For electrovalves, style A, 3p+G, female, with cable

Per elettrovalvole, stile A, 3p+T, femmina, con cavo

EN175301-803 style A square connector,
(former DIN 43550-A), ISO 4400,
built-in gasket;
wide cable choice; single head or extension cable;
application with electrovalves, etc.
Used also as 2-pole in substitution of CA series,
when it is required to avoid the polarity inversion.

connettore quadrato EN175301-803 stile A,
(ex DIN 43550-A), ISO 4400,
gommato integrato;  vasta scelta di cavi; singola testa o prolunga;
applicazione con elettrovalvole, ecc.
Usato anche come 2 poli al posto della serie CA,
quando occorre evitare l'inversione di polarità.

At the first order, the sales service will communicate also a 5-character short code and the product characteristics will be agreed with a specific drawing.

Al momento del primo ordine, il servizio vendita comunicherà anche un codice breve di 5 caratteri e le caratteristiche del prodotto saranno concordate con un disegno specifico.

**CONNECTORS | CONNETTORI**

### TPR (thermoset rubber) housing

- **Protection degree IEC 60529 (a3):**
  - IP65: 70°C 
  - IP67: 10°C, 100°C

- **Material:**
  - Housing hardness: 90 shore A
  - Head temperature: 10°C

- **Oil resistance:**
  - Good

- **Housing characteristic:**
  - Zinc plated iron

- **Specifications:**
  - B: 1000 mm
  - C: 500 mm
  - D: 100 mm

- **Contact type:**
  - Anti-vibration

- **Code:**
  - A11 1000 00 0

- **Key code:**
  - B11 10A0 0 0

- **Additional information:**
  - Made in Italy

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### CONNECTORS

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC11 0300</td>
<td>513</td>
<td>3000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC12 0300</td>
<td>513</td>
<td>3000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC13 0300</td>
<td>513</td>
<td>3000</td>
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<td></td>
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<tr>
<td>CC14 0300</td>
<td>513</td>
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<tr>
<td>CC15 0300</td>
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<tr>
<td>CC16 0300</td>
<td>513</td>
<td>3000</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CC17 0300</td>
<td>513</td>
<td>3000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CC18 0300</td>
<td>513</td>
<td>3000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **A1)** Yellow codes are preferred; more other circuits available on page 46-2; columns B, C, D show standard versions, see the following tables for more data and available options.
- **A2)** Abbreviations: bn = brown, gn = green, ye = yellow, bu = blue, bk = black.
- **A3)** Circuits with 2p listed on CA series data sheet can be used with CC series, when it is required to avoid the polarity inversion.
- **A4)** When it is required to avoid the polarity inversion.
- **A5)** The last character on the right in column A specify the LED colour:
  - L1 green, L2 red: E = L1 red, L2 green; M = L1 yellow, L2 green;
  - L1 red, L2 green: H = L1 red, L2 green; M = L1 yellow, L2 green;
  - L1 green, L2 red: E = L1 red, L2 green; M = L1 yellow, L2 green;

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<table>
<thead>
<tr>
<th>CC11</th>
<th>CC12</th>
<th>CC13</th>
<th>CC14</th>
<th>CC15</th>
<th>CC16</th>
<th>CC17</th>
<th>CC18</th>
</tr>
</thead>
<tbody>
<tr>
<td>0300</td>
<td>0300</td>
<td>0300</td>
<td>0300</td>
<td>0300</td>
<td>0300</td>
<td>0300</td>
<td>0300</td>
</tr>
</tbody>
</table>

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**check updated technical characteristics on our web site | verificare caratteristiche tecniche aggiornate sul nostro sito web**

www.shield.net
### B cable code (code cavo)

| B | IP max | max current (A) | voltage drop (V) | wires x size (mm²) | cable material | cable reference | cable color (fil) | cable class (classe) | cable temperature max (°C) | cable data sheet (scheda) |
|---|--------|----------------|-----------------|--------------------|---------------|----------------|----------------.|----------------.|-----------------|-----------------|
| 1 | 1.5    | 3.0            | 1.0             | 1.5                | 1.5           | 1.5            | 1.0            | 1.0            | 1.0             | 1.0             |
| 2 | 2.0    | 3.0            | 1.0             | 1.5                | 1.5           | 1.5            | 1.0            | 1.0            | 1.0             | 1.0             |
| 3 | 2.5    | 3.0            | 1.0             | 1.5                | 1.5           | 1.5            | 1.0            | 1.0            | 1.0             | 1.0             |
| 4 | 3.0    | 3.0            | 1.0             | 1.5                | 1.5           | 1.5            | 1.0            | 1.0            | 1.0             | 1.0             |

### C length code (lunghezza cavo)

<table>
<thead>
<tr>
<th>C</th>
<th>1000</th>
<th>1500</th>
<th>2000</th>
<th>2500</th>
<th>3000</th>
<th>3500</th>
<th>4000</th>
<th>4500</th>
<th>5000</th>
<th>5500</th>
<th>6000</th>
<th>6500</th>
<th>7000</th>
<th>7500</th>
<th>8000</th>
<th>8500</th>
<th>9000</th>
<th>9500</th>
<th>10000</th>
<th>11000</th>
</tr>
</thead>
<tbody>
<tr>
<td>m</td>
<td>1</td>
<td>1.5</td>
<td>2</td>
<td>2.5</td>
<td>3</td>
<td>3.5</td>
<td>4</td>
<td>4.5</td>
<td>5</td>
<td>5.5</td>
<td>6</td>
<td>6.5</td>
<td>7</td>
<td>7.5</td>
<td>8</td>
<td>8.5</td>
<td>9</td>
<td>9.5</td>
<td>10</td>
<td>10.5</td>
</tr>
</tbody>
</table>

### D key code (codice chiave)

<table>
<thead>
<tr>
<th>D</th>
<th>3</th>
<th>6</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>ground position (posizione terra)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### E variant code (codice variante)

<table>
<thead>
<tr>
<th>E</th>
<th>empty space or 00</th>
<th>06</th>
<th>10</th>
<th>21</th>
<th>X3</th>
</tr>
</thead>
<tbody>
<tr>
<td>max marking plate dimension (dimensione targa)</td>
<td>1.5</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>max marking plate dimension (dimensione targa)</td>
<td>1.5</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

### F second side (secondo lato (f1))

<table>
<thead>
<tr>
<th>F</th>
<th>empty space (spazio vuoto)</th>
<th>RELM</th>
<th>RDMM</th>
</tr>
</thead>
<tbody>
<tr>
<td>description (descrizione)</td>
<td>only stripped cable</td>
<td>cable side view</td>
<td>male connector face view</td>
</tr>
<tr>
<td>M12, straight (sp = G)</td>
<td>M12, angled (sp = T)</td>
<td>M12, angled, sp = G</td>
<td>M12, angled (sp = T)</td>
</tr>
</tbody>
</table>

### Cables and Connectors

- **Max Currents**: The max current for IP ratings of 1.5 to 10 is 3.0 A, for IP65 is 2.5 A, and for IP67 is 2.0 A.
- **Voltage Drops**: The voltage drop for wires of 1.5 mm² is 1.0 V, and for 1.0 mm² it is 1.5 V.
- **Material**: Cables are made of PVC, silicone, and PUR.
- **Color Codes**: Standard color codes include blue, black, green/yellow, and more.
- **Temperature Ranges**: Operating temperatures range from -40°C to 80°C, with storage temperatures ranging from -20°C to 80°C.
- **Marking Plate**: Marking plates are available in various sizes, with max marking plate dimensions of 1.5 to 5 mm.
- **Wires**: Wires are available in various colors and sizes, including 4 x 1.5 mm² and 3 x 1.0 mm².
- **Other Characteristics**: Additional characteristics include stainless steel central screws, marking carriers, and terminal blocks.

Please refer to the data sheet for more detailed information.