Consult "Precautions" before use, installation or service of MAC Valves.
Consult “Precautions” before use, installation or service of MAC Valves.

## Operational Benefits

1. The 4-way pilot develops maximum shifting forces both ways.
2. Memory spring available.
3. Balanced spool, immune to variations of pressure, also provides high flow.
4. Short stroke with high flow.
5. Bonded seal spool with minimum friction, shifting in a glass-like finished bore.
6. Pilot with balanced poppet, high flow, short and consistent response times.
7. Wiping effect eliminates sticking.
8. Long service life.

### How to Order Valve for Circuit Bar Mounting

**Single Pressure Models**

<table>
<thead>
<tr>
<th>Port size (see circuit bar)</th>
<th>5/2 Single operator</th>
<th>5/2 Double operator</th>
<th>5/3 Closed center</th>
<th>5/3 Open center</th>
<th>5/3 Pressure center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve less base</td>
<td>92B-AAA-000-DM-DxxP-xxx</td>
<td>92B-BAA-000-DM-DxxP-xxx</td>
<td>92B-EAA-000-DM-DxxP-xxx</td>
<td>92B-FAA-000-DM-DxxP-xxx</td>
<td>92B-GAA-000-DM-DxxP-xxx</td>
</tr>
</tbody>
</table>

**Dual Pressure Models (Requires Sandwich Pressure Regulator)**

<table>
<thead>
<tr>
<th>Port size (see circuit bar)</th>
<th>5/2 Single operator</th>
<th>5/2 Double operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve less base</td>
<td>92B-CAA-000-DM-DxxP-xxx</td>
<td>92B-DAA-000-DM-DxxP-xxx</td>
</tr>
</tbody>
</table>

### Solenoid Operator

**Voltage**
- JA: 240/60, 220/50
- JA: 120/60, 110/50
- JC: 24VDC (1.8 W)
- JD: 24VDC (5.4 W)
- DF: 24VDC (12.7 W)

**Manual Operator**
- 1: Non-locking
- 2: Locking
- XX: Other Options

**Electrical Connection**
- DM: Plug-in
- DG: Plug-in w/ground

Note: Ground wire required for solenoids 30 volts and above.

### How to Order Circuit Bar

<table>
<thead>
<tr>
<th>Port size</th>
<th>Pilot air</th>
<th>Side cylinder ports (25 mm)</th>
<th>Bottom cylinder ports (25 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 NPTF</td>
<td>Internal</td>
<td>CBM092B-01AAA-A0*xx</td>
<td>CBM092B-01BAA-A0*xx</td>
</tr>
<tr>
<td></td>
<td>Common external</td>
<td>CBM092B-01CAA-A0*xx</td>
<td>CBM092B-01DAA-A0*xx</td>
</tr>
<tr>
<td>3/8 NPTF</td>
<td>Internal</td>
<td>CBM092B-01AAD-A0*xx</td>
<td>CBM092B-01BAD-A0*xx</td>
</tr>
<tr>
<td></td>
<td>Common external</td>
<td>CBM092B-01CAD-A0*xx</td>
<td>CBM092B-01DAD-A0*xx</td>
</tr>
<tr>
<td></td>
<td>Common external</td>
<td>CBM092B-01AG-A0*xx</td>
<td>CBM092B-01BAD-A0*xx</td>
</tr>
</tbody>
</table>

Number of stations (03=3 stations)

Note: 
- Mark for valves mounted on base at the factory (add - 9 to the model number).
- For multi-pin connector (9, 15 or 25).

* If replaced by BO: circuit bar for single operator valves only.

Consult “Precautions” before use, installation or service of MAC Valves.
Options:
Sandwich flow controls available, consult factory.

92B-AAA-000-DM-DXXP-1DM
For lights on valve, replace by B.
For lights and diode on valve, replace by F.
For lights and MOV on valve, replace by H.

Technical Data:

Fluid:
Compressed air, vacuum, inert gases

Pressure range:
- Internal pilot: 20 to 120 PSI, 3 positions: 35 to 120 PSI
- External pilot: vacuum to 120 PSI, 3 positions: 35 to 120 PSI

Pilot pressure:
20 to 120 PSI, 3 positions: 35 to 120 PSI

Lubrication:
Not required, if used select a medium aniline point lubricant (between 180°F to 210°F)

Filtration:
40 μ

Temperature range:
0°F to 120°F (-18°C to +50°C)

Office:
6.2 mm

Flow (at 6 bar, ∆P=1bar):
1.0 Cv

Leak rate:
50 cm³/min

Coil:
General purpose class A, continuous duty, encapsulated

Voltage range:
-15% to +10% of nominal voltage

Protection:
NEMA 4

Power:
- Inrush: 7.6 VA
- Holding: 4.8 VA
- 1.8 to 12.7 W

Response times:
- 24 V=5.4 W: Energize: 8 ms, De-energize: 7 ms
- 60Hz=2.9 W: Energize: 7-13 ms, De-energize: 12-20 ms

Spare parts:
- Pilot valve: DMB-DXXP-XXX-1 including mounting screws 35069 (x2) and seal 16544.
- Pressure seal between valve and base: 16543.
- Mounting screws valve to base (x2): 35050.
- Blanking plate: M-92002.

Options:
- BSPP threads.
- Isolation of inlet and/or exhaust.
- Circuit bar for number of stations > 24.

Dimensions:

Consult "Precautions" before use, installation or service of MAC Valves.
Consult "Precautions" before use, installation or service of MAC Valves.

### Operational Benefits
1. The 4-way pilot develops maximum shifting forces both ways.
2. Memory spring available.
3. Balanced spool, immune to variations of pressure, also provides high flow.
4. Short stroke with high flow.
5. Bonded seal spool with minimum friction, shifting in a glass-like finished bore.
6. Pilot with balanced poppet, high flow, short and consistent response times.
7. Wiping effect eliminates sticking.
8. Long service life.

### HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

#### SINGLE PRESSURE MODELS

<table>
<thead>
<tr>
<th>Port size (see circuit bar)</th>
<th>5/2 Single operator</th>
<th>5/2 Double operator</th>
<th>5/3 Closed center</th>
<th>5/3 Open center</th>
<th>5/3 Pressure center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve less base</td>
<td>92B-AAA-000-DM-DxxP-xx</td>
<td>92B-AAA-000-DM-DxxP-xx</td>
<td>92B-EAA-000-DM-DxxP-xx</td>
<td>92B-FAA-000-DM-DxxP-xx</td>
<td>92B-GAA-000-DM-DxxP-xx</td>
</tr>
</tbody>
</table>

#### DUAL PRESSURE MODELS (REQUIRES SANDWICH PRESSURE REGULATOR)

<table>
<thead>
<tr>
<th>Port size (see circuit bar)</th>
<th>5/2 Single operator</th>
<th>5/2 Double operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve less base</td>
<td>92B-CAA-000-DM-DxxP-xx</td>
<td>92B-DAA-000-DM-DxxP-xx</td>
</tr>
</tbody>
</table>

### SOLENOID OPERATOR

- **DM-DxxP-XX**
  - **XX Voltage**
    - **JB** 240/60, 220/50
    - **JA** 120/60, 110/50
    - **JC** 24 VDC (1.8 W)
    - **JD** 24 VDC (5.4 W)
    - **BF** 24 VDC (12.7 W)
  - **XX Electrical connection**
    - **DM** Plug-in
    - **DG** Plug-in w/ground
  - **XX Manual operator**
    - **1** Non-locking
    - **2** Locking
    - **XX** Other Options
  - **xx Other Options**

### HOW TO ORDER CIRCUIT BAR

<table>
<thead>
<tr>
<th>Port size (NPTF)</th>
<th>Pilot air</th>
<th>Side cylinder ports (25 mm)</th>
<th>Bottom cylinder ports (25 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 NPTF</td>
<td>Internal</td>
<td>CBM092B-01ABA-A0**xx</td>
<td>CBM092B-011BA-A0**xx</td>
</tr>
<tr>
<td></td>
<td>Common external</td>
<td>CBM092B-01CBA-A0**xx</td>
<td>CBM092B-011BA-A0**xx</td>
</tr>
<tr>
<td>1/4 NPTF</td>
<td>Internal</td>
<td>CBM092B-01ABD-A0**xx</td>
<td>CBM092B-011BD-A0**xx</td>
</tr>
<tr>
<td></td>
<td>Common external</td>
<td>CBM092B-01CBD-A0**xx</td>
<td>CBM092B-011BD-A0**xx</td>
</tr>
<tr>
<td>3/8 NPTF</td>
<td>Internal</td>
<td>CBM092B-01ABG-A0**xx</td>
<td>CBM092B-011BG-A0**xx</td>
</tr>
<tr>
<td></td>
<td>Common external</td>
<td>CBM092B-01CBG-A0**xx</td>
<td>CBM092B-011BG-A0**xx</td>
</tr>
</tbody>
</table>

* If replaced by BO: circuit bar for single operator valves only.

For multi-pin connector (9, 15 or 25).

Note: add-a-unit stations may be added to above bars. See page for model numbers.
Options
Sandwich flow controls available, consult factory.

For lights on valve, replace by B.
For lights and diode on valve, replace by F.
For lights and MOV on valve, replace by H.

Technical Data

Fluid: Compressed air, vacuum, inert gases

Pressure range:
- Internal pilot: 20 to 120 PSI
- External pilot: vacuum to 120 PSI

Pilot pressure:
- Internal pilot: 20 to 120 PSI
- External pilot: vacuum to 120 PSI

Lubrication:
- Not required, if used select a medium aniline point lubricant (between 180°F to 210°F)

Filtration: 40 µ

Temperature range: 0°F to 120°F (-18°C to +50°C)

Orifice: 6.2 mm

Flow (at 6 bar, ∆P=1bar): 1.0 Cv

Leak rate: 50 cm³/min

Voltage range: -15% to +10% of nominal voltage

Protection: NEMA 4

Power:
- Inrush: 7.6 VA
- Holding: 4.8 VA
- W/ Regulator: 7-13 ms
- W/ Flow Control: 7-13 ms

Response times:
- 24 V=5.4 W Energize: 8 ms De-energize: 7 ms
- 60Hz/2.9 W Energize: 7-13 ms De-energize: 12-20 ms

Spare parts:
- Pilot valve: DMB-DXXP-XXX-1 including mounting screws 35069 (x2) and seal 16544.
- Pressure seal between valve and base: 16543.
- Mounting screws valve to base (x2): 35050.
- Blanking plate: M-92002.
- End plate kit: M-92001-01.
- Isolator disc between add-a-units: 28413.

Options:
- BSPP threads.
- Isolation of inlet and/or exhaust.
- Circuit bar for number of stations > 24.

Dimensions are based on 25 mm centerline spacing.

Note: Bottom & side cylinder ports not available on the same station.

Consult "Precautions" before use, installation or service of MAC Valves.
**Function** | **Port size** | **Flow (Max)** | **Circuit bar mounting**
--- | --- | --- | ---
5/2 - 5/3 - 3/2 | 1/8 - 1/4 - 3/8 | 1.0Cv | Add-a-unit stations for CBM092B

**OPERATIONAL BENEFITS**
1. The 4-way pilot develops maximum shifting forces both ways.
2. Memory spring available.
3. Balanced spool, immune to variations of pressure, also provides high flow.
4. Short stroke with high flow.
5. Bonded seal spool with minimum friction, shifting in a glass-like finished bore.
6. Pilot with balanced poppet, high flow, short and consistent response times.
7. Wiping effect eliminates sticking.
8. Long service life.

**HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING**

**SINGLE PRESSURE MODELS**

<table>
<thead>
<tr>
<th>Port size (see circuit bar)</th>
<th>5/2 Single operator</th>
<th>5/2 Double operator</th>
<th>5/3 Closed center</th>
<th>5/3 Open center</th>
<th>5/3 Pressure center</th>
</tr>
</thead>
</table>

**DUAL PRESSURE MODELS (REQUIRES SANDWICH PRESSURE REGULATOR)**

<table>
<thead>
<tr>
<th>Port size (see circuit bar)</th>
<th>5/2 Single operator</th>
<th>5/2 Double operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve less base</td>
<td>2B-CAA-000-DM-DxxP-xxx</td>
<td>2B-DAA-000-DM-DxxP-xxx</td>
</tr>
</tbody>
</table>

**SOLENOID OPERATOR**

<table>
<thead>
<tr>
<th>XX</th>
<th>Voltage</th>
<th>X</th>
<th>Manual operator</th>
<th>XX</th>
<th>Electrical connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>JB</td>
<td>240/60, 220/50</td>
<td>1</td>
<td>Non-locking</td>
<td>DM</td>
<td>Plug-in</td>
</tr>
<tr>
<td>JA</td>
<td>120/60, 110/50</td>
<td>2</td>
<td>Locking</td>
<td>DG</td>
<td>Plug-in w/ground</td>
</tr>
<tr>
<td>JC</td>
<td>24/60, 24/50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FB</td>
<td>24VDC (1.8 W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DA</td>
<td>24VDC (5.4 W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DF</td>
<td>24VDC (12.7 W)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Options</td>
<td>Other Options</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HOW TO ORDER CIRCUIT BAR**

<table>
<thead>
<tr>
<th>Port size</th>
<th>Side cylinder ports (25 mm)</th>
<th>Bottom cylinder ports (25 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 NPTF</td>
<td>CBM092B-01ACA-AO*xx</td>
<td>CBM092B-018CA-AO*xx</td>
</tr>
<tr>
<td>1/4 NPTF</td>
<td>CBM092B-01ACD-AO*xx</td>
<td>CBM092B-018CD-AO*xx</td>
</tr>
<tr>
<td>3/8 NPTF</td>
<td>CBM092B-01ACG-AO*xx</td>
<td>CBM092B-018CG-AO*xx</td>
</tr>
</tbody>
</table>

Number of stations (01=1 stations). Available in one (1) or two (2) station lengths.
Note: Add for stations. Available in one (1) or two station lengths. Add - 9 to the model number.
When add-a-units are added to bars with a multi-pin connector, MOD SD03 should be included with add-a-unit model number.

* If replaced by BO: circuit bar for single operator valves only.

Consult "Precautions" before use, installation or service of MAC Valves.
Consult "Precautions" before use, installation or service of MAC Valves.

OPTIONS
Sandwich flow controls available, consult factory.
92B-AAA-000-DIM-DXXP-XXX-1DM

For lights on valve, replace by B.
For lights and diode on valve, replace by F.
For lights and MOV on valve, replace by H.

TECHNICAL DATA

Fluid:
Compressed air, vacuum, inert gases

Pressure range:
Internal pilot: 20 to 120 PSI 3 positions: 35 to 120 PSI
External pilot: vacuum to 120 PSI 3 positions: 35 to 120 PSI

Pilot pressure:
20 to 120 PSI 3 positions: 35 to 120 PSI

Lubrication:
Not required, if used select a medium aniline point lubricant (between 180°F to 210°F)

Filtration:
40 µ

Temperature range:
0°F to 120°F (-18°C to +50°C)

Orifice:
6.2 mm

Flow (at 6 bar, ∆P=1 bar):
1.0 Cv

Leak rate:
50 cm³/min

Coil:
General purpose class A, continuous duty, encapsulated

Voltage range:
-15% to +10% of nominal voltage

Protection:
NEMA 4

Power:
= Inrush: 7.6 VA Holding: 4.8 VA
60Hz/2.9 W Energize: 7-13 ms De-energize: 12-20 ms

Response times:
24 V=5.4 W Energize: 8 ms De-energize: 7 ms
60Hz/2.9 W Energize: 7-13 ms De-energize: 12-20 ms

Spare parts:
• Pilot valve: DMB-DXXP-XXX-1 including mounting screws 35069 (x2) and seal 16544.
• Pressure seal between valve and base: 16543.
• Mounting screws valve to base (x2): 35050.
• Blanking plate: M-92002.
• BSPP threads.
• Isolation of inlet and/or exhaust.
• Circuit bar for number of stations > 24.

Options:
• BSP threads.
• Isolation of inlet and/or exhaust.
• Circuit bar for number of stations > 24.

DIMENSIONS

Consult "Precautions" before use, installation or service of MAC Valves.
Section 2 Options
Consult "Precautions" before use, installation or service of MAC Valves.

**Codification table for voltages / Wire length / Manual operator / Electrical connection**

<table>
<thead>
<tr>
<th>VALVE CODE</th>
<th>D M - DXX X - X XX</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4</td>
<td></td>
</tr>
</tbody>
</table>

**OPTIONS AVAILABLE FOR**

- pilot operated valves 400, 52 & 92 Series
Consult "Precautions" before use, installation or service of MAC Valves.

### 1. Voltage

<table>
<thead>
<tr>
<th>-D XX X-XX</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB</td>
<td>12 VDC (5.4 W)</td>
</tr>
<tr>
<td>DC</td>
<td>12 VDC (7.5 W)</td>
</tr>
<tr>
<td>DD</td>
<td>24 VDC (7.3 W)</td>
</tr>
<tr>
<td>DE</td>
<td>12 VDC (12.7 W)</td>
</tr>
<tr>
<td>DK</td>
<td>110 VDC (5.8 W)</td>
</tr>
<tr>
<td>DJ</td>
<td>28 VDC (5.7 W)</td>
</tr>
<tr>
<td>DL</td>
<td>64 VDC (6.0 W)</td>
</tr>
<tr>
<td>DM</td>
<td>36 VDC (5.8 W)</td>
</tr>
<tr>
<td>DN</td>
<td>6 VDC (6.0 W)</td>
</tr>
<tr>
<td>DR</td>
<td>90 VDC (6.6 W)</td>
</tr>
<tr>
<td>DS</td>
<td>110 VDC (7.3 W), 100 VDC (6.0 W)</td>
</tr>
<tr>
<td>DT</td>
<td>75 VDC (5.6 W)</td>
</tr>
<tr>
<td>DP</td>
<td>48 VDC (5.8 W)</td>
</tr>
<tr>
<td>FA</td>
<td>12 VDC (1.8 W)</td>
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<tr>
<td>FE</td>
<td>12 VDC (2.4 W)</td>
</tr>
<tr>
<td>FF</td>
<td>24 VDC (2.4 W)</td>
</tr>
<tr>
<td>JD</td>
<td>100/60, 100/50, 110/60</td>
</tr>
</tbody>
</table>

### 2. Wire Length

<table>
<thead>
<tr>
<th>-D XX X-XX</th>
<th>Wire Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>24&quot;</td>
</tr>
<tr>
<td>C</td>
<td>36&quot;</td>
</tr>
<tr>
<td>D</td>
<td>48&quot;</td>
</tr>
<tr>
<td>E</td>
<td>72&quot;</td>
</tr>
<tr>
<td>F</td>
<td>96&quot;</td>
</tr>
</tbody>
</table>
### 3. MANUAL OPERATOR

<table>
<thead>
<tr>
<th>DXX</th>
<th>X</th>
<th>XX</th>
<th>Option Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td>No operator</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>Non-locking recessed</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>Locking recessed</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>Non-locking extended</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>Locking extended</td>
</tr>
</tbody>
</table>

### 4. ELECTRICAL CONNECTION

<table>
<thead>
<tr>
<th>DXX</th>
<th>X</th>
<th>XX</th>
<th>Option Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8A</td>
<td></td>
<td></td>
<td>Flying leads</td>
</tr>
<tr>
<td>8K</td>
<td></td>
<td></td>
<td>8A with protection diode</td>
</tr>
<tr>
<td>8L</td>
<td></td>
<td></td>
<td>8A with protection varistor</td>
</tr>
<tr>
<td>CA</td>
<td></td>
<td></td>
<td>1/2&quot; NPS conduit</td>
</tr>
<tr>
<td>JB</td>
<td></td>
<td></td>
<td>Rectangular connector</td>
</tr>
<tr>
<td>JD</td>
<td></td>
<td></td>
<td>Rectangular connector with light</td>
</tr>
<tr>
<td>JM</td>
<td></td>
<td></td>
<td>Rectangular connector, male only</td>
</tr>
<tr>
<td>KA</td>
<td></td>
<td></td>
<td>Square connector</td>
</tr>
<tr>
<td>KB</td>
<td></td>
<td></td>
<td>Square connector with protection diode</td>
</tr>
<tr>
<td>KC</td>
<td></td>
<td></td>
<td>Square connector with protection varistor</td>
</tr>
<tr>
<td>KD</td>
<td></td>
<td></td>
<td>Square connector with light</td>
</tr>
<tr>
<td>KE</td>
<td></td>
<td></td>
<td>Square connector with light and protection diode</td>
</tr>
<tr>
<td>KF</td>
<td></td>
<td></td>
<td>Square connector with light and protection varistor</td>
</tr>
<tr>
<td>KJ</td>
<td></td>
<td></td>
<td>Square connector (male only)</td>
</tr>
<tr>
<td>KK</td>
<td></td>
<td></td>
<td>Square connector with protection diode (male only)</td>
</tr>
<tr>
<td>KL</td>
<td></td>
<td></td>
<td>Square connector with protection varistor (male only)</td>
</tr>
<tr>
<td>TA</td>
<td></td>
<td></td>
<td>Dual tabs</td>
</tr>
<tr>
<td>TB</td>
<td></td>
<td></td>
<td>TA with protection diode</td>
</tr>
<tr>
<td>TD</td>
<td></td>
<td></td>
<td>TA with light</td>
</tr>
<tr>
<td>TE</td>
<td></td>
<td></td>
<td>TA with light and protection diode</td>
</tr>
<tr>
<td>TJ</td>
<td></td>
<td></td>
<td>Dual tabs (male only)</td>
</tr>
<tr>
<td>TK</td>
<td></td>
<td></td>
<td>TJ with protection diode</td>
</tr>
<tr>
<td>TM</td>
<td></td>
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<td>TJ with light</td>
</tr>
<tr>
<td>TN</td>
<td></td>
<td></td>
<td>TJ with light and protection diode</td>
</tr>
<tr>
<td>DN</td>
<td></td>
<td></td>
<td>Plug-in with diode</td>
</tr>
<tr>
<td>DP</td>
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<td></td>
<td>Plug-in with M.O.V.</td>
</tr>
<tr>
<td>DH</td>
<td></td>
<td></td>
<td>Plug-in with diode &amp; ground</td>
</tr>
<tr>
<td>DJ</td>
<td></td>
<td></td>
<td>Plug-in with M.O.V &amp; ground</td>
</tr>
</tbody>
</table>

* These options only apply to the 92 series. All others are for the 400 and 52 series.
MOD. SD09

- Type «SUB_D»
- Number of contacts : 9
- Solder termination (Dia. 0.6 mm/0.14 mm²/26-22 AWG)
- Operating current 5 A/contact
- Rated voltage 125 V~
- Temp. range –40° to +125°C
- Insulation resistance ≥ 5.09 Ω
- Protection class IP40 (DIN 40050)
- Number of solenoids : 7 max.
- Max. 24 V=5.4 W per solenoid
- 2 common wires

Note: Use desired MOD. number after circuit bar part number

MOD. SD15

- Type «SUB_D»
- Number of contacts : 15
- Solder termination (Dia. 0.6 mm/0.14 mm²/26-22 AWG)
- Operating current 5 A/contact
- Rated voltage 125 V~
- Temp. range –40° to +125°C
- Insulation resistance ≥ 5.09 Ω
- Protection class IP40 (DIN 40050)
- Number of solenoids : 12 max.
- Max. 24 V=5.4 W per solenoid
- 3 common wires

MOD. SD25

- Type «SUB_D»
- Number of contacts : 25
- Solder termination (Dia. 0.6 mm/0.14 mm²/26-22 AWG)
- Operating current 5 A/contact
- Rated voltage 125 V~
- Temp. range –40° to +125°C
- Insulation resistance ≥ 5.09 Ω
- Protection class IP40 (DIN 40050)
- Number of solenoids : 20 max.
- Max. 24 V=5.4 W per solenoid
- 5 common wires

Note: Use desired MOD. number after circuit bar part number
## Connector termination details

### Single solenoid circuit bar

<table>
<thead>
<tr>
<th>SOL 1</th>
<th>SOL 2</th>
<th>SOL 3</th>
<th>SOL 4</th>
<th>SOL 5</th>
<th>SOL 6</th>
<th>SOL 7</th>
<th>SOL 8</th>
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<th>SOL 18</th>
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<th>SOL 20</th>
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<th>SOL 22</th>
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<th>SOL 24</th>
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### Double solenoid circuit bar

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<th>SOL 4</th>
<th>SOL 5</th>
<th>SOL 6</th>
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<th>SOL 24</th>
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