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JOYSTICKS

MG Multi-function ergonomic right hand grip

Features
- Optimum ergonomic design
- High performance switches

Mechanical Specifications
- Material: thermoplastic
- Colour: black
- Operating temperature range: -25 °C / + 85°C
- Connecting hub: Female thread / M14 x 1,5
- Protection class: IP65 with plain grip (IP 67 with special assembly on request)
- IP54 with dead man trigger option

Electrical Specifications
- Prewired exit cable: 250 mm
- Rated amperage: up to 3 A inductive
- Rated amperage: up to 5 A resistive
- Operational life: up to 100,000 cycles
- Available colours: red, blue, yellow, black, green, white
- Button and bezel material: thermoplastic
- Contacts: gold plated silver alloy

Configuration Examples

<table>
<thead>
<tr>
<th>Overall Dimensions</th>
<th>D-man P/B</th>
<th>Front P/B</th>
<th>Rear P/B</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-man P/B</td>
<td>Front P/B</td>
<td>Rear P/B</td>
<td></td>
</tr>
<tr>
<td>MG-0000-0000</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>MG-A000-0000-0000</td>
<td>yes</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>MG-A1P9-0000-0000</td>
<td>yes</td>
<td>1xP9</td>
<td></td>
</tr>
<tr>
<td>MG-A2P9-0000-0000</td>
<td>yes</td>
<td>2xP9</td>
<td></td>
</tr>
<tr>
<td>MG-A3P9-0000-0000</td>
<td>yes</td>
<td>3xP9</td>
<td></td>
</tr>
<tr>
<td>MG-A4P9-0000-0000</td>
<td>yes</td>
<td>4xP9</td>
<td></td>
</tr>
<tr>
<td>MG-A5P9-0000-0000</td>
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<td>5xP9</td>
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</tr>
<tr>
<td>MG-A6P9-0000-0000</td>
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<td>6xP9</td>
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</tr>
<tr>
<td>MG-A7P9-0000-0000</td>
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<td>7xP9</td>
<td></td>
</tr>
<tr>
<td>MG-A7P9-0000-R1P9</td>
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<td>7xP9</td>
<td>1xP9</td>
</tr>
<tr>
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<td>7xP9</td>
<td>2xP9</td>
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<tr>
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<td>yes</td>
<td>7xP9</td>
<td>3xP9</td>
</tr>
</tbody>
</table>

Complete Ordering Information : See Page 37

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**Electrical Specifications**
- Rated amperage: up to 3 A inductive
- Protection Class (microswitch): IP67

**Configuration Examples**

<table>
<thead>
<tr>
<th>Mod.</th>
<th>F/B</th>
<th>P/B</th>
<th>FRP</th>
<th>Overall Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG-01P9-1FPR-0000</td>
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<td>1xFPR</td>
<td>1xFPR</td>
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<tr>
<td>MG-02P9-1FPR-0000</td>
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<td>2xFPR</td>
<td>1xFPR</td>
<td>1xFPR</td>
</tr>
<tr>
<td>MG-02P9-2FPR-0000</td>
<td>yes</td>
<td>2xFPR</td>
<td>1xFPR</td>
<td>1xFPR</td>
</tr>
<tr>
<td>MG-02P9-3FPR-0000</td>
<td>yes</td>
<td>2xFPR</td>
<td>1xFPR</td>
<td>1xFPR</td>
</tr>
<tr>
<td>MG-02P9-4FPR-0000</td>
<td>yes</td>
<td>2xFPR</td>
<td>1xFPR</td>
<td>1xFPR</td>
</tr>
<tr>
<td>MG-02P9-3FPR-0000</td>
<td>yes</td>
<td>2xFPR</td>
<td>1xFPR</td>
<td>1xFPR</td>
</tr>
</tbody>
</table>

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**Features**
- Optimum ergonomic design
- Internal PWM driver

**Mechanical Specifications**
- Material: thermoplastic
- Colour: black
- Operating temperature range: -25°C / + 85°C
- Connecting hub: Female thread / M14 x 1.5
- Protection class: IP67 (IP65 with plain grip)

**Electrical Specifications**
- Prewired exit cable: 250 mm
- Rectified and variable: up to 3 A inductive
- Protection Class (microswitch): IP67

**Overall Dimensions**
- Overall dimensions: 127 mm

**Configuration Examples**
- MG-01P9-1FPR-1PWM 0 1xP9 1xFPR 1xPWM
- MG-A2P9-1FPR-1PWM yes 2xP9 1xFPR 1xPWM
- MG-A3P9-1FPR-1PWM yes 3xP9 1xFPR 1xPWM
- MG-A4P9-1FPR-1PWM yes 4xP9 1xFPR 1xPWM

**PWM - Pulse Width Modulated output current driver**
- Supply voltage: 8 - 32 Volt
- Max. current draw: 100 mA
- Current output range: Factory set 0 and 1500 mA
- PWM other frequency: 100 Hz
- Operating temperature range: -25°C/85°C

**PWM dither frequency**
- PWM dither frequency: 100 Hz
- Operating temperature range: -25°C/85°C

**Configuration Examples**
- MG-01P9-1FPR-1PWM 0 1xP9 1xFPR 1xPWM
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**TECNO**

**JOYSTICKS**

**MG Multi-function ergonomic right hand grip**

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- Operating temperature range: -25°C / + 85°C
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