|                 | Maximum Switching Current          | 10A 250VAC                                                |                     |
|                 |                                    | 10A                                                       |                     |
| Coil Ratings    | Maximum Rated Voltage              | 250VDC / 250VAC                                           |                     |
|                 | Minimum Switching Current *        | 100mA 5VDC                                                |                     |
|                 | Coil Voltage                       | 12VDC                                                     | 24VDC               |
|                 |                                    | 12VAC 50/60 Hz                                            | 24VAC 50/60 Hz      |
|                 |                                    | 100/110/120VAC 50/60 Hz                                   | 200/220VAC 50/60 Hz |
|                 |                                    | 220/240VAC 50/60 Hz                                       |                     |
|                 | Coil Consumption                   | DC : 1.6W Approx.                                         |                     |
| General Ratings |                                    | AC : 2.4VA Approx.                                        |                     |
|                 | Minimum Pick-up Voltage            | 80% of Nominal                                            |                     |
|                 | Maximum Drop Out Voltage           | 10% of Nominal Voltage DC                                 |                     |
|                 |                                    | 30% of Nominal Voltage AC                                 |                     |
|                 | Operating Time                     | Maximum Pick-up                                           | 30ms                |
|                 |                                    | Minimum Drop-out                                          | 20ms                |
|                 | Insulation Resistance              | 100MΩ at 500VDC                                           |                     |
| General Ratings | Dielectric Strength                | Between Contact Points : 1,000Vrms for 1 minute.          |                     |
|                 |                                    | Between Contact Points and Coil : 1,500Vrms for 1 minute. |                     |
|                 | Life Cycle                         | Mechanical : Min. 10,000,000                              |                     |
|                 |                                    | Electrical : Min. 100,000                                 |                     |
|                 | Vibration Resistant                | 10 ~ 55Hz width of vibration 1.5mm                        |                     |
|                 | Ambient Temperature                | -10 ~ +40°C (with no icing)                               |                     |
|                 | Ambient Humidity                   | 35% ~ 80%RH                                               |                     |
| General Ratings | Weight                             | Approx. 75g                                               |                     |

☞ Please refer to the attention section.

☞ Specifications and materials can be changed without prior notice for the enhancement of the quality.

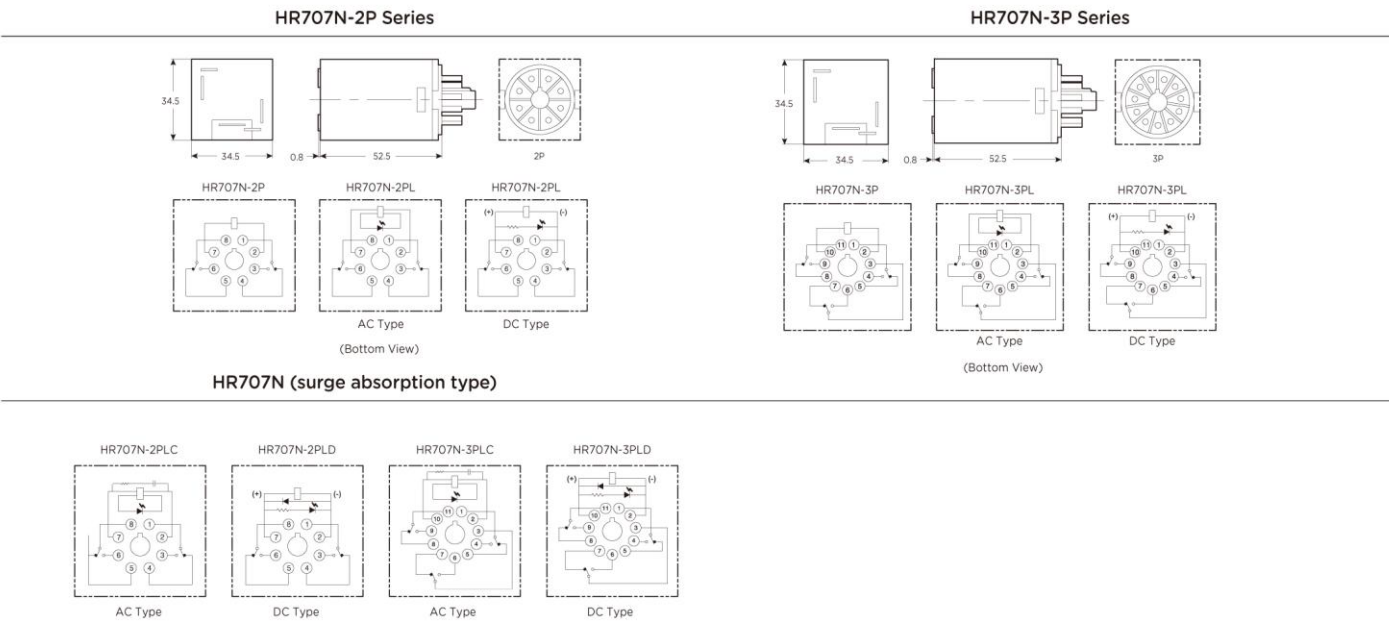
\* The minimum switching current is indicated as a standard value. The actual minimum Switching rate is variable factor according to the make and break frequency, environmental condition and anticipated credibility level. Therefore, it is recommended that tests be done to test actual load value before the production process.

Product Selection

|                                                                                  |                                           | Part Number   |                  |                   |                                       | Weight (g) |
|----------------------------------------------------------------------------------|-------------------------------------------|---------------|------------------|-------------------|---------------------------------------|------------|
| Contact Form                                                                     | Socket                                    | Rated Voltage | Non-Illumination | Illumination      | Illumination Surge Absorption Circuit |            |
|  | 2 Pole<br>(2N/O + 2N/C)<br>KF083A<br>KPZ2 | 220VAC        | HR707N-2P 220VAC | HR707N-2PL 220VAC | HR707N-2PLC 220VAC                    | 75g        |
|                                                                                  |                                           | 110VAC        | HR707N-2P 110VAC | HR707N-2PL 110VAC |                                       | 75g        |
|                                                                                  |                                           | 110VDC        | HR707N-2P 110VDC | HR707N-2PL 110VDC |                                       | 75g        |
|                                                                                  |                                           | 24VDC         | HR707N-2P 24VDC  | HR707N-2PL 24VDC  | HR707N-2PLD 24VDC                     | 75g        |
|  | 3 Pole<br>(3N/O + 3N/C)<br>KF113A<br>KPZ3 | 220VAC        | HR707N-3P 220VAC | HR707N-3PL 220VAC | HR707N-3PLC 220VAC                    | 75g        |
|                                                                                  |                                           | 110VAC        | HR707N-3P 110VAC | HR707N-3PL 110VAC |                                       | 75g        |
|                                                                                  |                                           | 110VDC        | HR707N-3P 110VDC | HR707N-3PL 110VDC |                                       | 75g        |
|                                                                                  |                                           | 24VDC         | HR707N-3P 24VDC  | HR707N-3PL 24VDC  | HR707N-3PLD 24VDC                     | 75g        |

Dimension

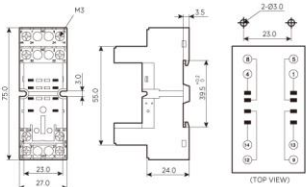
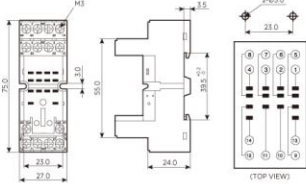
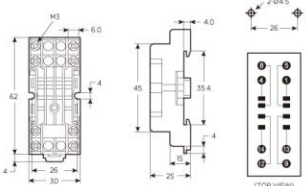
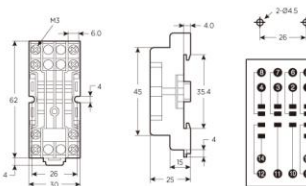
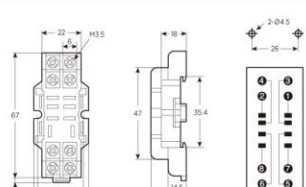
(mm)



- HR707N surge absorption models contains a circuit to absorb the noises that are produced from relay while relay tracking. It is suitable to apply where malfunctioning or disturbances are likely to happen in such devices as PLC.
- In case where relay Contact point (PLC relay output card) is tracked, damages on Contact points of other tracking devices are reduced by absorbing surge and it is possible to use high priced equipment for a long period of time.

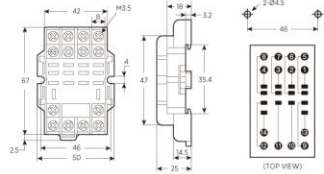
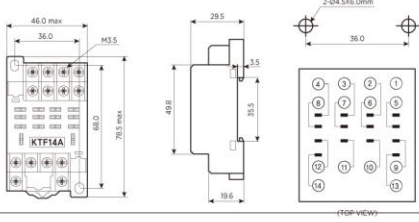
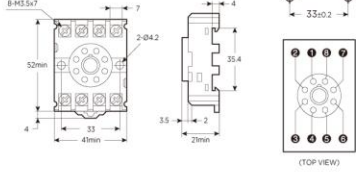
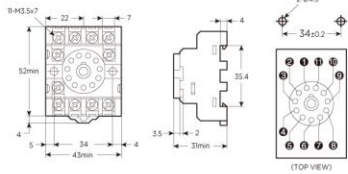
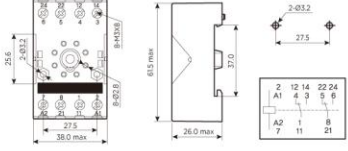
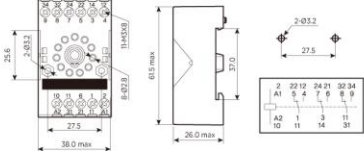
Product Selection & Dimension

(mm)

| Part Number<br>(Color)                                                                                                                | Certification                                                                       | Relay               | Dimension                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------|
| <br>KPY2<br>(White)                                   |    | K505-2P             |            |
| <br>KPY4<br>(White)                                  |    | K505-4P             |            |
| Module                                                                                                                                |                                                                                     |                     |                                                                                               |
| KPY-M<br>                                           | KPY-M1 24VDC/AC<br>KPY-M2 110VDC/AC<br>KPY-M3 220VDC/AC<br>KPY socket               |                     | KPY-D<br> |
| Varistor                                                                                                                              |                                                                                     |                     | Diode                                                                                         |
| <br>KMY2                                            |  | K505-2P<br>HR705-2P |          |
| <br>KMY4<br>(R, G, Y, B,<br>Amber,<br>Black(Basic)) |  | K505-4P<br>HR705-4P |          |
| <br>KLY2                                            |  | HR710-2P            |          |

## Product Selection &amp; Dimension

(mm)

|                                                                                     | Part Number | Certification                                                                                                                                                           | Relay                   | Dimension                                                                             |
|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|
|    | KLY4        |       | HR710-4P                |    |
|    | KTF14A      |       | HR710-4P                |     |
|    | KF083A      |       | HR707N-2P               |    |
|  | KF113A      |   | HR707N-3P               |  |
|  | KPZ2        |   | HR707N-2P<br>TTL<br>TTS |  |
|  | KPZ3        |   | HR707N-3P               |  |

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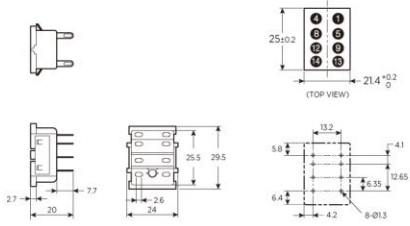
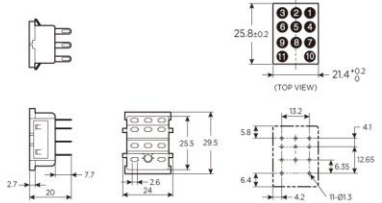
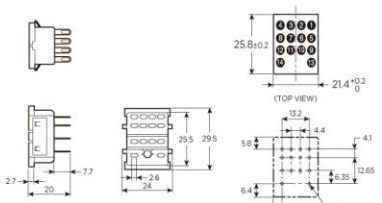
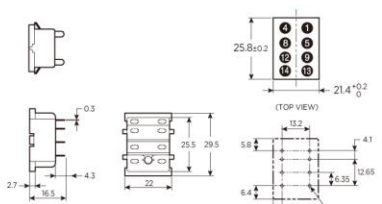
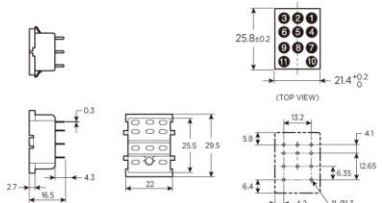
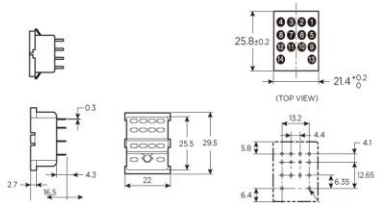
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## Product Selection & Dimension

(mm)

| Part Number                                                                         | Certification | Relay                                                                                                               | Dimension                                                                             |
|-------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    | KY08          | <br>K505-2PL<br>HR705-2P Soldering |    |
|    | KY11          | <br>HR705-3P Soldering             |    |
|   | KY14          | <br>K505-4P<br>HR705-4P Soldering  |   |
|  | KY08-02       | <br>K505-2P<br>HR705-2P PCB Type |  |
|  | KY11-02       | <br>HR705-3P PCB Type            |  |
|  | KY14-02       | <br>K505-4P<br>HR705-4P PCB Type |  |

## Product Selection &amp; Dimension

(mm)

| Part Number                                                                         | Certification  | Relay                 | Dimension          |
|-------------------------------------------------------------------------------------|----------------|-----------------------|--------------------|
|    | KT08           | CE                    | HR710-2P Soldering |
|    | KT08-0         | CE C <sub>UL</sub> US | HR710-2P PCB Type  |
|    | K2CF08         | CE C <sub>UL</sub> US | TTL                |
|  | K2CF08K        | CE                    | Waterlevel, FLR    |
|  | TAS<br>(White) |                       | TA-1a              |
|  | TRS<br>(White) |                       | TR-1a              |

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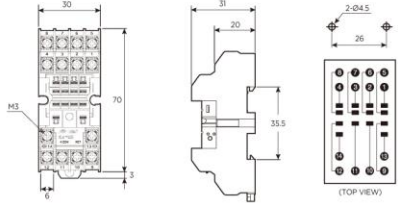
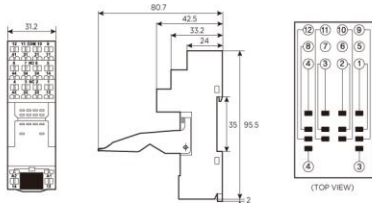
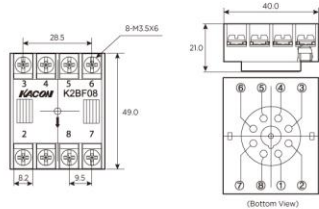
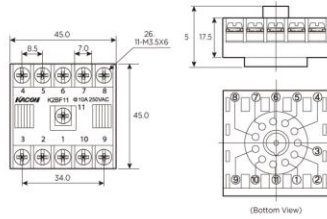
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**KACON**

Product Selection & Dimension

(mm)

| Part Number                                                                         | Certification                                                                                           | Relay               | Dimension                                                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------|
|    | KMY4S<br>G (Green)<br> | K505-4P<br>HR705-4P |    |
|    | KCY4<br>               | K505-4P<br>HR705-4P |    |
|   | K2BF08<br>             | TTL                 |   |
|  | K2BF11<br>           | TTL                 |  |