For electrovalves, style C, 2p or 3p + G, female, with cable

**EN175301-803 style C** micro connector, (former DIN 43650-C), ISO 15217, 2 or 3 poles + ground, contact distance 8 mm; built-in gasket; wide cable choice; single head or extension cable; application with electrovalves, etc.; 2-pole version is symmetric and can be rotated 180°, to change the cable exit direction.

*connettore micro EN175301-803 stile C, (ex DIN 43650-C), ISO 15217, 2 o 3 p + terra, interasse contatti 8 mm; guarnizione integrale; vasta scelta di cavi: singole teste o prolunga applicazione con elettrovalvole, ecc.; la versione 2 p è simmetrica e può essere ruotata di 180°, per cambiare la direzione di uscita del cavo.*

**Other characteristics**
- TPR (thermoplastic rubber) housing
- Al momento del primo ordine, il servizio vendite comunicherà
- application with electrovalves, etc.
- volttero version is symmetric and can be rotated 180°
- to change the cable exit direction.

**make the description code in a few steps**

<table>
<thead>
<tr>
<th>(i codici gialli sono preferiti)</th>
<th>form il codice descrittivo in pochi passaggi</th>
</tr>
</thead>
</table>

**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 vendite comunicherà anche un codice breve di 5 caratteri e le caratteristiche del prodotto saranno concordate con un disegno specifico.**

**IPR (thermoplastic rubber) housing**
- protection degree IEC 60529 (a3): IP65
- head temperature: 40...125°C (max 70°C with electronic components)
- housing of resistance: occasional contact
- housing hardness: 73 shore A

**PLR (polycarbonate) housing**
- protection degree IEC 60529 (a3): IP67 or IP65, see cable characteristics in table B, column IP
- head temperature: 40...80°C (max 70°C with electronic components)
- housing of resistance: very good
- housing hardness: 90 shore A

**Other characteristics**
- IEC 60529 (a3): IP67
- node temperature: 40...80°C (max 70°C with electronic components)
- resistance of the rivetment: inner
durezza rivestimento: 90 shore A

**IEC 60529 (a3): IP67** or **IEC 60529 (a3): IP65**
- standards:
  - IEC 60529 (a3): IP67
  - IEC 60529 (a3): IP65

**M3 screw material:** zinc plated iron (for stainless steel, see table E)

| M3 screw material: | zinc plated iron (for stainless steel, see table E) |

**makes the description code in a few steps**

<table>
<thead>
<tr>
<th>(i codici gialli sono preferiti)</th>
<th>form il codice descrittivo in pochi passaggi</th>
</tr>
</thead>
</table>

| (a) yellow codes are preferred; more other circuits available page 46-2; columns B, C, D show standard versions, see the following tables for more data and available options.
| (b) abbreviations: bn = brown, gr = green, ye = yellow, bu = blue, bk = black, abbeviation: bn = marone, gr = verde, ye = giallo, bu = blu, bk = nero. |
| (c) protection degree IEC 60529 is valid only if the connector is mounted with the cable exit not upward. |
| (a) the last character on the right in column A specify the Led colour: B = blue, R = red, T = yellow, W = green; the ultimo carattere a destra nella colonna A determina il colore del Led: B = blu, R = rosso, T = giallo, W = verde. |

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[www.shield.net](http://www.shield.net)
## Technical Characteristics

<table>
<thead>
<tr>
<th>B</th>
<th>cable code</th>
<th>IP max</th>
<th>max current</th>
<th>voltage drop</th>
<th>wires x size</th>
<th>cable material</th>
<th>reference</th>
<th>wire colour</th>
<th>cable class</th>
<th>cable temperature</th>
<th>cable data sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>(b1)</td>
<td>429</td>
<td>7.0</td>
<td>0.09</td>
<td>3 x 0.50</td>
<td>pvc</td>
<td>UYTY1Y</td>
<td>bk 9035</td>
<td>A</td>
<td>5</td>
<td>-25...+80</td>
<td>MF-HK</td>
</tr>
<tr>
<td>(b1)</td>
<td>442</td>
<td>7.0</td>
<td>0.09</td>
<td>3 x 0.50</td>
<td>pvc</td>
<td>UYTY1Y</td>
<td>bk 9035</td>
<td>A</td>
<td>5</td>
<td>-25...+80</td>
<td>MF-HK</td>
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<td>bk 9035</td>
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<td>bk 9035</td>
<td>A</td>
<td>5</td>
<td>-25...+80</td>
<td>MF-HK</td>
</tr>
</tbody>
</table>

### Notes:
- Many other cables are available such as: pvc 90°C, irradiated pvc, teflon, sheathed cables, etc. (see cable catalogue).
- Many cables can be supplied with different voltages: 50...80°C, 60...180°C, etc. (see cable catalogue).
- IEC norms allow maximum values of cable drop on the cable from 3% to 5% of rated voltage (for calculation see Technical Information).
- All other cables, unless otherwise specified, comply with IEC 60332.
- Many other cables are available on request: see catalogue (see cable catalogue).

## Connection Details

| C | cable length | length code | code lunghezza (c1) | 1000 | 1500 | 2000 | 3000 | 5000 | 8000 | MT10 | MT15 | MT20 |
|---|--------------|-------------|---------------------|------|------|------|------|------|------|------|------|------|------|
| (c1) | cable length | | | m | 1 | 1.5 | 2 | 3 | 5 | 8 | 10 | 15 | 20 |

### Notes:
- Any cable length is possible for orders over 100 pieces; for extension cables lengths of 0.3 and 0.6 m are available as well.
- Possible qualsiasi lunghezza di cavo per ordini superiori a 100 pezzi; per le prolunghe sono disponibili anche le lunghezze di 0.3 e 0.6 m.

## Key Code

<table>
<thead>
<tr>
<th>D</th>
<th>key code</th>
<th>codice chiave</th>
<th>0</th>
<th>3</th>
<th>6</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>ground position</td>
<td>posizione terra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Code Variance

<table>
<thead>
<tr>
<th>E</th>
<th>variant code</th>
<th>codice variante</th>
<th>empty space or 00</th>
<th>05</th>
<th>20</th>
<th>21</th>
<th>X3 (e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>max marking plate dimension</td>
<td>dimensione max targhetta</td>
<td>--</td>
<td>--</td>
<td>4 x 30 mm</td>
<td>4 x 18 mm</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>other characteristics</td>
<td>altre caratteristiche a richiesta</td>
<td>--</td>
<td>--</td>
<td>stainless steel central screw</td>
<td>--</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Description

<table>
<thead>
<tr>
<th>F</th>
<th>second side / secondo lato (1)</th>
<th>descrizione</th>
<th>empty space / spazio vuoto</th>
<th>RDLM</th>
<th>RDMM</th>
</tr>
</thead>
<tbody>
<tr>
<td>photo</td>
<td>foto</td>
<td>only stripped cable</td>
<td>solo cavo sguainato</td>
<td>M12, straight, 2p + G</td>
<td>M12, angolato, 2p + G</td>
</tr>
<tr>
<td>wires connection</td>
<td>collegamento fili</td>
<td>--</td>
<td>--</td>
<td>M12, straight, 2p + G</td>
<td>M12, angolato, 2p + G</td>
</tr>
</tbody>
</table>

### Notes:
- (1) To verify second head characteristics, see respective product data sheets.
- (2) IEC norms allow maximum values of cable drop on the cable from 3% to 5% of rated voltage (for calculation see Technical Information).
- (3) Many other cables are available such as: pvc 90°C, irradiated pvc, teflon, sheathed cables, etc. (see cable catalogue).
- (4) Many cables can be supplied with different voltages: 50...80°C, 60...180°C, etc. (see cable catalogue).
- (5) Many other cables are available on request: see catalogue (see cable catalogue).
- (6) IEC norms allow maximum values of cable drop on the cable from 3% to 5% of rated voltage (for calculation see Technical Information).
- (7) All other cables, unless otherwise specified, comply with IEC 60332.
- (8) Many other cables are available on request: see catalogue (see cable catalogue).
- (9) Many other cables are available on request: see catalogue (see cable catalogue).
- (10) Any cable length is possible for orders over 100 pieces; for extension cables lengths of 0.3 and 0.6 m are available as well.
- (11) Possible qualsiasi lunghezza di cavo per ordini superiori a 100 pezzi; per le prolunghe sono disponibili anche le lunghezze di 0.3 e 0.6 m.
- (12) To verify second head characteristics, see respective product data sheets.
- (13) For M12 series, when pin 5 is connected, the maximum working voltage is 60 V; 3p+G connection available upon request.
- (14) Attention: for M12 series, when pin 5 is connected, the maximum working voltage is 60 V; 3p+G connection available upon request.

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