

## 9mm Single Metal Shaft, Multi-Ganged Series

### Application

- ✓ Audio, Home appliance, Automotive, Communication, and Others

### Feature

- ✓ Durable Structure with less wobble metal shaft



### ■Specification

|                                       |                            |
|---------------------------------------|----------------------------|
| Total Rotational Angle                | 300±5°                     |
| Maximum Operating Voltage             | 50V AC                     |
| Insulation Resistance                 | More than 100MΩ at 250V DC |
| Dielectric Strength                   | 300V AC , 1 minute         |
| Rotational Torque                     | 20-250 gf.cm               |
| Rotational Stop Strength of the Shaft | 4 kgf.cm / Min.            |
| Rotation Life                         | 15,000 cycles              |

### ■How to order

RD901F-20 E1 - 15F - B10K - 00D

#### [Model](#)

EX. RD901F - Single unit  
RD902F - Dual units

#### Bushing Type

| Order Code | Dimensions |      |
|------------|------------|------|
| Blank      | Ø7mm       | 5mm  |
| B3         | Ø7mm       | 7mm  |
| B6         | Ø7mm       | 10mm |
| E1         | Ø9mm       | 5mm  |
| E3         | Ø9mm       | 7mm  |
| E6         | Ø9mm       | 10mm |

#### [Shaft Type](#)

#### Bracket

| Order Code | Description     |
|------------|-----------------|
| Blank      | Without Bracket |
| 00D        | With Bracket    |

#### Taper and Resistance Value

| Order Code | Taper     | Resistance Value |
|------------|-----------|------------------|
| A100K      | Log/A     | 100KΩ            |
| B1M        | Linear/B  | 1MΩ              |
| C500K      | Rev-log/C | 500KΩ            |

Taper: A, B and C

Resistance Value: 1KΩ to 500KΩ and 1MΩ

\*Contact us for other requirements.

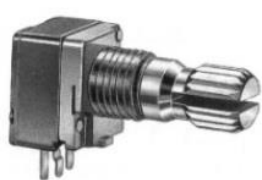
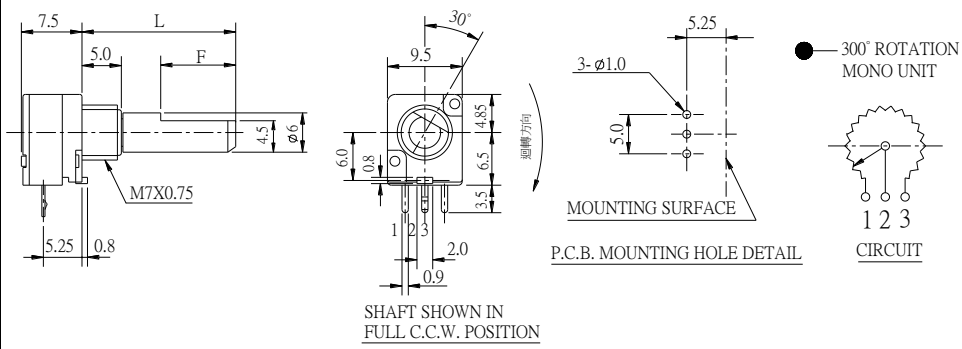
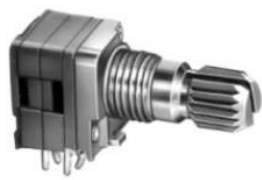
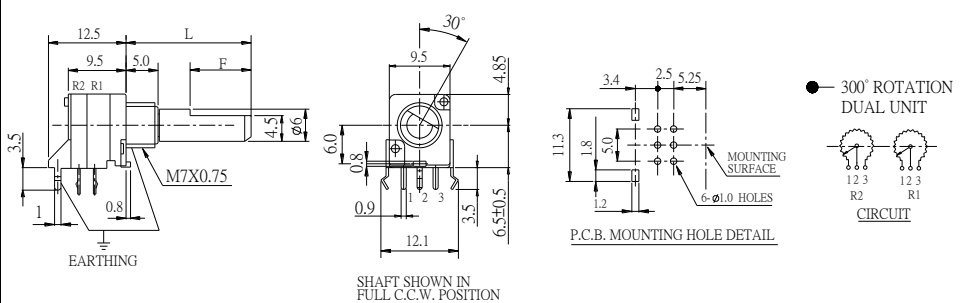
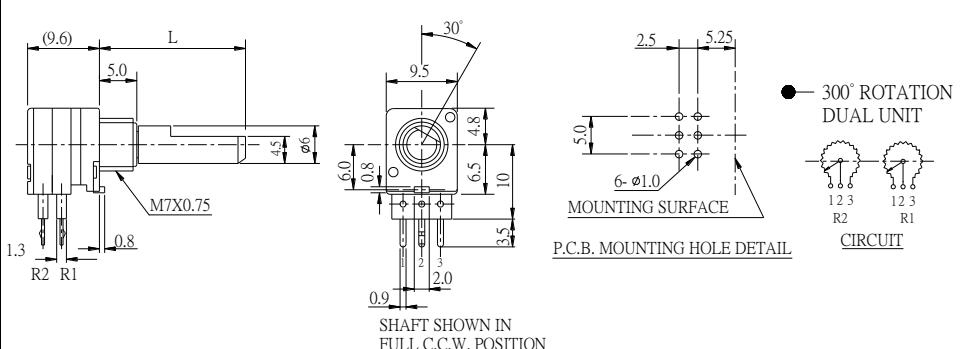
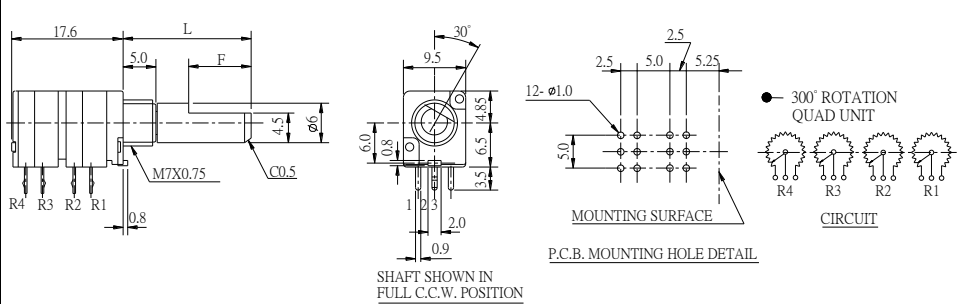
## 9mm Single Metal Shaft, Multi-Ganged Series

### ■Model Description

| Model                                 | Number of Unit | Terminal Type | With Switch                   | With Bracket    |
|---------------------------------------|----------------|---------------|-------------------------------|-----------------|
| <a href="#">RD901F-20</a>             | Single Unit    | Horizontal    | Without Switch                | Without Bracket |
| <a href="#">RD902F-20</a>             | Dual Units     | Horizontal    | Without Switch                | Without Bracket |
| <a href="#">RD902F-22</a>             | Dual Units     | Horizontal    | Without Switch                | Without Bracket |
| <a href="#">RD904F-20</a>             | Four Units     | Horizontal    | Without Switch                | Without Bracket |
| <a href="#">RD902PF-20B6</a>          | Dual Units     | Horizontal    | Without Switch                | Without Bracket |
| <a href="#">RD901F-20E1-00D</a>       | Single Unit    | Horizontal    | Without Switch                | With Bracket    |
| <a href="#">RD901F-40E1/E3/E6-00D</a> | Single Unit    | Vertical      | Without Switch                | With Bracket    |
| <a href="#">RD902F-20E1/E3/E6-00D</a> | Dual Units     | Horizontal    | Without Switch                | With Bracket    |
| <a href="#">RD901F-40-00D</a>         | Single Unit    | Vertical      | Without Switch                | With Bracket    |
| <a href="#">RD902F-40-00D</a>         | Dual Units     | Vertical      | Without Switch                | With Bracket    |
| <a href="#">RD901SF-20</a>            | Single Unit    | Horizontal    | Rotary Switch<br>(S.P.S.T)    | Without Bracket |
| <a href="#">RD9010PF-20</a>           | Single Unit    | Horizontal    | Push Switch<br>(S.P.S.T)      | Without Bracket |
| <a href="#">RD901B21F-20</a>          | Single Unit    | Horizontal    | Push-Pull Switch<br>(S.P.D.T) | Without Bracket |
| <a href="#">RD901B22F-20</a>          | Single Unit    | Horizontal    | Push-Pull Switch<br>(D.P.D.T) | Without Bracket |
| <a href="#">RD902B21F-20</a>          | Dual Units     | Horizontal    | Push-Pull Switch<br>(S.P.D.T) | Without Bracket |
| <a href="#">RD902B22F-20</a>          | Dual Units     | Horizontal    | Push-Pull Switch<br>(D.P.D.T) | Without Bracket |

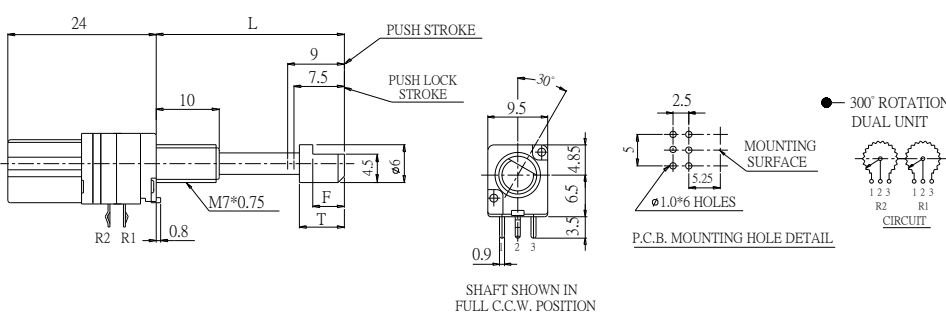
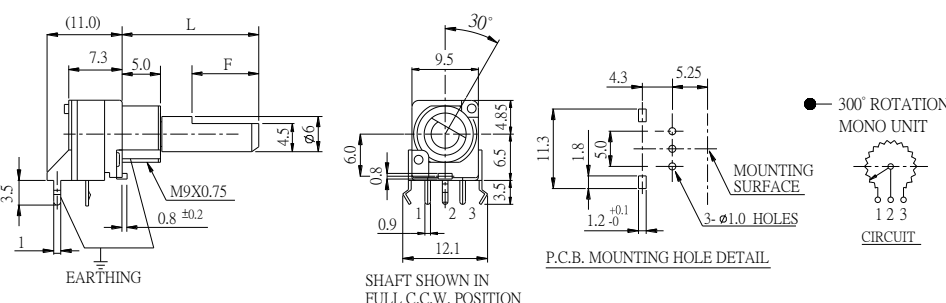
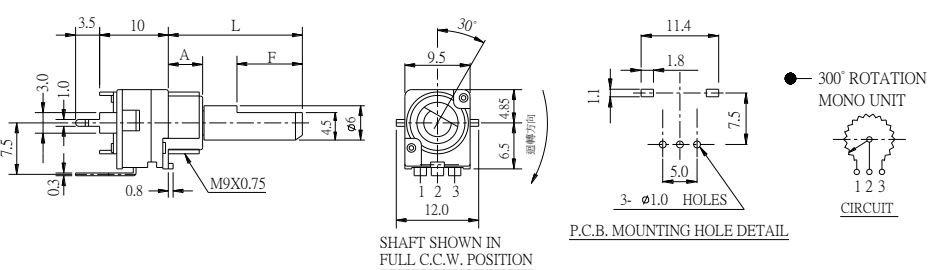
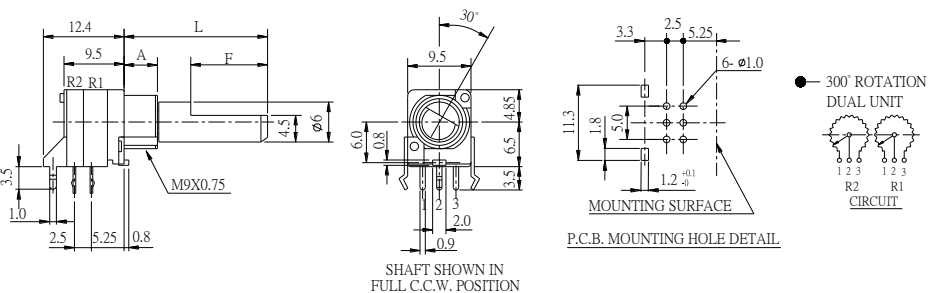
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## 9mm Single Metal Shaft, Multi-Ganged Series

| Order Code                                                                                              | Outline Drawing                                                                                                                 |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>RD901F-20</b><br>   |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>   |
| <b>RD902F-20</b><br>  |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>  |
| <b>RD902F-22</b><br> |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> |
| <b>RD904F-20</b><br> |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> |

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## 9mm Single Metal Shaft, Multi-Ganged Series

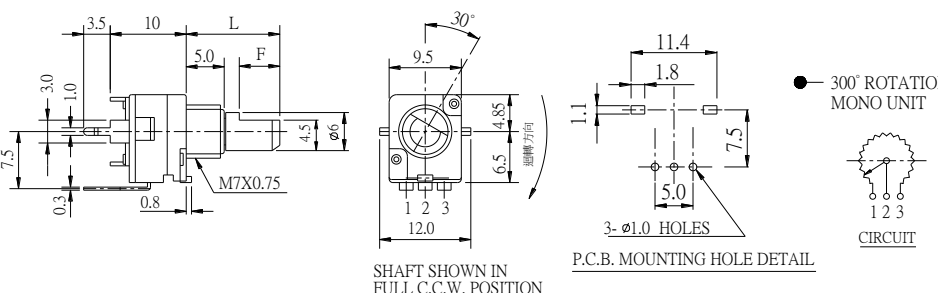
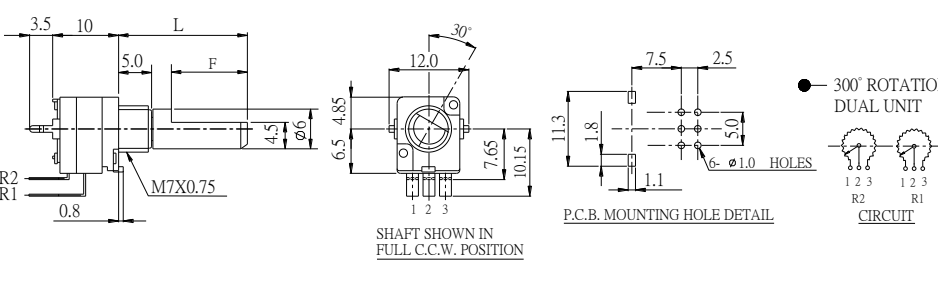
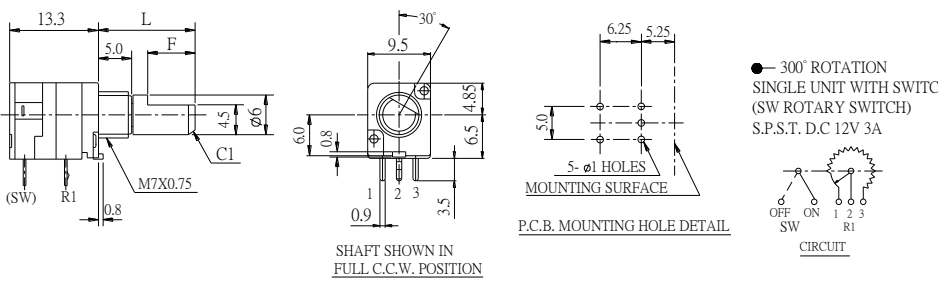
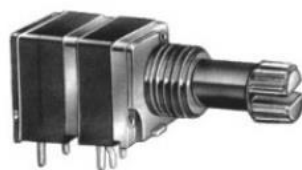
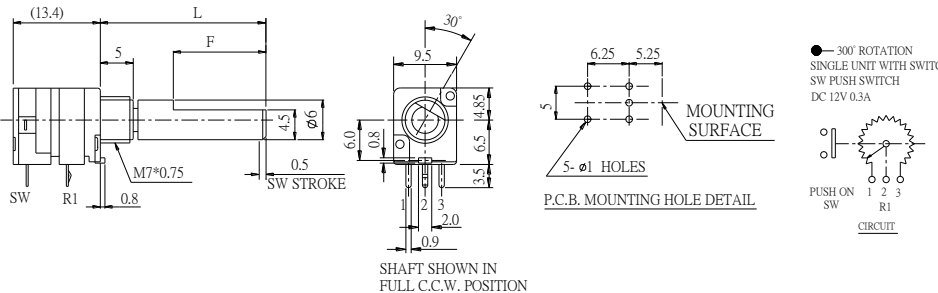
| Order code                | Outline Drawing                                                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RD902PF-20B6              |   <p>RD901PF (single unit) is also available.</p> |
| RD901F-20E1-00D           |                                                 |
| RD901F-40E1/40E3/40E6-00D |                                               |
| RD902F-20E1/20E3/20E6-00D |                                               |

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# POTENTIOMETERS

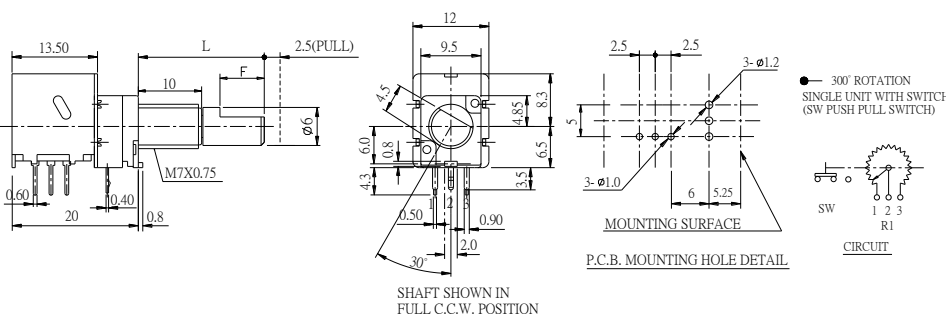
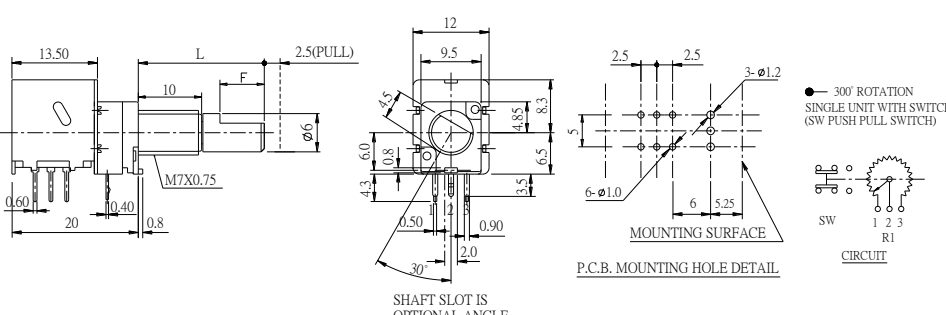
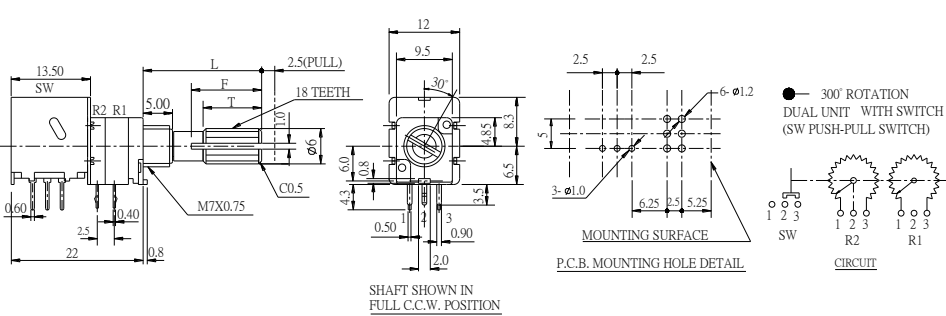
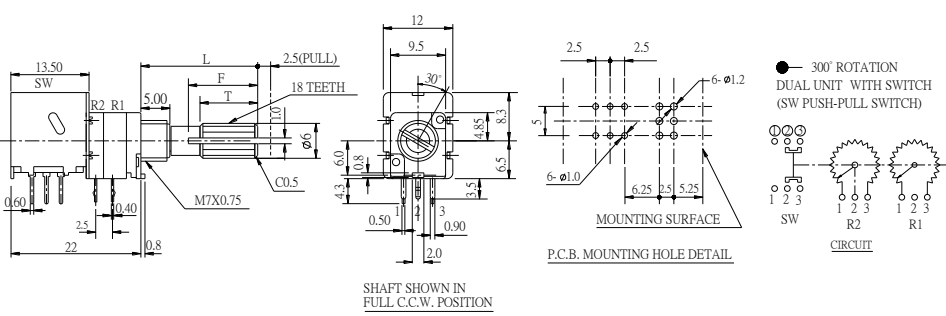


## 9mm Single Metal Shaft, Multi-Ganged Series

| Order code                                                                                          | Outline Drawing                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RD901F-40-00D<br>  |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>300° ROTATION MONO UNIT</p> <p>CIRCUIT</p>                                                        |
| RD902F-40-00D<br> |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>300° ROTATION DUAL UNIT</p> <p>CIRCUIT</p>                                                       |
| RD901SF-20<br>   |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>300° ROTATION SINGLE UNIT WITH SWITCH (SW ROTARY SWITCH) S.P.S.T. D.C 12V 3A</p> <p>CIRCUIT</p> |
| RD902SF (dual units) is also available.                                                             |                                                                                                                                                                                                                                                                       |
| RD9010PF-20<br>  |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>300° ROTATION SINGLE UNIT WITH SWITCH SW PUSH SWITCH DC 12V 0.3A</p> <p>CIRCUIT</p>             |
| RD9020PF (dual units) is also available.                                                            |                                                                                                                                                                                                                                                                       |

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## 9mm Single Metal Shaft, Multi-Ganged Series

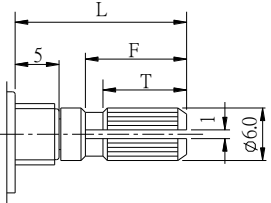
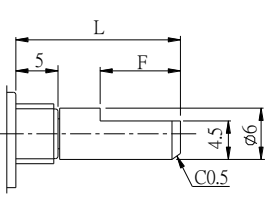
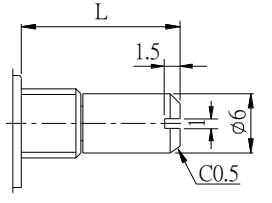
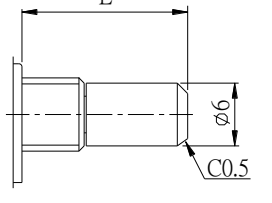
| Order code                                                                                                   | Outline Drawing                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RD901B21F-20(S.P.D.T)<br>   |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>300° ROTATION SINGLE UNIT WITH SWITCH (SW PUSH PULL SWITCH)</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p> |
| RD901B22F-20(D.P.D.T)<br>  |  <p>SHAFT SLOT IS OPTIONAL ANGLE</p> <p>300° ROTATION SINGLE UNIT WITH SWITCH (SW PUSH PULL SWITCH)</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p>       |
| RD902B21F-20(S.P.D.T)<br> |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>300° ROTATION DUAL UNIT WITH SWITCH (SW PUSH-PULL SWITCH)</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p> |
| RD902B22F-20(D.P.D.T)<br> |  <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>300° ROTATION DUAL UNIT WITH SWITCH (SW PUSH-PULL SWITCH)</p> <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>CIRCUIT</p> |

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## 9mm Single Metal Shaft, Multi-Ganged Series

### ■ Shaft Type

| Order Code                | (L)K                                                                              | (L)F                                                                              | (L)S                                                                               | (L)R                                                                                |
|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Shaft Type                | 18 Teeth knurled                                                                  | Flat shaft                                                                        | Slotted shaft                                                                      | Round shaft                                                                         |
| Dimensions                |  |  |  |  |
| Standard Shaft Length (L) | 15, 20, 25, 30                                                                    |                                                                                   |                                                                                    |                                                                                     |

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.

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[RD901F-20-15R-B5K-00L1](#) [RD901F-20-15K-B100K-00L1](#) [RD901F-20-15F-B10K-00L1](#) [RD901F-40-15F-B100K-](#)  
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