

## U04 - U05 - U06 - U1 - U2 - U3 COILS AND CONNECTORS

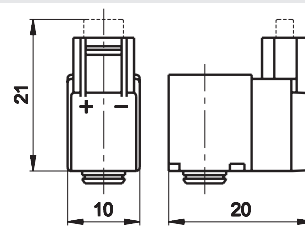
| Coupling table<br>- Coils /electropilots<br>- Electropilots/solenoid valves |              |                                  | Electropilots                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------|--------------|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                                                                             |              |                                  | A (U05)                                                                           | B (U04)                                                                           | AA(U1)                                                                            | AA(U3)                                                                            |                                                                                   | AB (U2)                                                                           |                                                                                    |
|                                                                             |              |                                  |  |  |  |  |  |  |  |
| Coils                                                                       | U04          | 10 mm                            |                                                                                   | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | U05          | 15 mm                            | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | U1           | 22 mm                            |                                                                                   |                                                                                   | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | U2           | 30 mm                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                  |
|                                                                             | U3           | 30 mm                            |                                                                                   |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                    |
| Solenoid valves                                                             | BE           | ISO 1<br>ISO 2<br>ISO 3<br>ISO 4 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ■                                                                                 | R                                                                                  |
|                                                                             | AE           | ISO 1<br>ISO 2                   |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | BD           | ISO 01 26 mm<br>ISO 02 18 mm     | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | AC-N         | interface<br>NAMUR               |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | CL<br>CM     | G1/8<br>G1/4                     |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | COMPA<br>2/4 |                                  | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | G6<br>GL6    | G1/8<br>sub-base                 | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | G7           | G1/8                             |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|                                                                             | AC           | G1/8 - G1/4                      |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|                                                                             |              | G1/2                             |                                                                                   |                                                                                   | R                                                                                 | R                                                                                 |                                                                                   | ■                                                                                 |                                                                                    |
|                                                                             | AF           | G1/8                             |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   | ■                                                                                 |                                                                                    |
|                                                                             |              | G1/4 - G3/8                      |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   | ■                                                                                 |                                                                                    |
|                                                                             |              | G1/2 ÷ G1                        |                                                                                   |                                                                                   | R                                                                                 | R                                                                                 |                                                                                   | ■                                                                                 |                                                                                    |
|                                                                             |              | G1 1/2                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ■                                                                                  |
|                                                                             | AG           | G1/8                             |                                                                                   |                                                                                   | ■                                                                                 | ■                                                                                 |                                                                                   |                                                                                   |                                                                                    |
|                                                                             |              | G1/4 ÷ G1                        |                                                                                   |                                                                                   | R                                                                                 | R                                                                                 |                                                                                   | ■                                                                                 |                                                                                    |
|                                                                             |              | G1 1/2                           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ■                                                                                  |

CE  II 3GD c nA II T5 - 10°C ≤ Ta ≤ 45°C



■ = Standard      R = Upon request

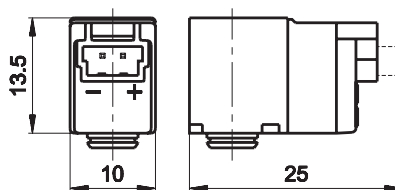
## U04 coil with integrated 90° upward connector for electropilot series B



| Code   | Connector                       | Duty cycle ED (a) |      | Power consumption W |  | Tension tolerance | Rated voltage | Weight Kg |
|--------|---------------------------------|-------------------|------|---------------------|--|-------------------|---------------|-----------|
|        |                                 | %                 | Hold | Inrush              |  | %                 |               |           |
| DE-352 | D-500<br>D-530-...<br>D-535-... | 100               | 1,2  | 1,2                 |  | ±10               | 24 V DC       | 0,013     |
| DE-355 |                                 | 100               | 0,5  | 0,5                 |  | ±10               | 24 V DC       | 0,013     |
| DE-452 |                                 | 100               | 1,35 | 1,35                |  | ±10               | 24 V DC       | 0,013     |

Su richiesta 12 VDC

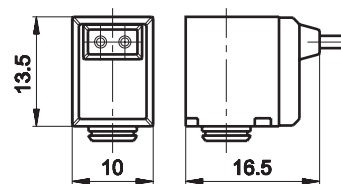
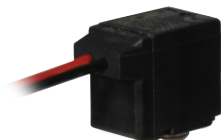
## U04 coil with in-line connector for electropilot series B



| Code   | Connector                       | Duty cycle ED (a) |      | Power consumption W |  | Tension tolerance | Rated voltage | Weight Kg |
|--------|---------------------------------|-------------------|------|---------------------|--|-------------------|---------------|-----------|
|        |                                 | %                 | Hold | Inrush              |  | %                 |               |           |
| DE-552 | D-500<br>D-530-...<br>D-535-... | 100               | 1,2  | 1,2                 |  | ±10               | 24 V DC       | 0,013     |
| DE-555 |                                 | 100               | 0,5  | 0,5                 |  | ±10               | 24 V DC       | 0,013     |
| DE-652 |                                 | 100               | 1,35 | 1,35                |  | ±10               | 24 V DC       | 0,013     |

Su richiesta 12 VDC

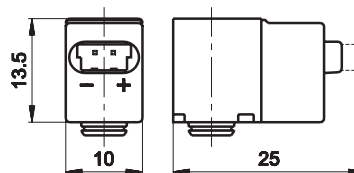
## U04 coil with loose cables (length 300 mm) for electropilot series B



| Code (b)   | Duty cycle ED (a) |      | Power consumption W |  | Tension tolerance | Rated voltage | Weight Kg |
|------------|-------------------|------|---------------------|--|-------------------|---------------|-----------|
|            | %                 | Hold | Inrush              |  | %                 |               |           |
| DE-052L030 | 100               | 1,2  | 1,2                 |  | ±10               | 24 V DC       | 0,013     |

Su richiesta 12 VDC

## U04 coil with in-line connector with protecting cover for complete tightness for electropilot series B

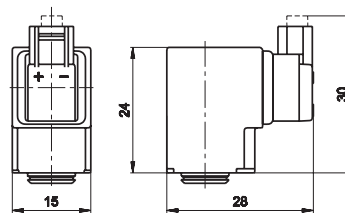


| Code    | Connector                       | Duty cycle ED (a) |      | Power consumption W |  | Tension tolerance | Rated voltage | Weight Kg |
|---------|---------------------------------|-------------------|------|---------------------|--|-------------------|---------------|-----------|
|         |                                 | %                 | Hold | Inrush              |  | %                 |               |           |
| DE-642I | D-500<br>D-530-...<br>D-535-... | 100               | 1,35 | 1,35                |  | ±10               | 12 V DC       | 0,013     |
| DE-652I |                                 | 100               | 1,35 | 1,35                |  | ±10               | 24 V DC       | 0,013     |
| DE-655I |                                 | 100               | 0,5  | 0,5                 |  | ±10               | 24 V DC       | 0,013     |

(a) = under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

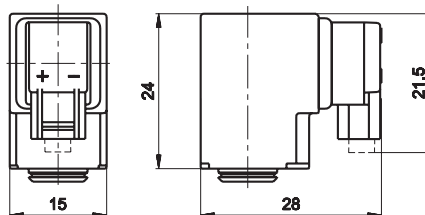
(b) = different wire lengths are available upon request

## U05 coil with integrated 90° upward connector for electropilot series A



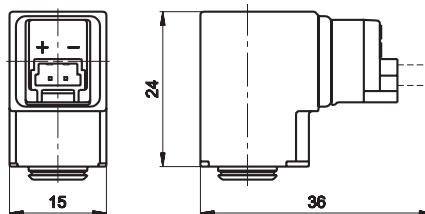
| Code   | Connector                       | Duty cycle ED (a)<br>% | Power consumption W |        | Tension tolerance<br>% | Rated voltage | Weight<br>Kg |
|--------|---------------------------------|------------------------|---------------------|--------|------------------------|---------------|--------------|
|        |                                 |                        | Hold                | Inrush |                        |               |              |
| DD-351 | D-500<br>D-530-...<br>D-535-... | 100                    | 2                   | 2      | ±10                    | 24 V DC       | 0,019        |

## U05 coil with integrated 90° downward connector for electropilot series A



| Code   | Connector                       | Duty cycle ED (a)<br>% | Power consumption W |        | Tension tolerance<br>% | Rated voltage | Weight<br>Kg |
|--------|---------------------------------|------------------------|---------------------|--------|------------------------|---------------|--------------|
|        |                                 |                        | Hold                | Inrush |                        |               |              |
| DD-151 | D-500<br>D-530-...<br>D-535-... | 100                    | 2                   | 2      | ±10                    | 24 V DC       | 0,019        |

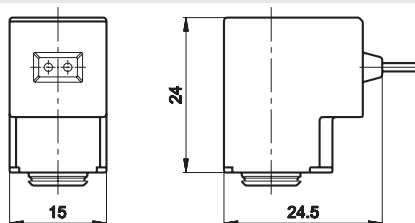
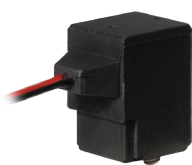
## U05 coil with in-line connector for electropilot series A



| Code   | Connector                       | Duty cycle ED (a)<br>% | Power consumption W |        | Tension tolerance<br>% | Rated voltage | Weight<br>Kg |
|--------|---------------------------------|------------------------|---------------------|--------|------------------------|---------------|--------------|
|        |                                 |                        | Hold                | Inrush |                        |               |              |
| DD-551 | D-500<br>D-530-...<br>D-535-... | 100                    | 2                   | 2      | ±10                    | 24 V DC       | 0,019        |

Upon request: version with LED and V DC version

## U05 coil with loose cables (length 300 mm) for electropilot series A

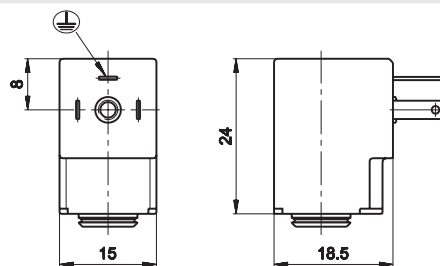


| Code (b)   | Duty cycle ED (a)<br>% | Power consumption W |        | Tension tolerance<br>% | Rated voltage | Weight<br>Kg |
|------------|------------------------|---------------------|--------|------------------------|---------------|--------------|
|            |                        | Hold                | Inrush |                        |               |              |
| DD-051L030 | 100                    | 2                   | 2      | ±10                    | 24 V DC       | 0,019        |
| DD-052L030 | 100                    | 2,5                 | 2,5    | ±10                    | 24 V DC       | 0,019        |

(a) = under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

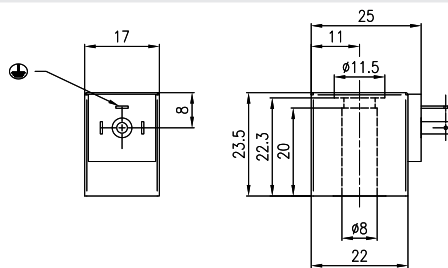
(b) = different wire lengths are available upon request

## U05 15 mm coil - Faston for electropilot series A



| Code   | Connector | Duty cycle<br>ED(a) % | Power consumption W |     |       |     | Tolerance tension % |     | Rated voltage |     | Frequency<br>HZ | Weight<br>Kg |
|--------|-----------|-----------------------|---------------------|-----|-------|-----|---------------------|-----|---------------|-----|-----------------|--------------|
|        |           |                       | DC W                |     | AC VA |     | DC                  | AC  | DC            | AC  |                 |              |
| DD-013 | AM-5109   | 100                   | -                   | -   | 3,5   | -   | -                   | ±10 | -             | 230 | 50/60           | 0,019        |
| DD-040 |           | 100                   | -                   | -   | 2,3   | 3,2 | -                   | ±10 | -             | 24  | 50/60           | 0,019        |
| DD-041 |           | 100                   | 2                   | 2   | -     | -   | ±10                 | -   | 12            | -   | -               | 0,019        |
| DD-042 |           | 100                   | 2,5                 | 2,5 | -     | -   | ±10                 | -   | 12            | -   | -               | 0,019        |
| DD-050 |           | 100                   | -                   | -   | 2,3   | 3,2 | ±10                 | -   | -             | 48  | 50/60           | 0,019        |
| DD-051 |           | 100                   | 2                   | 2   | -     | -   | ±10                 | -   | 24            | -   | -               | 0,019        |
| DD-052 |           | 100                   | 2,5                 | 2,5 | -     | -   | ±10                 | -   | 24            | -   | -               | 0,019        |
| DD-060 |           | 100                   | -                   | -   | -     | -   | -                   | ±10 | -             | 110 | 50/60           | 0,019        |
| DD-070 |           | 100                   | -                   | -   | 2,3   | 3,2 | -                   | -   | -             | 230 | 50/60           | 0,019        |

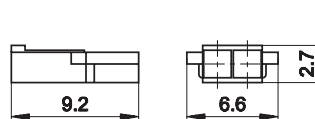
## U06 15 mm coil for electropilot series A



| Code    | Durata ED(a) % | Power consumption W |            | Tolerance tension % | Rated voltage          | Weight<br>Kg |
|---------|----------------|---------------------|------------|---------------------|------------------------|--------------|
|         |                | Hold                | Inrush     |                     |                        |              |
| DL-0050 | 100            | 2,5                 | 2,5        | ±10                 | 12 V DC                | 0,08         |
| DL-0051 | 100            | 2,5                 | 2,5        | ±10                 | 24 V DC                | 0,08         |
| DL-0106 | 100            | 3,3 VA (Max)        | 5 VA (Max) | ±10                 | 24 V AC 50/60 Hz 5 VA  | 0,08         |
| DL-0108 | 100            | 3,3 VA (Max)        | 5 VA (Max) | ±10                 | 110 V AC 50/60 Hz 5 VA | 0,08         |
| DL-0124 | 100            | 3,3 VA (Max)        | 5 VA (Max) | ±10                 | 230 V AC 50/60 Hz 5 VA | 0,08         |

## Connectors for coils: U04, U05, U06

### Miniature connector without wires



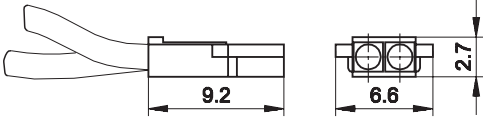
| Code  | Length (mm) | Coil           |
|-------|-------------|----------------|
| D-500 | -           | Series U04/U05 |

**CAUTION!** Do not invert the polarity when connecting the coil with LED.

Upon request version with LED

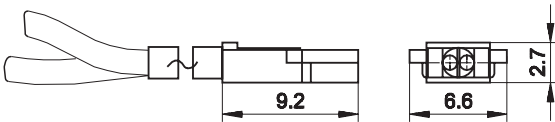
Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

Miniature connector with loose cables



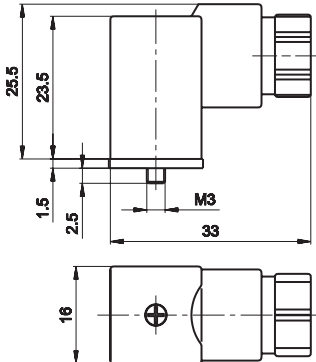
| Code      | Length (mm) | Coil           |
|-----------|-------------|----------------|
| D-530-30  | 300         | Series U04/U05 |
| D-530-50  | 500         | Series U04/U05 |
| D-530-200 | 2000        | Series U04/U05 |

Miniature connector with cable



| Code      | Length (mm) | Coil           |
|-----------|-------------|----------------|
| D-535-30  | 300         | Series U04/U05 |
| D-535-50  | 500         | Series U04/U05 |
| D-535-200 | 2000        | Series U04/U05 |

15 mm connector



| Code    | Lunghezza (mm) | Bobina         |
|---------|----------------|----------------|
| AM-5109 | -              | Series U04/U05 |

Protection according to IP65. PG9 cable connection. 180° rotation on the coil.

**CAUTION!** Do not invert the polarity when connecting the coil with LED.  
Upon request version with LED  
Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

## Coil

CSA/UL

Possibility of replacement without intervention in the pneumatic circuit

Other voltages available upon request

360° rotation on the pilot. Coil winding: H class

Ambient temperature: -10 ÷ +45 °C. Fluid temperature: -10 ÷ +95 °C.

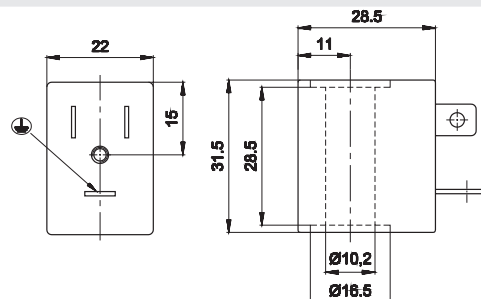
The solenoid valves functioning with 100V-230V must be incorporated (EN60204-1)

Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated.

Protection class IP65, if used with connector.

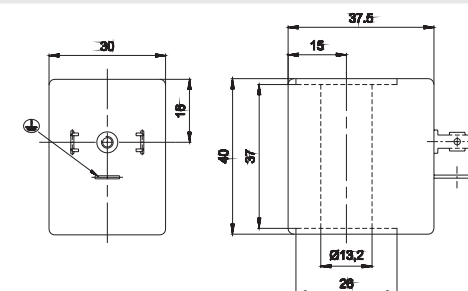


### U1 22 mm coil to be used with electropilot series AA



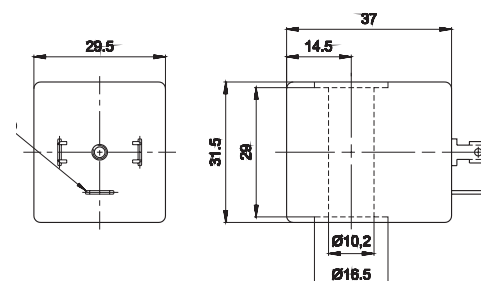
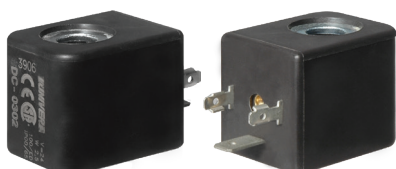
| Code    | Duty cycle ED (a) % | Power consumption W |              | Tolerance tension % | Rated voltage     | Weight Kg |
|---------|---------------------|---------------------|--------------|---------------------|-------------------|-----------|
|         |                     | Hold                | Inrush       |                     |                   |           |
| DA-0050 | 100                 | 3,5                 | 3,5          | ±10                 | 12 V DC           | 0,06      |
| DA-0051 | 100                 | 3,5                 | 3,5          | ±10                 | 24 V DC           | 0,06      |
| DA-0106 | 100                 | 5,4 VA (Max)        | 7,8 VA (Max) | ±10                 | 24 V AC/50-60 HZ  | 0,06      |
| DA-0108 | 100                 | 5,4 VA (Max)        | 7,8 VA (Max) | ±10                 | 110 V AC/50-60 HZ | 0,06      |
| DA-0124 | 100                 | 5,4 VA (Max)        | 7,8 VA (Max) | ±10                 | 230 V AC/50-60 HZ | 0,06      |

### U2 30 mm coil to be used with electropilot series AB



| Code    | Duty cycle ED (a) % | Power consumption W |             | Tolerance tension % | Rated voltage     | Weight Kg |
|---------|---------------------|---------------------|-------------|---------------------|-------------------|-----------|
|         |                     | Hold                | Inrush      |                     |                   |           |
| DB-0501 | 100                 | 11                  | 11          | ±10                 | 12 V DC           | 0,10      |
| DB-0502 | 100                 | 11                  | 11          | ±10                 | 24 V DC           | 0,10      |
| DB-0507 | 100                 | 10 VA (Max)         | 16 VA (Max) | ±10                 | 24 V AC/50-60 HZ  | 0,10      |
| DB-0509 | 100                 | 10 VA (Max)         | 16 VA (Max) | ±10                 | 110 V AC/50-60 HZ | 0,10      |
| DB-0510 | 100                 | 10 VA (Max)         | 16 VA (Max) | ±10                 | 230 V AC/50-60 HZ | 0,10      |

### Coil U3 - lato 30 mm to be used with electropilot series AA

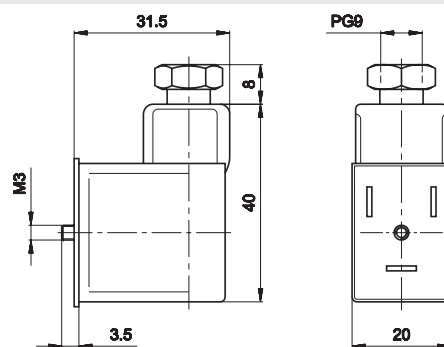


| Code    | Duty cycle ED (a) % | Power consumption W |            | Tolerance tension % | Rated voltage     | Weight Kg |
|---------|---------------------|---------------------|------------|---------------------|-------------------|-----------|
|         |                     | Hold                | Inrush     |                     |                   |           |
| DC-0301 | 100                 | 2,5                 | 2,5        | ±10                 | 12 V DC           | 0,08      |
| DC-0302 | 100                 | 2,5                 | 2,5        | ±10                 | 24 V DC           | 0,08      |
| DC-0307 | 100                 | 3,3 VA (Max)        | 5 VA (Max) | ±10                 | 24 V AC/50-60 HZ  | 0,08      |
| DC-0309 | 100                 | 3,3 VA (Max)        | 5 VA (Max) | ±10                 | 110 V AC/50-60 HZ | 0,08      |
| DC-0310 | 100                 | 3,3 VA (Max)        | 5 VA (Max) | ±10                 | 230 V AC/50-60 HZ | 0,08      |

(a) = 110V - 230V solenoid valves must be built-in (EN-60204-1)

Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

## Connector for U1 coil

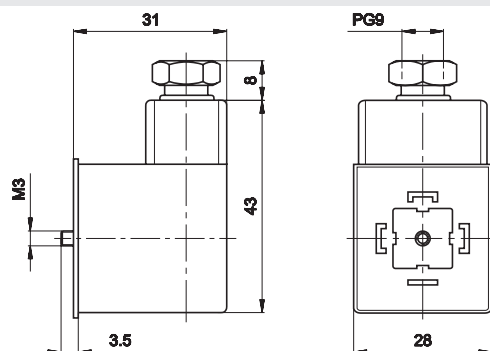


Coil series U1

**AM-5110** Protection according to IP 65. PG9 cable connection. 180° rotation on the coil.

LED available upon request.

## Connector DIN 43650 for coil series U2,U3



Coil series U2 - U3

**AM-5111** Protection according to IP 65. PG9 cable connection. 360° rotation on the coil.

LED available upon request.