



# 22/30mm Control Units

- ◆ RONDEX-JUWEL  $\varnothing$  22.3 mm
- ◆ OKTRON-JUWEL  $\square$  23 x 23 mm
- ◆ QUARTRON-JUWEL  $\square$  24 x 24 mm
- ◆ KOMBITAST-R-JUWEL  $\varnothing$  30.5 mm



Ø 22.3 mm

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

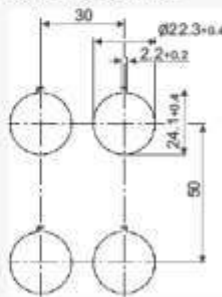
## Pushbutton\_JRT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Momentary/Spring Return

|        |   |     |   |   |               |
|--------|---|-----|---|---|---------------|
| Red    | - | 1NO | - | - | GS1 JRT-10-RT |
| Green  | - | 1NO | - | - | GS1 JRT-10-GN |
| Yellow | - | 1NO | - | - | GS1 JRT-10-GB |
| Blue   | - | 1NO | - | - | GS1 JRT-10-BL |
| Clear  | - | 1NO | - | - | GS1 JRT-10-KL |

### 1NC Momentary/Spring Return

|        |   |   |     |   |               |
|--------|---|---|-----|---|---------------|
| Red    | - | - | 1NC | - | GS1 JRT-01-RT |
| Green  | - | - | 1NC | - | GS1 JRT-01-GN |
| Yellow | - | - | 1NC | - | GS1 JRT-01-GB |
| Blue   | - | - | 1NC | - | GS1 JRT-01-BL |
| Clear  | - | - | 1NC | - | GS1 JRT-01-KL |

### 1NO 1NC Momentary/Spring Return

|        |   |   |   |         |               |
|--------|---|---|---|---------|---------------|
| Red    | - | - | - | 1NO 1NC | GS1 JRT-11-RT |
| Green  | - | - | - | 1NO 1NC | GS1 JRT-11-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 JRT-11-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 JRT-11-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 JRT-11-KL |

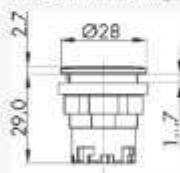
### 2NO 2NC Momentary/Spring Return

|        |   |   |   |         |               |
|--------|---|---|---|---------|---------------|
| Red    | - | - | - | 2NO 2NC | GS1 JRT-22-RT |
| Green  | - | - | - | 2NO 2NC | GS1 JRT-22-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 JRT-22-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 JRT-22-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 JRT-22-KL |

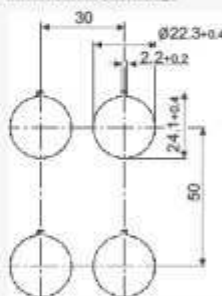
## Pushbutton\_JRF (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Maintained/Latching

|        |   |     |   |   |                 |
|--------|---|-----|---|---|-----------------|
| Red    | - | 1NO | - | - | GS1 JRF-10-Z-RT |
| Green  | - | 1NO | - | - | GS1 JRF-10-Z-GN |
| Yellow | - | 1NO | - | - | GS1 JRF-10-Z-GB |
| Blue   | - | 1NO | - | - | GS1 JRF-10-Z-BL |
| Clear  | - | 1NO | - | - | GS1 JRF-10-Z-KL |

### 1NC Maintained/Latching

|        |   |   |     |   |                 |
|--------|---|---|-----|---|-----------------|
| Red    | - | - | 1NC | - | GS1 JRF-01-Z-RT |
| Green  | - | - | 1NC | - | GS1 JRF-01-Z-GN |
| Yellow | - | - | 1NC | - | GS1 JRF-01-Z-GB |
| Blue   | - | - | 1NC | - | GS1 JRF-01-Z-BL |
| Clear  | - | - | 1NC | - | GS1 JRF-01-Z-KL |

### 1NO 1NC Maintained/Latching

|        |   |   |   |         |                 |
|--------|---|---|---|---------|-----------------|
| Red    | - | - | - | 1NO 1NC | GS1 JRF-11-Z-RT |
| Green  | - | - | - | 1NO 1NC | GS1 JRF-11-Z-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 JRF-11-Z-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 JRF-11-Z-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 JRF-11-Z-KL |

### 2NO 2NC Maintained/Latching

|        |   |   |   |         |                 |
|--------|---|---|---|---------|-----------------|
| Red    | - | - | - | 2NO 2NC | GS1 JRF-22-Z-RT |
| Green  | - | - | - | 2NO 2NC | GS1 JRF-22-Z-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 JRF-22-Z-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 JRF-22-Z-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 JRF-22-Z-KL |



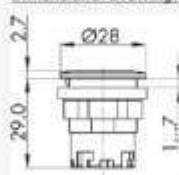
Ø 22.3 mm

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

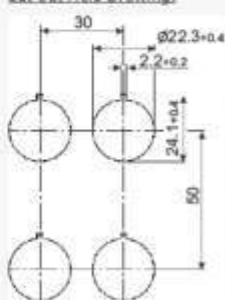
## Illuminated Pushbutton\_JRT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



reddot award 2018 winner

### 1NO Momentary/Spring Return - 24V

|          |     |     |   |   |                  |
|----------|-----|-----|---|---|------------------|
| ● Red    | 24V | 1NO | - | - | GS1 JRT-10-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 JRT-10-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 JRT-10-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 JRT-10-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 JRT-10-24-KL |

### 1NC Momentary/Spring Return - 24V

|          |     |   |     |   |                  |
|----------|-----|---|-----|---|------------------|
| ● Red    | 24V | - | 1NC | - | GS1 JRT-01-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 JRT-01-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 JRT-01-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 JRT-01-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 JRT-01-24-KL |

### 1NO 1NC Momentary/Spring Return - 24V

|          |     |   |   |         |                  |
|----------|-----|---|---|---------|------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 JRT-11-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 JRT-11-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 JRT-11-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 JRT-11-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 JRT-11-24-KL |

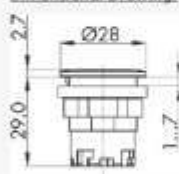
### 2NO 2NC Momentary/Spring Return - 24V

|          |     |   |   |         |                  |
|----------|-----|---|---|---------|------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 JRT-22-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 JRT-22-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 JRT-22-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 JRT-22-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 JRT-22-24-KL |

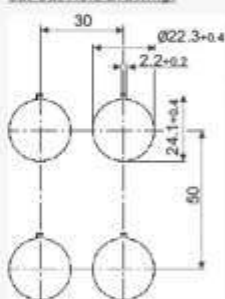
## Illuminated Pushbutton\_JRF (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Maintained/Latching - 24V

|          |     |     |   |   |                    |
|----------|-----|-----|---|---|--------------------|
| ● Red    | 24V | 1NO | - | - | GS1 JRF-10-Z-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 JRF-10-Z-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 JRF-10-Z-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 JRF-10-Z-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 JRF-10-Z-24-KL |

### 1NC Maintained/Latching - 24V

|          |     |   |     |   |                    |
|----------|-----|---|-----|---|--------------------|
| ● Red    | 24V | - | 1NC | - | GS1 JRF-01-Z-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 JRF-01-Z-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 JRF-01-Z-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 JRF-01-Z-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 JRF-01-Z-24-KL |

### 1NO 1NC Maintained/Latching - 24V

|          |     |   |   |         |                    |
|----------|-----|---|---|---------|--------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 JRF-11-Z-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 JRF-11-Z-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 JRF-11-Z-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 JRF-11-Z-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 JRF-11-Z-24-KL |

### 2NO 2NC Maintained/Latching - 24V

|          |     |   |   |         |                    |
|----------|-----|---|---|---------|--------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 JRF-22-Z-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 JRF-22-Z-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 JRF-22-Z-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 JRF-22-Z-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 JRF-22-Z-24-KL |



Ø 22.3 mm

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

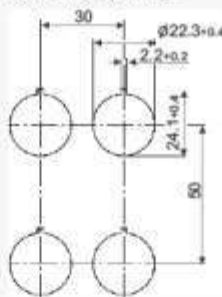
## Illuminated Pushbutton\_JRT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Momentary/Spring Return - 230V

|          |      |     |   |   |                   |
|----------|------|-----|---|---|-------------------|
| ● Red    | 230V | 1NO | - | - | GS1 JRT-10-220-RT |
| ● Green  | 230V | 1NO | - | - | GS1 JRT-10-220-GN |
| ● Yellow | 230V | 1NO | - | - | GS1 JRT-10-220-GB |
| ● Blue   | 230V | 1NO | - | - | GS1 JRT-10-220-BL |
| ○ Clear  | 230V | 1NO | - | - | GS1 JRT-10-220-KL |

### 1NC Momentary/Spring Return - 230V

|          |      |   |     |   |                   |
|----------|------|---|-----|---|-------------------|
| ● Red    | 230V | - | 1NC | - | GS1 JRT-01-220-RT |
| ● Green  | 230V | - | 1NC | - | GS1 JRT-01-220-GN |
| ● Yellow | 230V | - | 1NC | - | GS1 JRT-01-220-GB |
| ● Blue   | 230V | - | 1NC | - | GS1 JRT-01-220-BL |
| ○ Clear  | 230V | - | 1NC | - | GS1 JRT-01-220-KL |

### 1NO 1NC Momentary/Spring Return - 230V

|          |      |   |   |         |                   |
|----------|------|---|---|---------|-------------------|
| ● Red    | 230V | - | - | 1NO 1NC | GS1 JRT-11-220-RT |
| ● Green  | 230V | - | - | 1NO 1NC | GS1 JRT-11-220-GN |
| ● Yellow | 230V | - | - | 1NO 1NC | GS1 JRT-11-220-GB |
| ● Blue   | 230V | - | - | 1NO 1NC | GS1 JRT-11-220-BL |
| ○ Clear  | 230V | - | - | 1NO 1NC | GS1 JRT-11-220-KL |

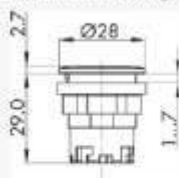
### 2NO 2NC Momentary/Spring Return - 230V

|          |      |   |   |         |                   |
|----------|------|---|---|---------|-------------------|
| ● Red    | 230V | - | - | 2NO 2NC | GS1 JRT-22-220-RT |
| ● Green  | 230V | - | - | 2NO 2NC | GS1 JRT-22-220-GN |
| ● Yellow | 230V | - | - | 2NO 2NC | GS1 JRT-22-220-GB |
| ● Blue   | 230V | - | - | 2NO 2NC | GS1 JRT-22-220-BL |
| ○ Clear  | 230V | - | - | 2NO 2NC | GS1 JRT-22-220-KL |

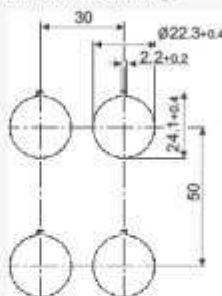
## Illuminated Pushbutton\_JRF (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Maintained/Latching - 230V

|          |      |     |   |   |                     |
|----------|------|-----|---|---|---------------------|
| ● Red    | 230V | 1NO | - | - | GS1 JRF-10-Z-220-RT |
| ● Green  | 230V | 1NO | - | - | GS1 JRF-10-Z-220-GN |
| ● Yellow | 230V | 1NO | - | - | GS1 JRF-10-Z-220-GB |
| ● Blue   | 230V | 1NO | - | - | GS1 JRF-10-Z-220-BL |
| ○ Clear  | 230V | 1NO | - | - | GS1 JRF-10-Z-220-KL |

### 1NC Maintained/Latching - 230V

|          |      |   |     |   |                     |
|----------|------|---|-----|---|---------------------|
| ● Red    | 230V | - | 1NC | - | GS1 JRF-01-Z-220-RT |
| ● Green  | 230V | - | 1NC | - | GS1 JRF-01-Z-220-GN |
| ● Yellow | 230V | - | 1NC | - | GS1 JRF-01-Z-220-GB |
| ● Blue   | 230V | - | 1NC | - | GS1 JRF-01-Z-220-BL |
| ○ Clear  | 230V | - | 1NC | - | GS1 JRF-01-Z-220-KL |

### 1NO 1NC Maintained/Latching - 230V

|          |      |   |   |         |                     |
|----------|------|---|---|---------|---------------------|
| ● Red    | 230V | - | - | 1NO 1NC | GS1 JRF-11-Z-220-RT |
| ● Green  | 230V | - | - | 1NO 1NC | GS1 JRF-11-Z-220-GN |
| ● Yellow | 230V | - | - | 1NO 1NC | GS1 JRF-11-Z-220-GB |
| ● Blue   | 230V | - | - | 1NO 1NC | GS1 JRF-11-Z-220-BL |
| ○ Clear  | 230V | - | - | 1NO 1NC | GS1 JRF-11-Z-220-KL |

### 2NO 2NC Maintained/Latching - 230V

|          |      |   |   |         |                     |
|----------|------|---|---|---------|---------------------|
| ● Red    | 230V | - | - | 2NO 2NC | GS1 JRF-22-Z-220-RT |
| ● Green  | 230V | - | - | 2NO 2NC | GS1 JRF-22-Z-220-GN |
| ● Yellow | 230V | - | - | 2NO 2NC | GS1 JRF-22-Z-220-GB |
| ● Blue   | 230V | - | - | 2NO 2NC | GS1 JRF-22-Z-220-BL |
| ○ Clear  | 230V | - | - | 2NO 2NC | GS1 JRF-22-Z-220-KL |

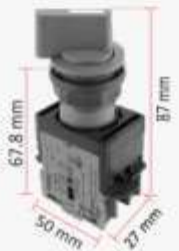
| Illustration | Switching Position | Possible Contact Configuration | Part Number |
|--------------|--------------------|--------------------------------|-------------|
|--------------|--------------------|--------------------------------|-------------|

## Selector Switch\_JRGWA (Charcoal Bezel)

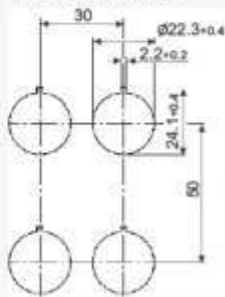
IP65



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 2 Position : 1NO Maintained/Latching



1NO

GS1 JRGWA-10

### 2 Position : 2NO Maintained/Latching



2NO

GS1 JRGWA-20

### 3 Position : 1NO+1NO Maintained/Latching



1NO+1NO

GS1 JRGWB-20

### 3 Position : 2NO+2NO Maintained/Latching



2NO+2NO

GS1 JRGWB-40

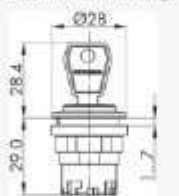
Legend:  
 I = Switching Position  
 > = Spring Return

## Key Switch\_JRSSA14E (Charcoal Bezel)

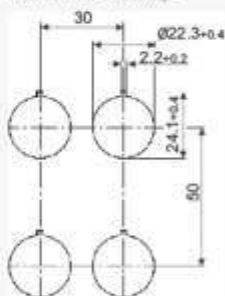
IP65



Dimensional Drawing:



Cut-out Hole Drawing:

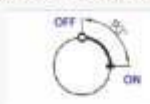


Award:



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### 2 Position : 1NO Maintained/Latching



1NO

GS1 JRSSA14E-10

### 2 Position : 2NO Maintained/Latching



2NO

GS1 JRSSA14E-20

### 3 Position : 1NO+1NO Maintained/Latching



1NO+1NO

GS1 JRSSA13E-20

### 3 Position : 2NO+2NO Maintained/Latching



2NO+2NO

GS1 JRSSA13E-40

Legend:  
 I = Switching Position  
 > = Spring Return  
 o = Key Removable Position



| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

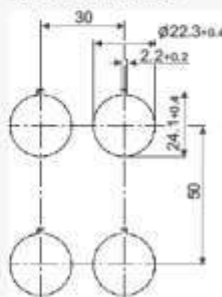
### Pilot Light\_JRN (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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#### 24V

|          |     |   |   |   |               |
|----------|-----|---|---|---|---------------|
| ● Red    | 24V | - | - | - | GS1 JRN-24-RT |
| ● Green  | 24V | - | - | - | GS1 JRN-24-GN |
| ● Yellow | 24V | - | - | - | GS1 JRN-24-GB |
| ● Blue   | 24V | - | - | - | GS1 JRN-24-BL |
| ○ Clear  | 24V | - | - | - | GS1 JRN-24-KL |

#### 220V

|          |      |   |   |   |                |
|----------|------|---|---|---|----------------|
| ● Red    | 220V | - | - | - | GS1 JRN-220-RT |
| ● Green  | 220V | - | - | - | GS1 JRN-220-GN |
| ● Yellow | 220V | - | - | - | GS1 JRN-220-GB |
| ● Blue   | 220V | - | - | - | GS1 JRN-220-BL |
| ○ Clear  | 220V | - | - | - | GS1 JRN-220-KL |

#### Dual Colour - 24V

|             |     |   |   |   |                 |
|-------------|-----|---|---|---|-----------------|
| ● Red-Green | 24V | - | - | - | GS1 JRN-24-KLRG |
|-------------|-----|---|---|---|-----------------|

## Technical Specification

### General Data:

|                     |  |
|---------------------|--|
| Front Dimensions:   | Ø 28 mm                                  |
| Panel Cut-out:      | Ø 22.3 mm                                |
| Front Bezel Height: | 2 mm                                     |
| Operating Travel:   | 6 mm                                     |
| IP Rating:          | IP65                                     |
| Illumination:       | Yes                                      |
| Contact Type:       | Modular Contact Block                    |
| Protection Class:   | II (protective insulation)               |
| Connection Type:    | Screw Connection 2 x 2.5 mm <sup>2</sup> |
| Contact Material:   | AgNi                                     |

|                             |  |
|-----------------------------|--|
| Max. Storage Temperature:   | -50°C ... 85°C   |
| Max. Operating Temperature: | -50°C ... 85°C, without illumination<br>-30°C ... 65°C, using LEDs |
| Mechanical Life:            | 1 m switching cycles   |
| Electrical Life:            | 1 m operations at rated load                                       |
| Contact Resistance NO:      | <20 mOhm   |
| Contact Resistance NC:      | <20 mOhm   |
| Min. Current:               | 1 mA (under laboratory conditions)                                 |
| Min. Voltage:               | 5V   |

|                           | Alternate Current | Direct Current                 |
|---------------------------|-------------------|--------------------------------|
| Rated Insulation Voltage: | 600V              | 600V                           |
| Rated Operating Voltage:  | 240V / 440V       | 440V / 250V / 125V / 60V / 24V |
| Rated Operating Current:  | 3A / 1.6A         | 0.12A / 0.2A / 0.4A / 1A / 2A  |

### Approvals:



### Use & Applications:

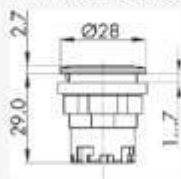
- ✓ The actuators are designed for exclusive applications as well as use in harsh environments.
- ✓ Flexible contact configuration and ease of assembly.
- ✓ The units can be used in every field of application.
- ✓ The control units are designed to accept a clearly visible marking, easy to produce and comprising a variety of symbols and inscriptions.
- ✓ Multiple standards nameplates are available and also according to user's requirements.

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

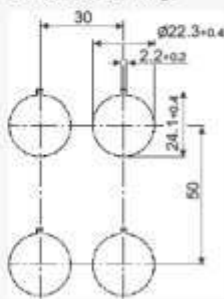
## Pushbutton\_JRMT (Silver-coloured Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



reddot award 2018 winner

### 1NO Momentary/Spring Return

|          |   |     |   |   |                |
|----------|---|-----|---|---|----------------|
| ● Red    | - | 1NO | - | - | GS1 JRMT-10-RT |
| ● Green  | - | 1NO | - | - | GS1 JRMT-10-GN |
| ● Yellow | - | 1NO | - | - | GS1 JRMT-10-GB |
| ● Blue   | - | 1NO | - | - | GS1 JRMT-10-BL |
| ○ Clear  | - | 1NO | - | - | GS1 JRMT-10-KL |

### 1NC Momentary/Spring Return

|          |   |   |     |   |                |
|----------|---|---|-----|---|----------------|
| ● Red    | - | - | 1NC | - | GS1 JRMT-01-RT |
| ● Green  | - | - | 1NC | - | GS1 JRMT-01-GN |
| ● Yellow | - | - | 1NC | - | GS1 JRMT-01-GB |
| ● Blue   | - | - | 1NC | - | GS1 JRMT-01-BL |
| ○ Clear  | - | - | 1NC | - | GS1 JRMT-01-KL |

### 1NO 1NC Momentary/Spring Return

|          |   |   |   |         |                |
|----------|---|---|---|---------|----------------|
| ● Red    | - | - | - | 1NO 1NC | GS1 JRMT-11-RT |
| ● Green  | - | - | - | 1NO 1NC | GS1 JRMT-11-GN |
| ● Yellow | - | - | - | 1NO 1NC | GS1 JRMT-11-GB |
| ● Blue   | - | - | - | 1NO 1NC | GS1 JRMT-11-BL |
| ○ Clear  | - | - | - | 1NO 1NC | GS1 JRMT-11-KL |

### 2NO 2NC Momentary/Spring Return

|          |   |   |   |         |                |
|----------|---|---|---|---------|----------------|
| ● Red    | - | - | - | 2NO 2NC | GS1 JRMT-22-RT |
| ● Green  | - | - | - | 2NO 2NC | GS1 JRMT-22-GN |
| ● Yellow | - | - | - | 2NO 2NC | GS1 JRMT-22-GB |
| ● Blue   | - | - | - | 2NO 2NC | GS1 JRMT-22-BL |
| ○ Clear  | - | - | - | 2NO 2NC | GS1 JRMT-22-KL |

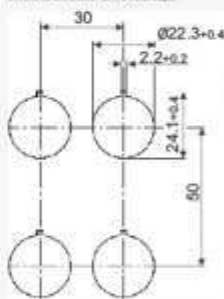
## Pushbutton\_JRMF (Silver-coloured Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



reddot award 2018 winner

### 1NO Maintained/Latching

|          |   |     |   |   |                  |
|----------|---|-----|---|---|------------------|
| ● Red    | - | 1NO | - | - | GS1 JRMF-10-Z-RT |
| ● Green  | - | 1NO | - | - | GS1 JRMF-10-Z-GN |
| ● Yellow | - | 1NO | - | - | GS1 JRMF-10-Z-GB |
| ● Blue   | - | 1NO | - | - | GS1 JRMF-10-Z-BL |
| ○ Clear  | - | 1NO | - | - | GS1 JRMF-10-Z-KL |

### 1NC Maintained/Latching

|          |   |   |     |   |                  |
|----------|---|---|-----|---|------------------|
| ● Red    | - | - | 1NC | - | GS1 JRMF-01-Z-RT |
| ● Green  | - | - | 1NC | - | GS1 JRMF-01-Z-GN |
| ● Yellow | - | - | 1NC | - | GS1 JRMF-01-Z-GB |
| ● Blue   | - | - | 1NC | - | GS1 JRMF-01-Z-BL |
| ○ Clear  | - | - | 1NC | - | GS1 JRMF-01-Z-KL |

### 1NO 1NC Maintained/Latching

|          |   |   |   |         |                  |
|----------|---|---|---|---------|------------------|
| ● Red    | - | - | - | 1NO 1NC | GS1 JRMF-11-Z-RT |
| ● Green  | - | - | - | 1NO 1NC | GS1 JRMF-11-Z-GN |
| ● Yellow | - | - | - | 1NO 1NC | GS1 JRMF-11-Z-GB |
| ● Blue   | - | - | - | 1NO 1NC | GS1 JRMF-11-Z-BL |
| ○ Clear  | - | - | - | 1NO 1NC | GS1 JRMF-11-Z-KL |

### 2NO 2NC Maintained/Latching

|          |   |   |   |         |                  |
|----------|---|---|---|---------|------------------|
| ● Red    | - | - | - | 2NO 2NC | GS1 JRMF-22-Z-RT |
| ● Green  | - | - | - | 2NO 2NC | GS1 JRMF-22-Z-GN |
| ● Yellow | - | - | - | 2NO 2NC | GS1 JRMF-22-Z-GB |
| ● Blue   | - | - | - | 2NO 2NC | GS1 JRMF-22-Z-BL |
| ○ Clear  | - | - | - | 2NO 2NC | GS1 JRMF-22-Z-KL |



| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

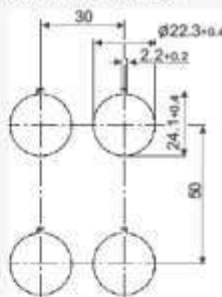
## Illuminated Pushbutton\_JRMT (Silver-coloured Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Momentary/Spring Return - 24V

|          |     |     |   |   |                   |
|----------|-----|-----|---|---|-------------------|
| ● Red    | 24V | 1NO | - | - | GS1 JRMT-10-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 JRMT-10-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 JRMT-10-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 JRMT-10-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 JRMT-10-24-KL |

### 1NC Momentary/Spring Return - 24V

|          |     |   |     |   |                   |
|----------|-----|---|-----|---|-------------------|
| ● Red    | 24V | - | 1NC | - | GS1 JRMT-01-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 JRMT-01-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 JRMT-01-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 JRMT-01-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 JRMT-01-24-KL |

### 1NO 1NC Momentary/Spring Return - 24V

|          |     |   |   |         |                   |
|----------|-----|---|---|---------|-------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 JRMT-11-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 JRMT-11-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 JRMT-11-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 JRMT-11-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 JRMT-11-24-KL |

### 2NO 2NC Momentary/Spring Return - 24V

|          |     |   |   |         |                   |
|----------|-----|---|---|---------|-------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 JRMT-22-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 JRMT-22-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 JRMT-22-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 JRMT-22-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 JRMT-22-24-KL |

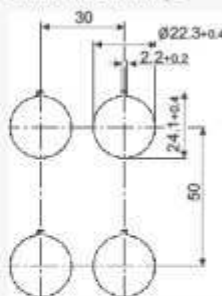
## Illuminated Pushbutton\_JRMF (Silver-coloured Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Maintained/Latching - 24V

|          |     |     |   |   |                     |
|----------|-----|-----|---|---|---------------------|
| ● Red    | 24V | 1NO | - | - | GS1 JRMF-10-Z-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 JRMF-10-Z-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 JRMF-10-Z-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 JRMF-10-Z-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 JRMF-10-Z-24-KL |

### 1NC Maintained/Latching - 24V

|          |     |   |     |   |                     |
|----------|-----|---|-----|---|---------------------|
| ● Red    | 24V | - | 1NC | - | GS1 JRMF-01-Z-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 JRMF-01-Z-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 JRMF-01-Z-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 JRMF-01-Z-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 JRMF-01-Z-24-KL |

### 1NO 1NC Maintained/Latching - 24V

|          |     |   |   |         |                     |
|----------|-----|---|---|---------|---------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 JRMF-11-Z-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 JRMF-11-Z-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 JRMF-11-Z-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 JRMF-11-Z-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 JRMF-11-Z-24-KL |

### 2NO 2NC Maintained/Latching - 24V

|          |     |   |   |         |                     |
|----------|-----|---|---|---------|---------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 JRMF-22-Z-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 JRMF-22-Z-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 JRMF-22-Z-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 JRMF-22-Z-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 JRMF-22-Z-24-KL |

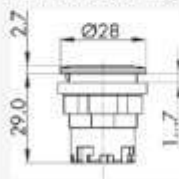


| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

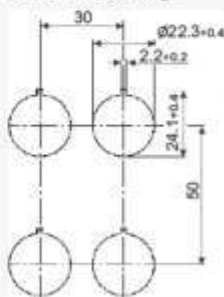
## Illuminated Pushbutton\_JRMT (Silver-coloured Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



reddot award 2018 winner

### 1NO Momentary/Spring Return - 230V

|          |      |     |   |   |                    |
|----------|------|-----|---|---|--------------------|
| ● Red    | 230V | 1NO | - | - | GS1 JRMT-10-220-RT |
| ● Green  | 230V | 1NO | - | - | GS1 JRMT-10-220-GN |
| ● Yellow | 230V | 1NO | - | - | GS1 JRMT-10-220-GB |
| ● Blue   | 230V | 1NO | - | - | GS1 JRMT-10-220-BL |
| ○ Clear  | 230V | 1NO | - | - | GS1 JRMT-10-220-KL |

### 1NC Momentary/Spring Return - 230V

|          |      |   |     |   |                    |
|----------|------|---|-----|---|--------------------|
| ● Red    | 230V | - | 1NC | - | GS1 JRMT-01-220-RT |
| ● Green  | 230V | - | 1NC | - | GS1 JRMT-01-220-GN |
| ● Yellow | 230V | - | 1NC | - | GS1 JRMT-01-220-GB |
| ● Blue   | 230V | - | 1NC | - | GS1 JRMT-01-220-BL |
| ○ Clear  | 230V | - | 1NC | - | GS1 JRMT-01-220-KL |

### 1NO 1NC Momentary/Spring Return - 230V

|          |      |   |   |         |                    |
|----------|------|---|---|---------|--------------------|
| ● Red    | 230V | - | - | 1NO 1NC | GS1 JRMT-11-220-RT |
| ● Green  | 230V | - | - | 1NO 1NC | GS1 JRMT-11-220-GN |
| ● Yellow | 230V | - | - | 1NO 1NC | GS1 JRMT-11-220-GB |
| ● Blue   | 230V | - | - | 1NO 1NC | GS1 JRMT-11-220-BL |
| ○ Clear  | 230V | - | - | 1NO 1NC | GS1 JRMT-11-220-KL |

### 2NO 2NC Momentary/Spring Return - 230V

|          |      |   |   |         |                    |
|----------|------|---|---|---------|--------------------|
| ● Red    | 230V | - | - | 2NO 2NC | GS1 JRMT-22-220-RT |
| ● Green  | 230V | - | - | 2NO 2NC | GS1 JRMT-22-220-GN |
| ● Yellow | 230V | - | - | 2NO 2NC | GS1 JRMT-22-220-GB |
| ● Blue   | 230V | - | - | 2NO 2NC | GS1 JRMT-22-220-BL |
| ○ Clear  | 230V | - | - | 2NO 2NC | GS1 JRMT-22-220-KL |

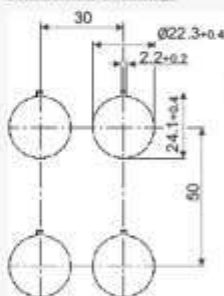
## Illuminated Pushbutton\_JRMF (Silver-coloured Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



Award:



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### 1NO Maintained/Latching - 230V

|          |      |     |   |   |                      |
|----------|------|-----|---|---|----------------------|
| ● Red    | 230V | 1NO | - | - | GS1 JRMF-10-Z-220-RT |
| ● Green  | 230V | 1NO | - | - | GS1 JRMF-10-Z-220-GN |
| ● Yellow | 230V | 1NO | - | - | GS1 JRMF-10-Z-220-GB |
| ● Blue   | 230V | 1NO | - | - | GS1 JRMF-10-Z-220-BL |
| ○ Clear  | 230V | 1NO | - | - | GS1 JRMF-10-Z-220-KL |

### 1NC Maintained/Latching - 230V

|          |      |   |     |   |                      |
|----------|------|---|-----|---|----------------------|
| ● Red    | 230V | - | 1NC | - | GS1 JRMF-01-Z-220-RT |
| ● Green  | 230V | - | 1NC | - | GS1 JRMF-01-Z-220-GN |
| ● Yellow | 230V | - | 1NC | - | GS1 JRMF-01-Z-220-GB |
| ● Blue   | 230V | - | 1NC | - | GS1 JRMF-01-Z-220-BL |
| ○ Clear  | 230V | - | 1NC | - | GS1 JRMF-01-Z-220-KL |

### 1NO 1NC Maintained/Latching - 230V

|          |      |   |   |         |                      |
|----------|------|---|---|---------|----------------------|
| ● Red    | 230V | - | - | 1NO 1NC | GS1 JRMF-11-Z-220-RT |
| ● Green  | 230V | - | - | 1NO 1NC | GS1 JRMF-11-Z-220-GN |
| ● Yellow | 230V | - | - | 1NO 1NC | GS1 JRMF-11-Z-220-GB |
| ● Blue   | 230V | - | - | 1NO 1NC | GS1 JRMF-11-Z-220-BL |
| ○ Clear  | 230V | - | - | 1NO 1NC | GS1 JRMF-11-Z-220-KL |

### 2NO 2NC Maintained/Latching - 230V

|          |      |   |   |         |                      |
|----------|------|---|---|---------|----------------------|
| ● Red    | 230V | - | - | 2NO 2NC | GS1 JRMF-22-Z-220-RT |
| ● Green  | 230V | - | - | 2NO 2NC | GS1 JRMF-22-Z-220-GN |
| ● Yellow | 230V | - | - | 2NO 2NC | GS1 JRMF-22-Z-220-GB |
| ● Blue   | 230V | - | - | 2NO 2NC | GS1 JRMF-22-Z-220-BL |
| ○ Clear  | 230V | - | - | 2NO 2NC | GS1 JRMF-22-Z-220-KL |

| Illustration  | Switching Position                              | Possible Contact Configuration | Part Number |               |
|---|---|--------------------------------|-------------|---------------|
| <b>Selector Switch_JRMGWA (Silver-coloured Bezel)</b>   |   |                                |             |               |
| <p><i>Dimensional Drawing:</i></p> <p><i>Cut-out Hole Drawing:</i></p> <p><i>Award:</i></p>                         | <b>2 Position : 1NO Maintained/Latching</b>     |                                | 1NO         | GS1 JRMGWA-10 |
|   | <b>2 Position : 2NO Maintained/Latching</b>     |                                | 2NO         | GS1 JRMGWA-20 |
|   | <b>3 Position : 1NO+1NO Maintained/Latching</b> |                                | 1NO+1NO     | GS1 JRMGWB-20 |
|   | <b>3 Position : 2NO 2NO Maintained/Latching</b> |                                | 2NO+2NO     | GS1 JRMGWB-40 |
| <p><b>Legend:</b><br/>                       = Switching Position<br/>                     &gt; = Spring Return</p> |   |                                |             |               |

|   |   |  |         |                  |
|---|---|--|---------|------------------|
| <b>Selector Switch_JRMSSA14E (Silver-coloured Bezel)</b>  |   |  |         |                  |
| <p><i>Dimensional Drawing:</i></p> <p><i>Cut-out Hole Drawing:</i></p> <p><i>Award:</i></p>   | <b>2 Position : 1NO Maintained/Latching</b>     |  | 1NO     | GS1 JRMSSA14E-10 |
|   | <b>2 Position : 2NO Maintained/Latching</b>     |  | 2NO     | GS1 JRMSSA14E-20 |
|   | <b>3 Position : 1NO 1NO Maintained/Latching</b> |  | 1NO+1NO | GS1 JRMSSA13E-20 |
|   | <b>3 Position : 2NO 2NO Maintained/Latching</b> |  | 2NO+2NO | GS1 JRMSSA13E-40 |
| <p><b>Legend:</b><br/>                       = Switching Position<br/>                     &gt; = Spring Return<br/>                     ○ = Key Removable Position</p> |   |  |         |                  |



| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration |  |  | Part Number |
|--------------|-------------|--------------|--------------------------------|--|--|-------------|
|--------------|-------------|--------------|--------------------------------|--|--|-------------|

## Pilot Light\_JRMN (Silver-coloured Bezel)



### 24V

|          |     |   |   |   |                |
|----------|-----|---|---|---|----------------|
| ● Red    | 24V | - | - | - | GS1 JRMN-24-RT |
| ● Green  | 24V | - | - | - | GS1 JRMN-24-GN |
| ● Yellow | 24V | - | - | - | GS1 JRMN-24-GB |
| ● Blue   | 24V | - | - | - | GS1 JRMN-24-BL |
| ○ Clear  | 24V | - | - | - | GS1 JRMN-24-KL |

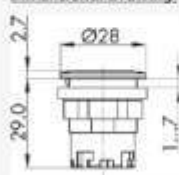
### 230V

|          |      |   |   |   |                 |
|----------|------|---|---|---|-----------------|
| ● Red    | 230V | - | - | - | GS1 JRMN-220-RT |
| ● Green  | 230V | - | - | - | GS1 JRMN-220-GN |
| ● Yellow | 230V | - | - | - | GS1 JRMN-220-GB |
| ● Blue   | 230V | - | - | - | GS1 JRMN-220-BL |
| ○ Clear  | 230V | - | - | - | GS1 JRMN-220-KL |

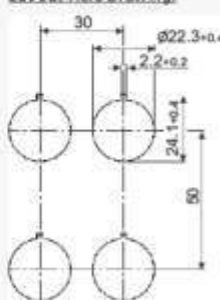
### Dual Colour - 24V

|             |     |   |   |   |                  |
|-------------|-----|---|---|---|------------------|
| ● Red-Green | 24V | - | - | - | GS1 JRMN-24-KLRG |
|-------------|-----|---|---|---|------------------|

Dimensional Drawing:



Cut-out Hole Drawing:



Award:



reddot award 2018 winner

## Technical Specification

### General Data:

|                     |  |
|---------------------|--|
| Front Dimensions:   | Ø 28 mm                                  |
| Panel Cut-out:      | Ø 22.3 mm                                |
| Front Bezel Height: | 2 mm                                     |
| Operating Travel:   | 6 mm                                     |
| IP Rating:          | IP65                                     |
| Illumination:       | Yes                                      |
| Contact Type:       | Modular Contact Block                    |
| Protection Class:   | II (protective insulation)               |
| Connection Type:    | Screw Connection 2 x 2.5 mm <sup>2</sup> |
| Contact Material:   | AgNi                                     |

|                             |  |
|-----------------------------|--|
| Max. Storage Temperature:   | -50°C ... 85°C   |
| Max. Operating Temperature: | -50°C ... 85°C, without illumination<br>-30°C ... 65°C, using LEDs |
| Mechanical Life:            | 1 m switching cycles   |
| Electrical Life:            | 1 m operations at rated load                                       |
| Contact Resistance NO:      | <20 mOhm   |
| Contact Resistance NC:      | <20 mOhm   |
| Min. Current:               | 1 mA   |
| Min. Voltage:               | 5V   |








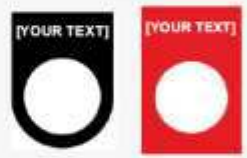
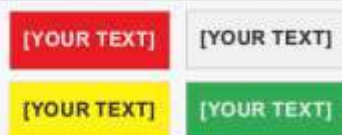

|                           | Alternate Current | Direct Current                 |
|---------------------------|-------------------|--------------------------------|
| Rated Insulation Voltage: | 600V              | 600V                           |
| Rated Operating Voltage:  | 240V / 440V       | 440V / 250V / 125V / 60V / 24V |
| Rated Operating Current:  | 3A / 1.6A         | 0.12A / 0.2A / 0.4A / 1A / 2A  |

### Approvals:



### Use & Applications:

- ✓ The actuators are designed for exclusive applications as well as use in harsh environments.
- ✓ Flexible contact configuration and ease of assembly.
- ✓ The units can be used in every field of application.
- ✓ The control units are designed to accept a clearly visible marking, easy to produce and comprising a variety of symbols and inscriptions.
- ✓ Multiple standards nameplates are available and also according to user's requirements.

| Illustration  | Description   | Part Number  |  |
|---|---|--|--|
|    | <b>BA9S LED</b><br><b>24V AC/DC</b>   | <input checked="" type="radio"/> Red<br><input type="radio"/> Green<br><input type="radio"/> Yellow<br><input type="radio"/> Blue<br><input type="radio"/> Clear<br> | <b>9ML BA9SD-24-R</b><br><b>9ML BA9SD-24-G</b><br><b>9ML BA9SD-24-Y</b><br><b>9ML BA9SD-24-B</b><br><b>9ML BA9SD-24-W</b>                |
|   |   | <input checked="" type="radio"/> Red   | <b>90T BA9SD-24-RG</b>   |
|    | <b>BA9S LED</b><br><b>115V AC/DC</b>  | <input checked="" type="radio"/> Red<br><input type="radio"/> Green<br><input type="radio"/> Yellow<br><input type="radio"/> Blue<br><input type="radio"/> Clear     | <b>9ML BA9SD-115AC-R</b><br><b>9ML BA9SD-115AC-G</b><br><b>9ML BA9SD-115AC-Y</b><br><b>9ML BA9SD-115AC-B</b><br><b>9ML BA9SD-115AC-W</b> |
|   |   | <input type="radio"/> Clear  |  |
|    | <b>BA9S LED</b><br><b>230 AC/DC</b>   | <input checked="" type="radio"/> Red<br><input type="radio"/> Green<br><input type="radio"/> Yellow<br><input type="radio"/> Blue<br><input type="radio"/> Clear     | <b>9ML BA9SD-230AC-R</b><br><b>9ML BA9SD-230AC-G</b><br><b>9ML BA9SD-230AC-Y</b><br><b>9ML BA9SD-230AC-B</b><br><b>9ML BA9SD-230AC-W</b> |
|   |   | <input type="radio"/> Clear  |  |
|   | <b>Lead-sealable Protective Lid</b><br>from -30°C to +70°C  | <input type="radio"/> Transparent  | <b>GS1 KDP22RR</b>   |
|  | <b>Lead-sealable, Robust Protective Lid</b><br>Lifetime: > 100,000 cycles   | <input type="radio"/> Transparent<br><input checked="" type="radio"/> Black  | <b>GS1 KDPR22RR</b><br><b>GS1 KDPR22RR_SW</b>  |
|  | <b>Robust Aluminium Protective Cap</b><br>- captive lid, threadable<br>- suitable for all jacks of the Rontron-R-Juwel series   | <input checked="" type="radio"/> Silver-coloured   | <b>GS1 AK22RRSW</b>  |
|  | <b>Universal Lens Remover</b>   |  | <b>GS1 USK</b>   |
|  | <b>External Nameplate w/ adhesive</b><br>- For outside marking of the actuators<br>- Cut-out hole diameter 22mm<br>- Text and Dimension can be customized<br>- <i>other colours are available: White, Yellow, Green, Blue &amp; etc.</i>            |  |  |
|  | <b>Customize Nameplate w/ adhesive</b><br>- For outside marking of the actuators<br>- Text and Dimension can be customized<br>- <i>Other colours are available: Black, Blue &amp; etc.</i>  |  |  |
|  | <b>Emergency Stop Nameplate w/ adhesive</b><br>- For outside marking of the actuators<br>- Cut-out hole diameter 22mm<br>- Text and Outer Dimension can be customized<br>- <i>Other colours are available: White, Green, Blue, Black &amp; etc.</i> |  |  |

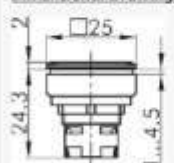


| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number | Suitable Contact Block |
|--------------|-------------|--------------|--------------------------------|-------------|------------------------|
|--------------|-------------|--------------|--------------------------------|-------------|------------------------|

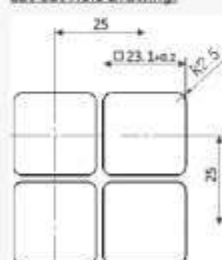
### Pushbutton\_OKJT



Dimensional Drawing:



Cut-out Hole Drawing:



#### 1NO Momentary/Spring Return

|        |   |     |   |   |                 |
|--------|---|-----|---|---|-----------------|
| Red    | - | 1NO | - | - | GS1 OKJT-10K-RT |
| Green  | - | 1NO | - | - | GS1 OKJT-10K-GN |
| Yellow | - | 1NO | - | - | GS1 OKJT-10K-GB |
| Blue   | - | 1NO | - | - | GS1 OKJT-10K-BL |
| Clear  | - | 1NO | - | - | GS1 OKJT-10K-KL |

#### 1NC Momentary/Spring Return

|        |   |   |     |   |                 |
|--------|---|---|-----|---|-----------------|
| Red    | - | - | 1NC | - | GS1 OKJT-01K-RT |
| Green  | - | - | 1NC | - | GS1 OKJT-01K-GN |
| Yellow | - | - | 1NC | - | GS1 OKJT-01K-GB |
| Blue   | - | - | 1NC | - | GS1 OKJT-01K-BL |
| Clear  | - | - | 1NC | - | GS1 OKJT-01K-KL |

#### 1NO 1NC Momentary/Spring Return

|        |   |   |   |         |                 |
|--------|---|---|---|---------|-----------------|
| Red    | - | - | - | 1NO 1NC | GS1 OKJT-11K-RT |
| Green  | - | - | - | 1NO 1NC | GS1 OKJT-11K-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 OKJT-11K-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 OKJT-11K-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 OKJT-11K-KL |

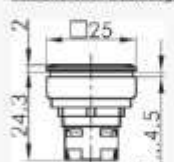
#### 1NO 1NC Maintained/Latching

|        |   |   |   |         |                   |
|--------|---|---|---|---------|-------------------|
| Red    | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-RT |
| Green  | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-KL |

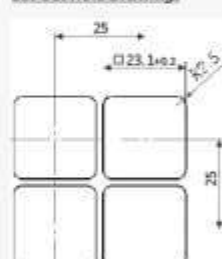
### Illuminated Pushbutton\_OKJT



Dimensional Drawing:



Cut-out Hole Drawing:



#### 1NO Momentary/Spring Return - 24V

|        |   |     |   |   |                    |
|--------|---|-----|---|---|--------------------|
| Red    | - | 1NO | - | - | GS1 OKJT-10K-24-RT |
| Green  | - | 1NO | - | - | GS1 OKJT-10K-24-GN |
| Yellow | - | 1NO | - | - | GS1 OKJT-10K-24-GB |
| Blue   | - | 1NO | - | - | GS1 OKJT-10K-24-BL |
| Clear  | - | 1NO | - | - | GS1 OKJT-10K-24-KL |

#### 1NC Momentary/Spring Return - 24V

|        |   |   |     |   |                    |
|--------|---|---|-----|---|--------------------|
| Red    | - | - | 1NC | - | GS1 OKJT-01K-24-RT |
| Green  | - | - | 1NC | - | GS1 OKJT-01K-24-GN |
| Yellow | - | - | 1NC | - | GS1 OKJT-01K-24-GB |
| Blue   | - | - | 1NC | - | GS1 OKJT-01K-24-BL |
| Clear  | - | - | 1NC | - | GS1 OKJT-01K-24-KL |

#### 1NO 1NC Momentary/Spring Return - 24V

|        |   |   |   |         |                    |
|--------|---|---|---|---------|--------------------|
| Red    | - | - | - | 1NO 1NC | GS1 OKJT-11K-24-RT |
| Green  | - | - | - | 1NO 1NC | GS1 OKJT-11K-24-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 OKJT-11K-24-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 OKJT-11K-24-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 OKJT-11K-24-KL |

#### 1NO 1NC Maintained/Latching - 24V

|        |   |   |   |         |                      |
|--------|---|---|---|---------|----------------------|
| Red    | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-24-RT |
| Green  | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-24-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-24-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-24-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 OKJT-11K-Z-24-KL |

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number | Suitable Contact Block |
|--------------|-------------|--------------|--------------------------------|-------------|------------------------|
|--------------|-------------|--------------|--------------------------------|-------------|------------------------|

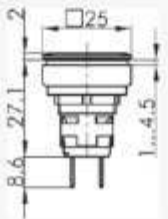
### Pilot Light\_OKJL4



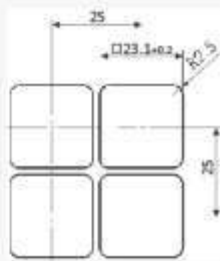
#### 24V

|        |     |   |   |   |                 |
|--------|-----|---|---|---|-----------------|
| Red    | 24V | - | - | - | GS1 OKJL4-24-RT |
| Green  | 24V | - | - | - | GS1 OKJL4-24-GN |
| Yellow | 24V | - | - | - | GS1 OKJL4-24-GB |
| Blue   | 24V | - | - | - | GS1 OKJL4-24-BL |
| Clear  | 24V | - | - | - | GS1 OKJL4-24-KL |

Dimensional Drawing:



Cut-out Hole Drawing:



| Illustration | Switching Position | Possible Contact Configuration | Part Number |
|--------------|--------------------|--------------------------------|-------------|
|--------------|--------------------|--------------------------------|-------------|

### Selector Switch\_OKJWA



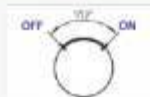
#### 2 Position : 1NO Maintained/Latching



1NO

GS1 OKJWA-10K

#### 2 Position : 2NO Maintained/Latching



2NO

GS1 OKJWA-20K

#### 2 Position : 1NO 1NC Maintained/Latching



1NO 1NC

GS1 OKJWA-11K

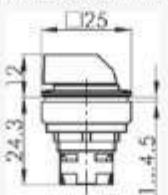
#### 3 Position : 1NO+1NO Maintained/Latching



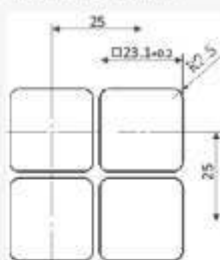
1NO+1NO

GS1 OKJWB-20K

Dimensional Drawing:



Cut-out Hole Drawing:



Legend:  
 | = Switching Position  
 > = Spring Return



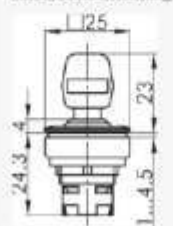
| Illustration | Switching Position | Possible Contact Configuration | Part Number |
|--------------|--------------------|--------------------------------|-------------|
|--------------|--------------------|--------------------------------|-------------|

### Key Switch\_OKJSSA14

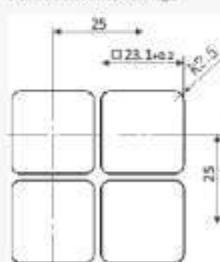
IP65



Dimensional Drawing:

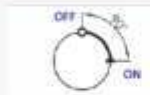


Cut-out Hole Drawing:



Legend:  
 I = Switching Position  
 > = Spring Return  
 o = Key Removable Position

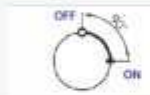
#### 2 Position : 1NO Maintained/Latching



1NO

GS1 OKJSSA14-10K

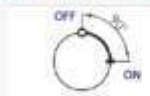
#### 2 Position : 2NO Maintained/Latching



2NO

GS1 OKJSSA14-20K

#### 2 Position : 1NO 1NC Maintained/Latching



1NO 1NC

GS1 OKJSSA14-11K

#### 3 Position : 1NO+1NO Maintained/Latching



1NO+1NO

GS1 OKJSSA13-20K

## Technical Specification

### General Data:

|                     |   |
|---------------------|---|
| Front Dimensions:   | 25 x 25 mm  |
| Panel Cut-out:      | 23.1 x 23.1 mm  |
| Front Bezel Height: | 2 mm  |
| Operating Travel:   | 3 mm  |
| IP Rating:          | IP65  |
| Illumination:       | Yes   |
| Contact Type:       | Twin contact block. Separate plungers, positive opening contact |
| Protection Class:   | II (protective insulation)                                      |
| Connection Type:    | Screw Connection  |
| Contact Material:   | AgNi  |

|                             |  |
|-----------------------------|--|
| Max. Storage Temperature:   | -50°C ... 85°C   |
| Max. Operating Temperature: | -50°C ... 85°C, without illumination<br>-30°C ... 65°C, using LEDs |
| Mechanical Life:            | 1 m switching cycles   |
| Electrical Life:            | 1 m operations at rated load                                       |
| Contact Resistance NO:      | <20 mOhm   |
| Contact Resistance NC:      | <20 mOhm   |
| Min. Current:               | 1 mA   |
| Min. Voltage:               | 5V   |

|                           | Alternate Current | Direct Current          |
|---------------------------|-------------------|-------------------------|
| Rated Insulation Voltage: | 250V              | 300V                    |
| Rated Operating Voltage:  | 250V              | 250V / 125V / 60V / 24V |
| Rated Operating Current:  | 1.5A              | 0.2A / 0.4A / 1A / 2A   |

### Approvals:



### Use & Applications:

- ✓ The actuators are designed for exclusive applications as well as use in harsh environments.
- ✓ Flexible contact configuration and ease of assembly.
- ✓ The units can be used in every field of application.
- ✓ The control units are designed to accept a clearly visible marking, easy to produce and comprising a variety of symbols and inscriptions.
- ✓ Multiple standards nameplates are available and also according to user's requirements.

| Illustration | Description | Part Number |
|--------------|-------------|-------------|
|--------------|-------------|-------------|



### Wedge W2x4.6/T5 LED 24V DC

- Red
- Green
- Yellow
- Blue
- Clear

- 
- 
- 
- 
- 

IP40



### Protective Lid

- For pushbutton and jacks

- Transparent



### Universal Lens Remover

[YOUR TEXT]

[YOUR TEXT]

[YOUR TEXT]

[YOUR TEXT]

### Customize Nameplate w/ adhesive

- For outside marking of the actuators
- Text and Dimension can be customized
- *Other colours are available: Black, Blue & etc.*



### Emergency Stop Nameplate w/ adhesive

- For outside marking of the actuators
- Cut-out hole diameter 23 x 23 mm
- Text and Outer Dimension can be customized
- *Other colours are available: White, Green, Blue, Black & etc.*

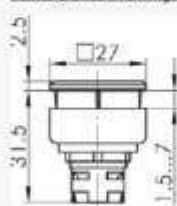


| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

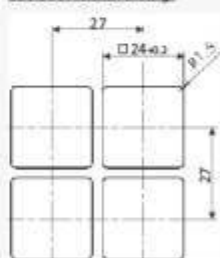
## Pushbutton\_QXJT



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Momentary/Spring Return

|        |   |     |   |   |                |
|--------|---|-----|---|---|----------------|
| Red    | - | 1NO | - | - | GS1 QXJT-10-RT |
| Green  | - | 1NO | - | - | GS1 QXJT-10-GN |
| Yellow | - | 1NO | - | - | GS1 QXJT-10-GB |
| Blue   | - | 1NO | - | - | GS1 QXJT-10-BL |
| Clear  | - | 1NO | - | - | GS1 QXJT-10-KL |

### 1NC Momentary/Spring Return

|        |   |   |     |   |                |
|--------|---|---|-----|---|----------------|
| Red    | - | - | 1NC | - | GS1 QXJT-01-RT |
| Green  | - | - | 1NC | - | GS1 QXJT-01-GN |
| Yellow | - | - | 1NC | - | GS1 QXJT-01-GB |
| Blue   | - | - | 1NC | - | GS1 QXJT-01-BL |
| Clear  | - | - | 1NC | - | GS1 QXJT-01-KL |

### 1NO 1NC Momentary/Spring Return

|        |   |   |   |         |                |
|--------|---|---|---|---------|----------------|
| Red    | - | - | - | 1NO 1NC | GS1 QXJT-11-RT |
| Green  | - | - | - | 1NO 1NC | GS1 QXJT-11-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 QXJT-11-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 QXJT-11-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 QXJT-11-KL |

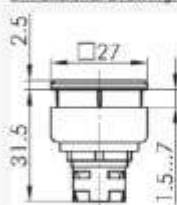
### 2NO 2NC Momentary/Spring Return

|        |   |   |   |         |                |
|--------|---|---|---|---------|----------------|
| Red    | - | - | - | 2NO 2NC | GS1 QXJT-22-RT |
| Green  | - | - | - | 2NO 2NC | GS1 QXJT-22-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 QXJT-22-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 QXJT-22-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 QXJT-22-KL |

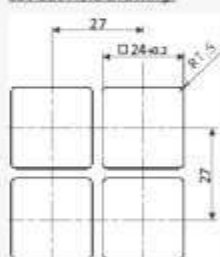
## Pushbutton\_QXJT



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO 1NC Maintained/Latching

|        |   |   |   |         |                  |
|--------|---|---|---|---------|------------------|
| Red    | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-RT |
| Green  | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-KL |

### 2NO 2NC Maintained/Latching

|        |   |   |   |         |                  |
|--------|---|---|---|---------|------------------|
| Red    | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-RT |
| Green  | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-KL |

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

### Illuminated Pushbutton\_QXJT



#### 1NO 1NC Momentary/Spring Return - 24V

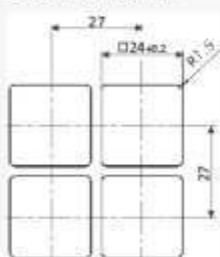
|        |   |   |   |         |                   |
|--------|---|---|---|---------|-------------------|
| Red    | - | - | - | 1NO 1NC | GS1 QXJT-11-24-RT |
| Green  | - | - | - | 1NO 1NC | GS1 QXJT-11-24-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 QXJT-11-24-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 QXJT-11-24-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 QXJT-11-24-KL |

#### 2NO 2NC Momentary/Spring Return - 24V

|        |   |   |   |         |                   |
|--------|---|---|---|---------|-------------------|
| Red    | - | - | - | 2NO 2NC | GS1 QXJT-22-24-RT |
| Green  | - | - | - | 2NO 2NC | GS1 QXJT-22-24-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 QXJT-22-24-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 QXJT-22-24-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 QXJT-22-24-KL |

Dimensional Drawing:

Cut-out Hole Drawing:



#### 1NO 1NC Maintained/Latching - 24V

|        |   |   |   |         |                     |
|--------|---|---|---|---------|---------------------|
| Red    | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-24-RT |
| Green  | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-24-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-24-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-24-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 QXJT-11-Z-24-KL |

#### 2NO 2NC Maintained/Latching - 24V

|        |   |   |   |         |                     |
|--------|---|---|---|---------|---------------------|
| Red    | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-24-RT |
| Green  | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-24-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-24-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-24-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 QXJT-22-Z-24-KL |

### Pilot Light\_QXJL5

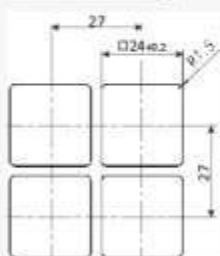
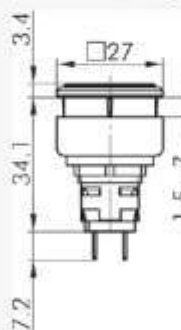


#### 24V

|        |     |   |   |   |                 |
|--------|-----|---|---|---|-----------------|
| Red    | 24V | - | - | - | GS1 QXJL5-24-RT |
| Green  | 24V | - | - | - | GS1 QXJL5-24-GN |
| Yellow | 24V | - | - | - | GS1 QXJL5-24-GB |
| Blue   | 24V | - | - | - | GS1 QXJL5-24-BL |
| Clear  | 24V | - | - | - | GS1 QXJL5-24-KL |

Dimensional Drawing:

Cut-out Hole Drawing:





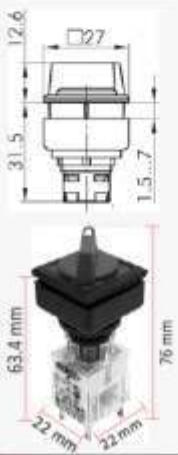
24 x 24 mm

| Illustration | Switching Position | Possible Contact Configuration | Part Number |
|--------------|--------------------|--------------------------------|-------------|
|--------------|--------------------|--------------------------------|-------------|

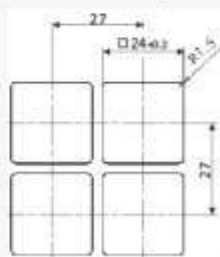
## Selector Switch\_QXJWA



Dimensional Drawing:



Cut-out Hole Drawing:



Legend:  
 | = Switching Position  
 > = Spring Return

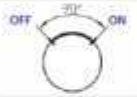
### 2 Position : 1NO Maintained/Latching



1NO

GS1 QXJWA-10

### 2 Position : 1NO 1NC Maintained/Latching



1NO 1NC

GS1 QXJWA-11

### 2 Position : 2NO 2NC Maintained/Latching



2NO 2NC

GS1 QXJWA-22

### 3 Position : 1NO+1NO Maintained/Latching



1NO+1NO

GS1 QXJWB-20

### 3 Position : 2NO+2NO Maintained/Latching



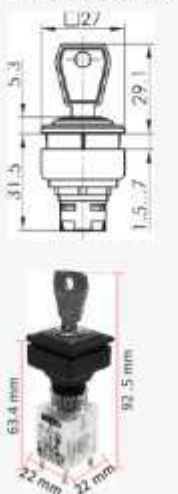
2NO+2NO

GS1 QXJWB-40

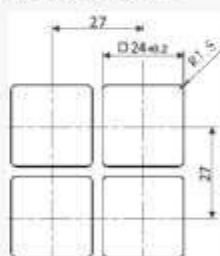
## Key Switch\_QXJSSA



Dimensional Drawing:



Cut-out Hole Drawing:



Legend:  
 | = Switching Position  
 > = Spring Return  
 o = Key Removable Position

### 2 Position : 1NO Maintained/Latching



1NO

GS1 QXJSSA14E-10

### 2 Position : 1NO 1NC Maintained/Latching



1NO 1NC

GS1 QXJSSA14E-11

### 2 Position : 2NO 2NC Maintained/Latching



2NO 2NC

GS1 QXJSSA14E-22

### 3 Position : 1NO+1NO Maintained/Latching



1NO+1NO

GS1 QXJSSA13E-20

### 3 Position : 2NO+2NO Maintained/Latching



2NO 2NO

GS1 QXJSSA13E-40

| Illustration | Description | Part Number |
|--------------|-------------|-------------|
|--------------|-------------|-------------|

|  |                                  |  |                        |
|--|----------------------------------|--|------------------------|
|  | <b>T5.5 LED</b><br><b>24V DC</b> | <input checked="" type="checkbox"/> Red    | <b>9ML T5.5KO-R-24</b> |
|  |                                  | <input checked="" type="checkbox"/> Green  | <b>9ML T5.5KO-G-24</b> |
|  |                                  | <input checked="" type="checkbox"/> Yellow | <b>9ML T5.5KO-Y-24</b> |
|  |                                  | <input checked="" type="checkbox"/> Blue   | <b>9ML T5.5KO-B-24</b> |
|  |                                  | <input type="checkbox"/> Clear             | <b>9ML T5.5KO-W-24</b> |

|  |  |   |                                  |
|--|--|---|----------------------------------|
|  | <b>Lead- Sealable Protective Lid</b><br>- For pushbutton and jacks | <input type="checkbox"/> Transparent      | <b>GS1 KDP24 &amp; GS1 KDQ24</b> |
|  |  | <input checked="" type="checkbox"/> Black |                                  |

|  |                               |                |
|--|-------------------------------|----------------|
|  | <b>Universal Lens Remover</b> | <b>GS1 USK</b> |
|--|-------------------------------|----------------|

|  |  |
|--|--|
|  | <b>Customize Nameplate w/ adhesive</b><br>- For outside marking of the actuators<br>- Text and Dimension can be customized<br>- <i>Other colours are available: Black, Blue &amp; etc.</i> |
|--|--|

|  |   |
|--|---|
|  | <b>Emergency Stop Nameplate w/ adhesive</b><br>- For outside marking of the actuators<br>- Cut-out hole diameter 23 x 23 mm<br>- Text and Outer Dimension can be customized<br>- <i>Other colours are available: White, Green, Blue, Black &amp; etc.</i> |
|--|---|

## Technical Specification

### General Data:

|                     |   |
|---------------------|---|
| Front Dimensions:   | 27 x 27 mm  |
| Panel Cut-out:      | 24 x 24 mm  |
| Front Bezel Height: | 2.5 mm  |
| Operating Travel:   | 6 mm  |
| IP Rating:          | IP65  |
| Illumination:       | Yes   |
| Contact Type:       | Twin contact block. Separate plungers, positive opening contact |
| Protection Class:   | II (protective insulation)                                      |
| Connection Type:    | Faston Terminal 2.8 x 0.8 mm                                    |
| Contact Material:   | AgNi  |

|                             |  |
|-----------------------------|--|
| Max. Storage Temperature:   | -50°C ... 85°C   |
| Max. Operating Temperature: | -50°C ... 85°C, without illumination<br>-30°C ... 65°C, using LEDs |
| Mechanical Life:            | 1 m switching cycles   |
| Electrical Life:            | 1 m operations at rated load                                       |
| Contact Resistance NO:      | <20 mOhm   |
| Contact Resistance NC:      | <20 mOhm   |
| Min. Current:               | 1 mA   |
| Min. Voltage:               | 5V   |

|                           | Alternate Current | Direct Current          |
|---------------------------|-------------------|-------------------------|
| Rated Insulation Voltage: | 250V              | 300V                    |
| Rated Operating Voltage:  | 250V              | 250V / 125V / 60V / 24V |
| Rated Operating Current:  | 3A                | 0.2A / 0.4A / 1A / 2A   |

### Approvals:



### Use & Applications:

- ✓ The actuators are designed for exclusive applications, mosaic panel as well as use in harsh environments.
- ✓ Flexible contact configuration and ease of assembly.
- ✓ The units can be used in every field of application.
- ✓ The control units are designed to accept a clearly visible marking, easy to produce and comprising a variety of symbols and inscriptions.
- ✓ Multiple standards nameplates are available and also according to user's requirements.



# MUSHROOM HEAD PUSHBUTTONS

Ø 22.3 mm

| Illustration | Colour | Possible Contact Configuration | Part Number |
|--------------|--------|--------------------------------|-------------|
|--------------|--------|--------------------------------|-------------|

## Emergency Stop Turn To Reset (Faston Terminal)

IP66  
IP67  
IP69H

3mm

TUV

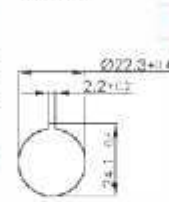
RU



Dimensional Drawing:



Cut-out Hole Drawing:



- Red
- Red
- Red

- 1NC
- 2NC
- 1NO 1NC

- GS1 RRJUV-01-RT
- GS1 RRJUV-02-RT
- GS1 RRJUV-11-RT

Awards:



Focus Open  
Saber 2010

## Emergency Stop Turn To Reset (Faston Terminal)

IP65

TUV

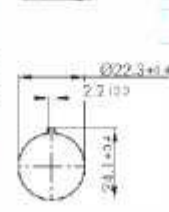
RU



Dimensional Drawing:



Cut-out Hole Drawing:



- Red
- Red
- Red

- 1NC
- 1NO 1NC
- 2NO 2NC

- GS1 RXJUV-01-RT
- GS1 RXJUV-11-RT
- GS1 RXJUV-22-RT

## Emergency Stop Turn To Reset (Screw Terminal)

IP65

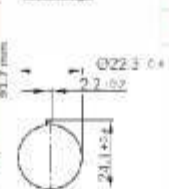
3mm



Dimensional Drawing:



Cut-out Hole Drawing:



- Red
- Red
- Red

- 1NC
- 2NC
- 1NO 1NC

- GS1 RMCV-01-RT
- GS1 RMCV-02-RT
- GS1 RMCV-11-RT

Awards:



## Emergency Stop Momentary (Screw Terminal)

IP65

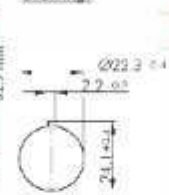
3mm



Dimensional Drawing:



Cut-out Hole Drawing:



- Red
- Red
- Red

- 1NC
- 2NC
- 1NO 1NC

- GS1 RMCS-01-RT
- GS1 RMCS-02-RT
- GS1 RMCS-11-RT

Awards:



## Emergency Stop Momentary (Faston Terminal)

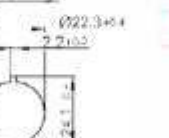
3mm



Dimensional Drawing:



Cut-out Hole Drawing:



- Red
- Red
- Red

- 1NC
- 1NO 1NC
- 2NO 2NC

- GS1 RXJS-01-RT
- GS1 RXJS-11-RT
- GS1 RXJS-22-RT

## Protective Guard for Emergency Stop



95E PG225032



95E PG225542

**Diameter**

50 mm

55 mm

**Height**

32 mm

42 mm

**E-Stop Type**

RRJUV / RXJUV

RMCV

95E PG225032

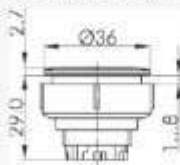
95E PG225542

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

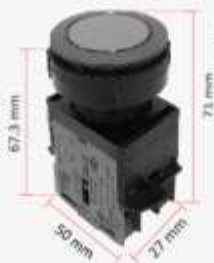
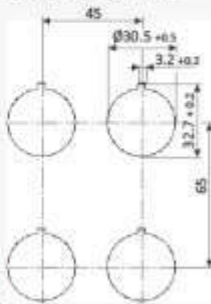
## Pushbutton\_KRJT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Momentary/Spring Return

|          |   |     |   |   |                |
|----------|---|-----|---|---|----------------|
| ● Red    | - | 1NO | - | - | GS1 KRJT-10-RT |
| ● Green  | - | 1NO | - | - | GS1 KRJT-10-GN |
| ● Yellow | - | 1NO | - | - | GS1 KRJT-10-GB |
| ● Blue   | - | 1NO | - | - | GS1 KRJT-10-BL |
| ○ Clear  | - | 1NO | - | - | GS1 KRJT-10-KL |

### 1NC Momentary/Spring Return

|          |   |   |     |   |                |
|----------|---|---|-----|---|----------------|
| ● Red    | - | - | 1NC | - | GS1 KRJT-01-RT |
| ● Green  | - | - | 1NC | - | GS1 KRJT-01-GN |
| ● Yellow | - | - | 1NC | - | GS1 KRJT-01-GB |
| ● Blue   | - | - | 1NC | - | GS1 KRJT-01-BL |
| ○ Clear  | - | - | 1NC | - | GS1 KRJT-01-KL |

### 1NO 1NC Momentary/Spring Return

|          |   |   |   |         |                |
|----------|---|---|---|---------|----------------|
| ● Red    | - | - | - | 1NO 1NC | GS1 KRJT-11-RT |
| ● Green  | - | - | - | 1NO 1NC | GS1 KRJT-11-GN |
| ● Yellow | - | - | - | 1NO 1NC | GS1 KRJT-11-GB |
| ● Blue   | - | - | - | 1NO 1NC | GS1 KRJT-11-BL |
| ○ Clear  | - | - | - | 1NO 1NC | GS1 KRJT-11-KL |

### 2NO 2NC Momentary/Spring Return

|          |   |   |   |         |                |
|----------|---|---|---|---------|----------------|
| ● Red    | - | - | - | 2NO 2NC | GS1 KRJT-22-RT |
| ● Green  | - | - | - | 2NO 2NC | GS1 KRJT-22-GN |
| ● Yellow | - | - | - | 2NO 2NC | GS1 KRJT-22-GB |
| ● Blue   | - | - | - | 2NO 2NC | GS1 KRJT-22-BL |
| ○ Clear  | - | - | - | 2NO 2NC | GS1 KRJT-22-KL |

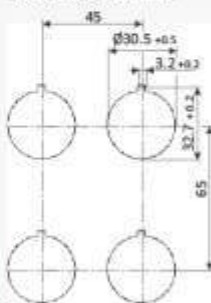
## Pushbutton\_KRJT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Maintained/Latching

|          |   |     |   |   |                  |
|----------|---|-----|---|---|------------------|
| ● Red    | - | 1NO | - | - | GS1 KRJT-10-Z-RT |
| ● Green  | - | 1NO | - | - | GS1 KRJT-10-Z-GN |
| ● Yellow | - | 1NO | - | - | GS1 KRJT-10-Z-GB |
| ● Blue   | - | 1NO | - | - | GS1 KRJT-10-Z-BL |
| ○ Clear  | - | 1NO | - | - | GS1 KRJT-10-Z-KL |

### 1NC Maintained/Latching

|          |   |   |     |   |                  |
|----------|---|---|-----|---|------------------|
| ● Red    | - | - | 1NC | - | GS1 KRJT-01-Z-RT |
| ● Green  | - | - | 1NC | - | GS1 KRJT-01-Z-GN |
| ● Yellow | - | - | 1NC | - | GS1 KRJT-01-Z-GB |
| ● Blue   | - | - | 1NC | - | GS1 KRJT-01-Z-BL |
| ○ Clear  | - | - | 1NC | - | GS1 KRJT-01-Z-KL |

### 1NO 1NC Maintained/Latching

|          |   |   |   |         |                  |
|----------|---|---|---|---------|------------------|
| ● Red    | - | - | - | 1NO 1NC | GS1 KRJT-11-Z-RT |
| ● Green  | - | - | - | 1NO 1NC | GS1 KRJT-11-Z-GN |
| ● Yellow | - | - | - | 1NO 1NC | GS1 KRJT-11-Z-GB |
| ● Blue   | - | - | - | 1NO 1NC | GS1 KRJT-11-Z-BL |
| ○ Clear  | - | - | - | 1NO 1NC | GS1 KRJT-11-Z-KL |

### 2NO 2NC Maintained/Latching

|          |   |   |   |         |                  |
|----------|---|---|---|---------|------------------|
| ● Red    | - | - | - | 2NO 2NC | GS1 KRJT-22-Z-RT |
| ● Green  | - | - | - | 2NO 2NC | GS1 KRJT-22-Z-GN |
| ● Yellow | - | - | - | 2NO 2NC | GS1 KRJT-22-Z-GB |
| ● Blue   | - | - | - | 2NO 2NC | GS1 KRJT-22-Z-BL |
| ○ Clear  | - | - | - | 2NO 2NC | GS1 KRJT-22-Z-KL |



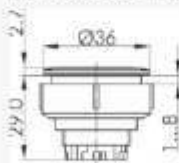
Ø 30.5 mm

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

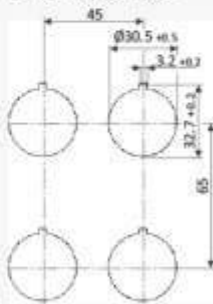
## Illuminated Pushbutton\_KRJT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Momentary/Spring Return - 24V

|          |     |     |   |   |                   |
|----------|-----|-----|---|---|-------------------|
| ● Red    | 24V | 1NO | - | - | GS1 KRJT-10-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 KRJT-10-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 KRJT-10-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 KRJT-10-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 KRJT-10-24-KL |

### 1NC Momentary/Spring Return - 24V

|          |     |   |     |   |                   |
|----------|-----|---|-----|---|-------------------|
| ● Red    | 24V | - | 1NC | - | GS1 KRJT-01-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 KRJT-01-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 KRJT-01-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 KRJT-01-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 KRJT-01-24-KL |

### 1NO 1NC Momentary/Spring Return - 24V

|          |     |   |   |         |                   |
|----------|-----|---|---|---------|-------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 KRJT-11-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 KRJT-11-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 KRJT-11-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 KRJT-11-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 KRJT-11-24-KL |

### 2NO 2NC Momentary/Spring Return - 24V

|          |     |   |   |         |                   |
|----------|-----|---|---|---------|-------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 KRJT-22-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 KRJT-22-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 KRJT-22-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 KRJT-22-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 KRJT-22-24-KL |

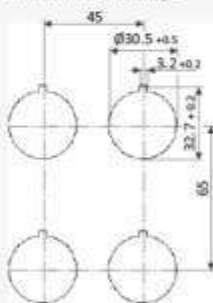
## Illuminated Pushbutton\_KRJT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Maintained/Latching - 24V

|          |     |     |   |   |                     |
|----------|-----|-----|---|---|---------------------|
| ● Red    | 24V | 1NO | - | - | GS1 KRJT-10-Z-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 KRJT-10-Z-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 KRJT-10-Z-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 KRJT-10-Z-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 KRJT-10-Z-24-KL |

### 1NC Maintained/Latching - 24V

|          |     |   |     |   |                     |
|----------|-----|---|-----|---|---------------------|
| ● Red    | 24V | - | 1NC | - | GS1 KRJT-01-Z-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 KRJT-01-Z-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 KRJT-01-Z-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 KRJT-01-Z-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 KRJT-01-Z-24-KL |

### 1NO 1NC Maintained/Latching - 24V

|          |     |   |   |         |                     |
|----------|-----|---|---|---------|---------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 KRJT-11-Z-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 KRJT-11-Z-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 KRJT-11-Z-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 KRJT-11-Z-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 KRJT-11-Z-24-KL |

### 2NO 2NC Maintained/Latching - 24V

|          |     |   |   |         |                     |
|----------|-----|---|---|---------|---------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 KRJT-22-Z-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 KRJT-22-Z-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 KRJT-22-Z-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 KRJT-22-Z-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 KRJT-22-Z-24-KL |

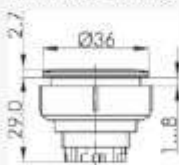


| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

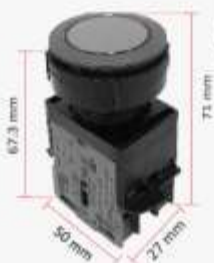
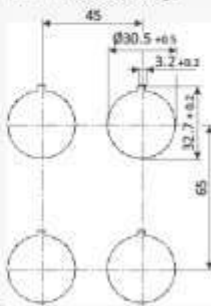
## Illuminated Pushbutton\_KRJT (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Momentary/Spring Return - 230V

|        |      |     |   |   |                    |
|--------|------|-----|---|---|--------------------|
| Red    | 230V | 1NO | - | - | GS1 KRJT-10-220-RT |
| Green  | 230V | 1NO | - | - | GS1 KRJT-10-220-GN |
| Yellow | 230V | 1NO | - | - | GS1 KRJT-10-220-GB |
| Blue   | 230V | 1NO | - | - | GS1 KRJT-10-220-BL |
| Clear  | 230V | 1NO | - | - | GS1 KRJT-10-220-KL |

### 1NC Momentary/Spring Return - 230V

|        |      |   |     |   |                    |
|--------|------|---|-----|---|--------------------|
| Red    | 230V | - | 1NC | - | GS1 KRJT-01-220-RT |
| Green  | 230V | - | 1NC | - | GS1 KRJT-01-220-GN |
| Yellow | 230V | - | 1NC | - | GS1 KRJT-01-220-GB |
| Blue   | 230V | - | 1NC | - | GS1 KRJT-01-220-BL |
| Clear  | 230V | - | 1NC | - | GS1 KRJT-01-220-KL |

### 1NO 1NC Momentary/Spring Return - 230V

|        |      |   |   |         |                    |
|--------|------|---|---|---------|--------------------|
| Red    | 230V | - | - | 1NO 1NC | GS1 KRJT-11-220-RT |
| Green  | 230V | - | - | 1NO 1NC | GS1 KRJT-11-220-GN |
| Yellow | 230V | - | - | 1NO 1NC | GS1 KRJT-11-220-GB |
| Blue   | 230V | - | - | 1NO 1NC | GS1 KRJT-11-220-BL |
| Clear  | 230V | - | - | 1NO 1NC | GS1 KRJT-11-220-KL |

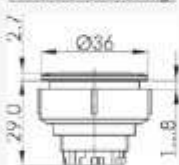
### 2NO 2NC Momentary/Spring Return - 230V

|        |      |   |   |         |                    |
|--------|------|---|---|---------|--------------------|
| Red    | 230V | - | - | 2NO 2NC | GS1 KRJT-22-220-RT |
| Green  | 230V | - | - | 2NO 2NC | GS1 KRJT-22-220-GN |
| Yellow | 230V | - | - | 2NO 2NC | GS1 KRJT-22-220-GB |
| Blue   | 230V | - | - | 2NO 2NC | GS1 KRJT-22-220-BL |
| Clear  | 230V | - | - | 2NO 2NC | GS1 KRJT-22-220-KL |

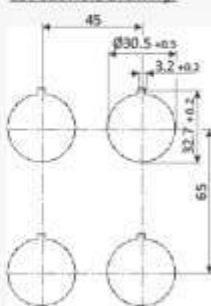
## Illuminated Pushbutton\_KRJZ (Charcoal Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Maintained/Latching - 230V

|        |      |     |   |   |                      |
|--------|------|-----|---|---|----------------------|
| Red    | 230V | 1NO | - | - | GS1 KRJT-10-Z-220-RT |
| Green  | 230V | 1NO | - | - | GS1 KRJT-10-Z-220-GN |
| Yellow | 230V | 1NO | - | - | GS1 KRJT-10-Z-220-GB |
| Blue   | 230V | 1NO | - | - | GS1 KRJT-10-Z-220-BL |
| Clear  | 230V | 1NO | - | - | GS1 KRJT-10-Z-220-KL |

### 1NC Maintained/Latching - 230V

|        |      |   |     |   |                      |
|--------|------|---|-----|---|----------------------|
| Red    | 230V | - | 1NC | - | GS1 KRJT-01-Z-220-RT |
| Green  | 230V | - | 1NC | - | GS1 KRJT-01-Z-220-GN |
| Yellow | 230V | - | 1NC | - | GS1 KRJT-01-Z-220-GB |
| Blue   | 230V | - | 1NC | - | GS1 KRJT-01-Z-220-BL |
| Clear  | 230V | - | 1NC | - | GS1 KRJT-01-Z-220-KL |

### 1NO 1NC Maintained/Latching - 230V

|        |      |   |   |         |                      |
|--------|------|---|---|---------|----------------------|
| Red    | 230V | - | - | 1NO 1NC | GS1 KRJT-11-Z-220-RT |
| Green  | 230V | - | - | 1NO 1NC | GS1 KRJT-11-Z-220-GN |
| Yellow | 230V | - | - | 1NO 1NC | GS1 KRJT-11-Z-220-GB |
| Blue   | 230V | - | - | 1NO 1NC | GS1 KRJT-11-Z-220-BL |
| Clear  | 230V | - | - | 1NO 1NC | GS1 KRJT-11-Z-220-KL |

### 2NO 2NC Maintained/Latching - 230V

|        |      |   |   |         |                      |
|--------|------|---|---|---------|----------------------|
| Red    | 230V | - | - | 2NO 2NC | GS1 KRJT-22-Z-220-RT |
| Green  | 230V | - | - | 2NO 2NC | GS1 KRJT-22-Z-220-GN |
| Yellow | 230V | - | - | 2NO 2NC | GS1 KRJT-22-Z-220-GB |
| Blue   | 230V | - | - | 2NO 2NC | GS1 KRJT-22-Z-220-BL |
| Clear  | 230V | - | - | 2NO 2NC | GS1 KRJT-22-Z-220-KL |



| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

### Pilot Light\_KRJN (Charcoal Bezel)



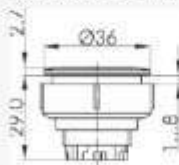
#### 24V

|          |     |   |   |   |                       |
|----------|-----|---|---|---|-----------------------|
| ● Red    | 24V | - | - | - | <b>GS1 KRJN-24-RT</b> |
| ● Green  | 24V | - | - | - | <b>GS1 KRJN-24-GN</b> |
| ● Yellow | 24V | - | - | - | <b>GS1 KRJN-24-GB</b> |
| ● Blue   | 24V | - | - | - | <b>GS1 KRJN-24-BL</b> |
| ○ Clear  | 24V | - | - | - | <b>GS1 KRJN-24-KL</b> |

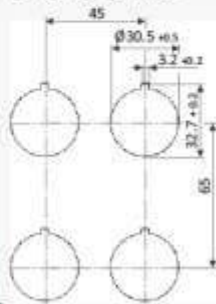
#### 230V

|          |      |   |   |   |                        |
|----------|------|---|---|---|------------------------|
| ● Red    | 230V | - | - | - | <b>GS1 KRJN-220-RT</b> |
| ● Green  | 230V | - | - | - | <b>GS1 KRJN-220-GN</b> |
| ● Yellow | 230V | - | - | - | <b>GS1 KRJN-220-GB</b> |
| ● Blue   | 230V | - | - | - | <b>GS1 KRJN-220-BL</b> |
| ○ Clear  | 230V | - | - | - | <b>GS1 KRJN-220-KL</b> |

Dimensional Drawing:



Cut-out Hole Drawing:



## Technical Specification

### General Data:

|                     |  |
|---------------------|--|
| Front Dimensions:   | Ø 36 mm  |
| Panel Cut-out:      | Ø 30.5 mm                                      |
| Front Bezel Height: | 2.7 mm   |
| Operating Travel:   | 6 mm   |
| IP Rating:          | IP67   |
| Illumination:       | Yes  |
| Contact Type:       | <b>Modular Contact Block</b>                   |
| Protection Class:   | II (protective insulation)                     |
| Connection Type:    | <b>Screw Connection 2 x 2.5 mm<sup>2</sup></b> |
| Contact Material:   | <b>AgNi</b>                                    |

|                             |  |
|-----------------------------|--|
| Max. Storage Temperature:   | -50°C ... 85°C   |
| Max. Operating Temperature: | -50°C ... 85°C, without illumination<br>-30°C ... 65°C, using LEDs |
| Mechanical Life:            | <b>1 m switching cycles</b>  |
| Electrical Life:            | <b>1 m operations at rated load</b>                                |
| Contact Resistance NO:      | <20 mOhm   |
| Contact Resistance NC:      | <20 mOhm   |
| Min. Current:               | <b>1 mA</b>  |
| Min. Voltage:               | <b>5V</b>  |

|                           | Alternate Current | Direct Current                 |
|---------------------------|-------------------|--------------------------------|
| Rated Insulation Voltage: | 600V              | 600V                           |
| Rated Operating Voltage:  | 240V / 440V       | 440V / 250V / 125V / 60V / 24V |
| Rated Operating Current:  | 3A / 1.6A         | 0.12A / 0.2A / 0.4A / 1A / 2A  |

### Approvals:



### Use & Applications:

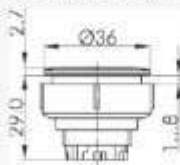
- ✓ The actuators are designed for exclusive applications as well as use in harsh environments.
- ✓ Flexible contact configuration and ease of assembly.
- ✓ The units can be used in every field of application.
- ✓ The control units are designed to accept a clearly visible marking, easy to produce and comprising a variety of symbols and inscriptions.
- ✓ Multiple standards nameplates are available and also according to user's requirements.

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

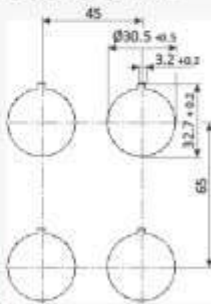
### Pushbutton\_KRJMT (Silver Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



#### 1NO Momentary/Spring Return

|        |   |     |   |   |                 |
|--------|---|-----|---|---|-----------------|
| Red    | - | 1NO | - | - | GS1 KRJMT-10-RT |
| Green  | - | 1NO | - | - | GS1 KRJMT-10-GN |
| Yellow | - | 1NO | - | - | GS1 KRJMT-10-GB |
| Blue   | - | 1NO | - | - | GS1 KRJMT-10-BL |
| Clear  | - | 1NO | - | - | GS1 KRJMT-10-KL |

#### 1NC Momentary/Spring Return

|        |   |   |     |   |                 |
|--------|---|---|-----|---|-----------------|
| Red    | - | - | 1NC | - | GS1 KRJMT-01-RT |
| Green  | - | - | 1NC | - | GS1 KRJMT-01-GN |
| Yellow | - | - | 1NC | - | GS1 KRJMT-01-GB |
| Blue   | - | - | 1NC | - | GS1 KRJMT-01-BL |
| Clear  | - | - | 1NC | - | GS1 KRJMT-01-KL |

#### 1NO 1NC Momentary/Spring Return

|        |   |   |   |         |                 |
|--------|---|---|---|---------|-----------------|
| Red    | - | - | - | 1NO 1NC | GS1 KRJMT-11-RT |
| Green  | - | - | - | 1NO 1NC | GS1 KRJMT-11-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 KRJMT-11-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 KRJMT-11-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 KRJMT-11-KL |

#### 2NO 2NC Momentary/Spring Return

|        |   |   |   |         |                 |
|--------|---|---|---|---------|-----------------|
| Red    | - | - | - | 2NO 2NC | GS1 KRJMT-22-RT |
| Green  | - | - | - | 2NO 2NC | GS1 KRJMT-22-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 KRJMT-22-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 KRJMT-22-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 KRJMT-22-KL |

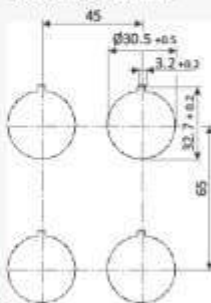
### Pushbutton\_KRJMT (Silver Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



#### 1NO Maintained/Latching

|        |   |     |   |   |                   |
|--------|---|-----|---|---|-------------------|
| Red    | - | 1NO | - | - | GS1 KRJMT-10-Z-RT |
| Green  | - | 1NO | - | - | GS1 KRJMT-10-Z-GN |
| Yellow | - | 1NO | - | - | GS1 KRJMT-10-Z-GB |
| Blue   | - | 1NO | - | - | GS1 KRJMT-10-Z-BL |
| Clear  | - | 1NO | - | - | GS1 KRJMT-10-Z-KL |

#### 1NC Maintained/Latching

|        |   |   |     |   |                   |
|--------|---|---|-----|---|-------------------|
| Red    | - | - | 1NC | - | GS1 KRJMT-01-Z-RT |
| Green  | - | - | 1NC | - | GS1 KRJMT-01-Z-GN |
| Yellow | - | - | 1NC | - | GS1 KRJMT-01-Z-GB |
| Blue   | - | - | 1NC | - | GS1 KRJMT-01-Z-BL |
| Clear  | - | - | 1NC | - | GS1 KRJMT-01-Z-KL |

#### 1NO 1NC Maintained/Latching

|        |   |   |   |         |                   |
|--------|---|---|---|---------|-------------------|
| Red    | - | - | - | 1NO 1NC | GS1 KRJMT-11-Z-RT |
| Green  | - | - | - | 1NO 1NC | GS1 KRJMT-11-Z-GN |
| Yellow | - | - | - | 1NO 1NC | GS1 KRJMT-11-Z-GB |
| Blue   | - | - | - | 1NO 1NC | GS1 KRJMT-11-Z-BL |
| Clear  | - | - | - | 1NO 1NC | GS1 KRJMT-11-Z-KL |

#### 2NO 2NC Maintained/Latching

|        |   |   |   |         |                   |
|--------|---|---|---|---------|-------------------|
| Red    | - | - | - | 2NO 2NC | GS1 KRJMT-22-Z-RT |
| Green  | - | - | - | 2NO 2NC | GS1 KRJMT-22-Z-GN |
| Yellow | - | - | - | 2NO 2NC | GS1 KRJMT-22-Z-GB |
| Blue   | - | - | - | 2NO 2NC | GS1 KRJMT-22-Z-BL |
| Clear  | - | - | - | 2NO 2NC | GS1 KRJMT-22-Z-KL |



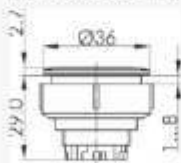
Ø 30.5 mm

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

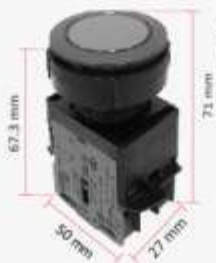
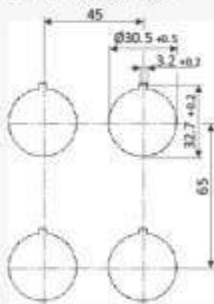
## Illuminated Pushbutton\_KRJMT (Silver Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Momentary/Spring Return - 24V

|          |     |     |   |   |                    |
|----------|-----|-----|---|---|--------------------|
| ● Red    | 24V | 1NO | - | - | GS1 KRJMT-10-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 KRJMT-10-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 KRJMT-10-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 KRJMT-10-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 KRJMT-10-24-KL |

### 1NC Momentary/Spring Return - 24V

|          |     |   |     |   |                    |
|----------|-----|---|-----|---|--------------------|
| ● Red    | 24V | - | 1NC | - | GS1 KRJMT-01-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 KRJMT-01-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 KRJMT-01-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 KRJMT-01-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 KRJMT-01-24-KL |

### 1NO 1NC Momentary/Spring Return - 24V

|          |     |   |   |         |                    |
|----------|-----|---|---|---------|--------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-24-KL |

### 2NO 2NC Momentary/Spring Return - 24V

|          |     |   |   |         |                    |
|----------|-----|---|---|---------|--------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-24-KL |

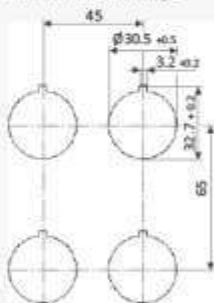
## Illuminated Pushbutton\_KRJMT (Silver Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Maintained/Latching - 24V

|          |     |     |   |   |                      |
|----------|-----|-----|---|---|----------------------|
| ● Red    | 24V | 1NO | - | - | GS1 KRJMT-10-Z-24-RT |
| ● Green  | 24V | 1NO | - | - | GS1 KRJMT-10-Z-24-GN |
| ● Yellow | 24V | 1NO | - | - | GS1 KRJMT-10-Z-24-GB |
| ● Blue   | 24V | 1NO | - | - | GS1 KRJMT-10-Z-24-BL |
| ○ Clear  | 24V | 1NO | - | - | GS1 KRJMT-10-Z-24-KL |

### 1NC Maintained/Latching - 24V

|          |     |   |     |   |                      |
|----------|-----|---|-----|---|----------------------|
| ● Red    | 24V | - | 1NC | - | GS1 KRJMT-01-Z-24-RT |
| ● Green  | 24V | - | 1NC | - | GS1 KRJMT-01-Z-24-GN |
| ● Yellow | 24V | - | 1NC | - | GS1 KRJMT-01-Z-24-GB |
| ● Blue   | 24V | - | 1NC | - | GS1 KRJMT-01-Z-24-BL |
| ○ Clear  | 24V | - | 1NC | - | GS1 KRJMT-01-Z-24-KL |

### 1NO 1NC Maintained/Latching - 24V

|          |     |   |   |         |                      |
|----------|-----|---|---|---------|----------------------|
| ● Red    | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-24-RT |
| ● Green  | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-24-GN |
| ● Yellow | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-24-GB |
| ● Blue   | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-24-BL |
| ○ Clear  | 24V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-24-KL |

### 2NO 2NC Maintained/Latching - 24V

|          |     |   |   |         |                      |
|----------|-----|---|---|---------|----------------------|
| ● Red    | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-24-RT |
| ● Green  | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-24-GN |
| ● Yellow | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-24-GB |
| ● Blue   | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-24-BL |
| ○ Clear  | 24V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-24-KL |



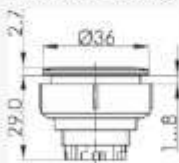
Ø 30.5 mm

| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

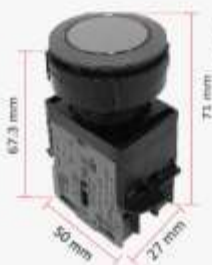
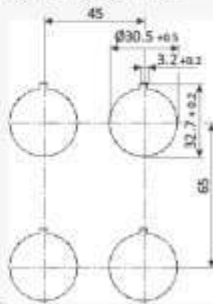
## Illuminated Pushbutton\_KRJMT (Silver Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Momentary/Spring Return - 230V

|          |      |     |   |   |                     |
|----------|------|-----|---|---|---------------------|
| ● Red    | 230V | 1NO | - | - | GS1 KRJMT-10-220-RT |
| ● Green  | 230V | 1NO | - | - | GS1 KRJMT-10-220-GN |
| ● Yellow | 230V | 1NO | - | - | GS1 KRJMT-10-220-GB |
| ● Blue   | 230V | 1NO | - | - | GS1 KRJMT-10-220-BL |
| ○ Clear  | 230V | 1NO | - | - | GS1 KRJMT-10-220-KL |

### 1NC Momentary/Spring Return - 230V

|          |      |   |     |   |                     |
|----------|------|---|-----|---|---------------------|
| ● Red    | 230V | - | 1NC | - | GS1 KRJMT-01-220-RT |
| ● Green  | 230V | - | 1NC | - | GS1 KRJMT-01-220-GN |
| ● Yellow | 230V | - | 1NC | - | GS1 KRJMT-01-220-GB |
| ● Blue   | 230V | - | 1NC | - | GS1 KRJMT-01-220-BL |
| ○ Clear  | 230V | - | 1NC | - | GS1 KRJMT-01-220-KL |

### 1NO 1NC Momentary/Spring Return - 230V

|          |      |   |   |         |                     |
|----------|------|---|---|---------|---------------------|
| ● Red    | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-220-RT |
| ● Green  | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-220-GN |
| ● Yellow | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-220-GB |
| ● Blue   | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-220-BL |
| ○ Clear  | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-220-KL |

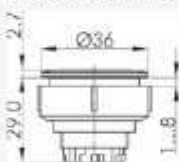
### 2NO 2NC Momentary/Spring Return - 230V

|          |      |   |   |         |                     |
|----------|------|---|---|---------|---------------------|
| ● Red    | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-220-RT |
| ● Green  | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-220-GN |
| ● Yellow | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-220-GB |
| ● Blue   | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-220-BL |
| ○ Clear  | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-220-KL |

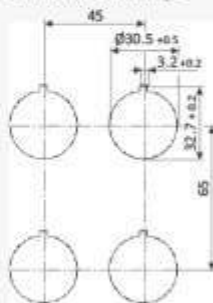
## Illuminated Pushbutton\_KRJMT (Silver Bezel)



Dimensional Drawing:



Cut-out Hole Drawing:



### 1NO Maintained/Latching - 230V

|          |      |     |   |   |                       |
|----------|------|-----|---|---|-----------------------|
| ● Red    | 230V | 1NO | - | - | GS1 KRJMT-10-Z-220-RT |
| ● Green  | 230V | 1NO | - | - | GS1 KRJMT-10-Z-220-GN |
| ● Yellow | 230V | 1NO | - | - | GS1 KRJMT-10-Z-220-GB |
| ● Blue   | 230V | 1NO | - | - | GS1 KRJMT-10-Z-220-BL |
| ○ Clear  | 230V | 1NO | - | - | GS1 KRJMT-10-Z-220-KL |

### 1NC Maintained/Latching - 230V

|          |      |   |     |   |                       |
|----------|------|---|-----|---|-----------------------|
| ● Red    | 230V | - | 1NC | - | GS1 KRJMT-01-Z-220-RT |
| ● Green  | 230V | - | 1NC | - | GS1 KRJMT-01-Z-220-GN |
| ● Yellow | 230V | - | 1NC | - | GS1 KRJMT-01-Z-220-GB |
| ● Blue   | 230V | - | 1NC | - | GS1 KRJMT-01-Z-220-BL |
| ○ Clear  | 230V | - | 1NC | - | GS1 KRJMT-01-Z-220-KL |

### 1NO 1NC Maintained/Latching - 230V

|          |      |   |   |         |                       |
|----------|------|---|---|---------|-----------------------|
| ● Red    | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-220-RT |
| ● Green  | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-220-GN |
| ● Yellow | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-220-GB |
| ● Blue   | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-220-BL |
| ○ Clear  | 230V | - | - | 1NO 1NC | GS1 KRJMT-11-Z-220-KL |

### 2NO 2NC Maintained/Latching - 230V

|          |      |   |   |         |                       |
|----------|------|---|---|---------|-----------------------|
| ● Red    | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-220-RT |
| ● Green  | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-220-GN |
| ● Yellow | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-220-GB |
| ● Blue   | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-220-BL |
| ○ Clear  | 230V | - | - | 2NO 2NC | GS1 KRJMT-22-Z-220-KL |



| Illustration | Lens Colour | Lamp Voltage | Possible Contact Configuration | Part Number |
|--------------|-------------|--------------|--------------------------------|-------------|
|--------------|-------------|--------------|--------------------------------|-------------|

### Pilot Light\_KRJMN (Silver Bezel)



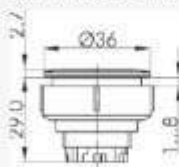
#### 24V

|          |     |   |   |   |                 |
|----------|-----|---|---|---|-----------------|
| ● Red    | 24V | - | - | - | GS1 KRJMN-24-RT |
| ● Green  | 24V | - | - | - | GS1 KRJMN-24-GN |
| ● Yellow | 24V | - | - | - | GS1 KRJMN-24-GB |
| ● Blue   | 24V | - | - | - | GS1 KRJMN-24-BL |
| ○ Clear  | 24V | - | - | - | GS1 KRJMN-24-KL |

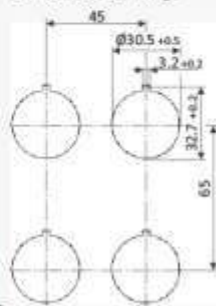
#### 230V

|          |      |   |   |   |                  |
|----------|------|---|---|---|------------------|
| ● Red    | 230V | - | - | - | GS1 KRJMN-220-RT |
| ● Green  | 230V | - | - | - | GS1 KRJMN-220-GN |
| ● Yellow | 230V | - | - | - | GS1 KRJMN-220-GB |
| ● Blue   | 230V | - | - | - | GS1 KRJMN-220-BL |
| ○ Clear  | 230V | - | - | - | GS1 KRJMN-220-KL |

Dimensional Drawing:



Cut-out Hole Drawing:



## Technical Specification

### General Data:

|                     |  |
|---------------------|--|
| Front Dimensions:   | Ø 36 mm                                  |
| Panel Cut-out:      | Ø 30.5 mm                                |
| Front Bezel Height: | 2.7 mm                                   |
| Operating Travel:   | 6 mm                                     |
| IP Rating:          | IP67                                     |
| Illumination:       | Yes                                      |
| Contact Type:       | Modular Contact Block                    |
| Protection Class:   | II (protective insulation)               |
| Connection Type:    | Screw Connection 2 x 2.5 mm <sup>2</sup> |
| Contact Material:   | AgNi                                     |

|                             |  |
|-----------------------------|--|
| Max. Storage Temperature:   | -50°C ... 85°C   |
| Max. Operating Temperature: | -50°C ... 85°C, without illumination<br>-30°C ... 65°C, using LEDs |
| Mechanical Life:            | 1 m switching cycles   |
| Electrical Life:            | 1 m operations at rated load                                       |
| Contact Resistance NO:      | <20 mOhm   |
| Contact Resistance NC:      | <20 mOhm   |
| Min. Current:               | 1 mA   |
| Min. Voltage:               | 5V   |

|                           | Alternate Current | Direct Current                 |
|---------------------------|-------------------|--------------------------------|
| Rated Insulation Voltage: | 600V              | 600V                           |
| Rated Operating Voltage:  | 240V / 440V       | 440V / 250V / 125V / 60V / 24V |
| Rated Operating Current:  | 3A / 1.6A         | 0.12A / 0.2A / 0.4A / 1A / 2A  |

### Approvals:



### Use & Applications:

- ✓ The actuators are designed for exclusive applications as well as use in harsh environments.
- ✓ Flexible contact configuration and ease of assembly.
- ✓ The units can be used in every field of application.
- ✓ The control units are designed to accept a clearly visible marking, easy to produce and comprising a variety of symbols and inscriptions.
- ✓ Multiple standards nameplates are available and also according to user's requirements.

# OTHER PRODUCTS

## KOMBITAST-R-JUWEL<sup>®</sup>

Ø 30.5 mm



Selector Switch  
GS1 KRJWA



Selector Switch  
GS1 KRJMW



Flush-mounted Jack  
GS1 KRJM22R

## RONTRON-R-JUWEL<sup>®</sup>

Ø 22.3 mm



USB Jack  
GS1 RRJ\_USB\_AA



USB3.0 Jack  
GS1 RRJ\_USB3\_AA



Double USB Jack  
GS1 RRJ\_2USB



Double USB3.0 Jack  
GS1 RRJ\_2USB3\_SW-2



RJ45 Jack  
GS1 RRJ\_RJ45\_STB



RJ45 Jack  
GS1 RRJ\_RJ45\_STB\_SW-2



HDMI Jack  
GS1 RRJ\_HDMI\_STB



USB2.0 Jack C (60CM)  
GS1 RRJ\_USB\_CA\_60

## OKTRON-JUWEL<sup>®</sup>

23 x 23 mm



USB Jack  
GS1 OKJ\_USB



Double USB Jack  
GS1 OJK\_2USB



USB Jack  
GS1 OKJ\_USB\_AA



## + UV Printing Service on Switch Labels

- Symbol and Text can be customized according to your requirements.
- The symbol and text are also applicable to Square nameplates/labels.



## + Laser Cutting, Engraving, Marking & UV Printing Service on Nameplates

- Plastic Materials: Ply, Acrylic, Traffolyte & etc.
- Metal Materials: Aluminium, Stainless Steel, Copper, Brass & etc.
- Text, Dimension and Cut-out hole can be customized according to your requirements.



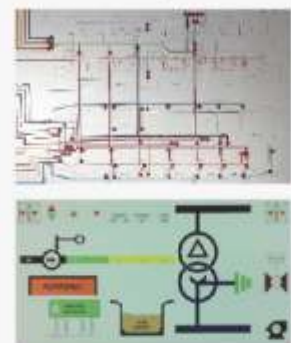
## + Fabrication of Control Panels, Consoles, FGS/ESD Panels, Mimic Panels, etc.



Control Monitoring Panel /  
Mosaic Mimic Panel



FGS/ESD Panel



Mimic Panel  
(Stainless Steel/Aluminium/Acrylic)



Marine Control Panel



Laser Cutting on Enclosure Box,  
Panel/Plate, Nameplate & etc.



Machine Label,  
Signage & etc.

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## **CAMBODIA**

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