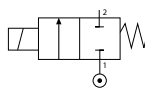




**2/2 NC**



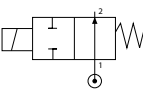
**1/8" - 1/4"**

Page 1.2

**Ex**



**2/2 NO**



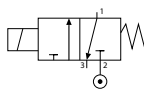
**1/8" - 1/4"**

Page 1.4

**Ex**



**3/2 NC**



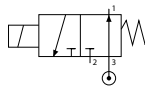
**1/8" - 1/4"**

Page 1.6

**Ex**



**3/2 NO**



**1/8" - 1/4"**

Page 1.8

**Ex**



**22 mm**

**Series A**

Page 17.2

**UL US**  
**CSA C22.2**



**30 mm**

**Series B**

Page 17.3

**UL US**  
**CSA C22.2**



**Connectors**

Page 17.8 - 17.9

**UL US**  
**CSA C22.2**

## DIRECT ACTING SOLENOID VALVES WITH BRASS BODY



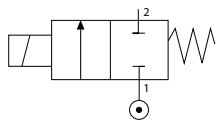
**Series 01F**

## Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NC

1/8" - 1/4"



### Component Parts and Materials

- 1 Body: Brass CW617N
- 2 Seals: NBR - EPDM - FKM
- 3 Armature tube: Stainless steel
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



### General features - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



### Maximum allowable pressure

580 psi (40 bar)



### Compatibility and materials table

Page 0.13 - 0.14



### Room temperature with coil class H

+14°F      +176°F  
-10°C      +80°C



### Applications

- Water, Neutral liquids, Oils
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



### Ordering codes

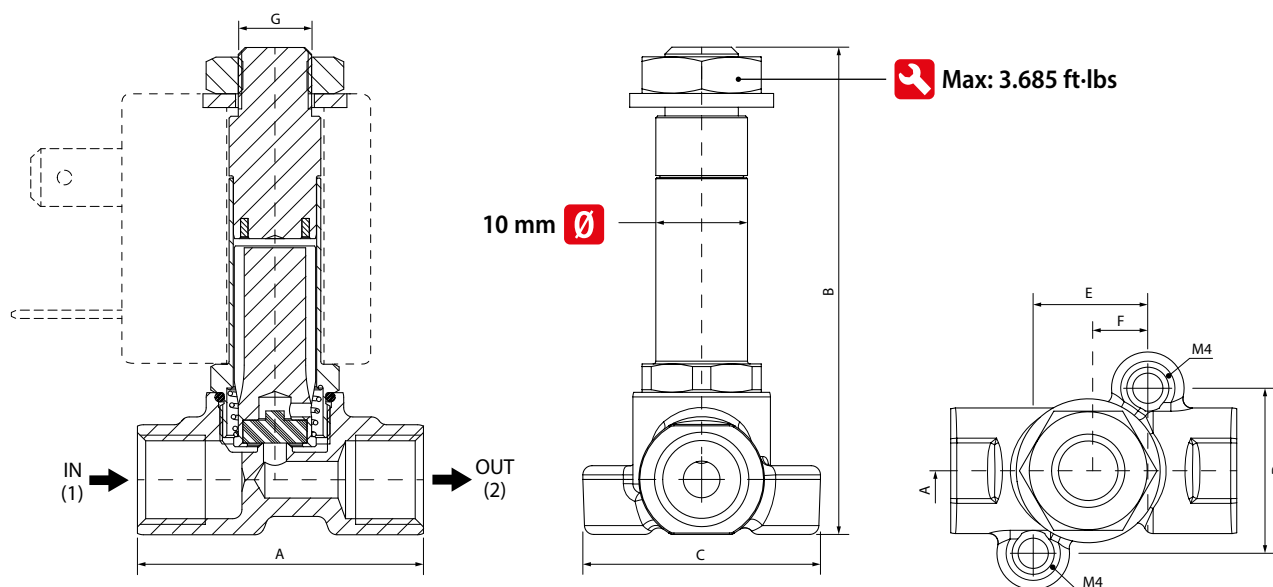
| Series       | Port size  | Functions  | Orifice<br>inch (mm) | Sealing materials | Version      | Thread   | Suitable coils                                                                                  |             |
|--------------|------------|------------|----------------------|-------------------|--------------|----------|-------------------------------------------------------------------------------------------------|-------------|
| <b>0 1 F</b> | <b>0 2</b> | <b>1</b>   | <b>1 5</b>           | <b>N</b>          | <b>0</b>     | <b>N</b> | <b>A</b>                                                                                        | <b>A</b>    |
|              | 02 = 1/8"  | 1 = 2/2 NC | 15 = 1/16 (1.5)      | N = NBR           | 0 = Standard | N = NPTF | A = A series - SOL10                                                                            | A = 12V DC  |
|              | 03 = 1/4"  |            | 02 = 5/64 (2)        | E = EPDM          |              |          | B = B series - SOL11                                                                            | B = 24V DC  |
|              |            |            | 25 = 3/32 (2.5)      | V = FKM           |              |          |                                                                                                 | 1 = 24V AC  |
|              |            |            | 03 = 1/8 (3)         |                   |              |          |                                                                                                 | 2 = 110V AC |
|              |            |            | 04 = 5/32 (4)        |                   |              |          |                                                                                                 | 3 = 220V AC |
|              |            |            |                      |                   |              |          | Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled. |             |

| Code             | Sealing materials                         | Port size | Ø Orifice     | Viscosity | Cv<br>(Kv)     | Differential pressure (OPD) |                      |                      | Power   |          | Coils      |           |
|------------------|-------------------------------------------|-----------|---------------|-----------|----------------|-----------------------------|----------------------|----------------------|---------|----------|------------|-----------|
|                  |                                           |           |               |           |                | psi (bar)                   |                      |                      | DC<br>W | AC<br>VA | Size<br>mm | Series    |
|                  |                                           |           |               |           |                | Min                         | Max DC               | Max AC               |         |          |            |           |
| ①                | ①                                         | NPTF      | inch<br>(mm)  | cSt       | gpm<br>(m³/h)  |                             |                      |                      |         |          |            |           |
| 01F 02 1 15 _0 N | N = NBR<br>+14°F +194°F<br>(-10°C +90°C)  | 1/8"      | 1/16<br>(1.5) | 25        | 0.07<br>(0.06) | 0                           | 232 (16)<br>580 (40) | 435 (30)<br>580 (40) | 6.5     | 7.5      | 22         | A - SOL10 |
| 01F 02 1 02 _0 N |                                           |           | 5/64<br>(2)   | 37        | 0.10<br>(0.09) | 0                           | 174 (12)<br>435 (30) | 363 (25)<br>580 (40) | 8       | 11       | 30         | B - SOL11 |
| 01F 02 1 25 _0 N |                                           |           | 3/32<br>(2.5) | 53        | 0.17<br>(0.15) | 0                           | 65 (4.5)<br>189 (13) | 261 (18)<br>435 (30) | 6.5     | 7.5      | 22         | A - SOL10 |
| 01F 02 1 03 _0 N |                                           |           | 1/8<br>(3)    | 53        | 0.23<br>(0.20) | 0                           | 44 (3)<br>102 (7)    | 145 (10)<br>232 (16) | 6.5     | 7.5      | 22         | A - SOL10 |
| 01F 02 1 04 _0 N |                                           |           | 5/32<br>(4)   | 53        | 0.35<br>(0.30) | 0                           | 15 (1)<br>36 (2.5)   | 58 (4)<br>116 (8)    | 8       | 11       | 30         | B - SOL11 |
| 01F 03 1 15 _0 N | V = FKM<br>+14°F +284°F<br>(-10°C +140°C) | 1/4"      | 1/16<br>(1.5) | 25        | 0.07<br>(0.06) | 0                           | 232 (16)<br>580 (40) | 435 (30)<br>580 (40) | 6.5     | 7.5      | 22         | A - SOL10 |
| 01F 03 1 02 _0 N |                                           |           | 5/64<br>(2)   | 37        | 0.10<br>(0.09) | 0                           | 174 (12)<br>435 (30) | 363 (25)<br>580 (40) | 8       | 11       | 30         | B - SOL11 |
| 01F 03 1 25 _0 N |                                           |           | 3/32<br>(2.5) | 53        | 0.17<br>(0.15) | 0                           | 65 (4.5)<br>189 (13) | 261 (18)<br>435 (30) | 6.5     | 7.5      | 22         | A - SOL10 |
| 01F 03 1 03 _0 N |                                           |           | 1/8<br>(3)    | 53        | 0.23<br>(0.20) | 0                           | 44 (3)<br>102 (7)    | 145 (10)<br>232 (16) | 6.5     | 7.5      | 22         | A - SOL10 |
| 01F 03 1 04 _0 N |                                           |           | 5/32<br>(4)   | 53        | 0.35<br>(0.30) | 0                           | 15 (1)<br>36 (2.5)   | 58 (4)<br>116 (8)    | 8       | 11       | 30         | B - SOL11 |

① Select seal material

With steam: EPDM - P max = 36 psi (2.5 bar)

Coil not included



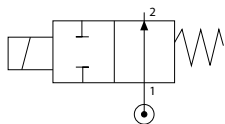
| Size | A<br>inch (mm) | B<br>inch (mm) | C<br>inch (mm) | D<br>inch (mm) | E<br>inch (mm) | F<br>inch (mm) | G         |
|------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|
| 1/8" | 1.228 (31.2)   | 2.090 (53.1)   | 1.019 (25.9)   | 0.708 (18)     | 0.492 (12.5)   | 0.255 (6.5)    | M8 x 0.75 |
| 1/4" | 1.456 (37)     | 2.208 (56.1)   | 1.141 (29)     | 0.826 (21)     | 0.472 (12)     | 0.236 (6)      | M8 x 0.75 |

## Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NO

1/8" - 1/4"



### Component Parts and Materials

- 1 Body: Brass CW617N
- 2 Seals: NBR - EPDM - FKM
- 3 Armature tube: Brass
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



### General features - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



### Maximum allowable pressure

580 psi (40 bar)



### Compatibility and materials table

Page 0.13 - 0.14



### Room temperature with coil class H

+14°F +176°F  
-10°C +80°C



### Applications

- Water, Neutral liquids, Oils
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



### Stainless Steel armature tube on request



### Ordering codes

| Series       | Port size  | Functions  | Orifice<br>inch (mm) | Sealing materials | Version      | Thread   | Suitable coils       |             |
|--------------|------------|------------|----------------------|-------------------|--------------|----------|----------------------|-------------|
| <b>0 1 F</b> | <b>0 2</b> | <b>2</b>   | <b>1 5</b>           | <b>N</b>          | <b>0</b>     | <b>N</b> | <b>A</b>             | <b>A</b>    |
|              | 02 = 1/8"  | 2 = 2/2 NO | 15 = 1/16 (1.5)      | N = NBR           | 0 = Standard | N = NPTF | A = A series - SOL10 | A = 12V DC  |
|              | 03 = 1/4"  |            | 02 = 5/64 (2)        | E = EPDM          |              |          | B = B series - SOL11 | B = 24V DC  |
|              |            |            | 25 = 3/32 (2.5)      | V = FKM           |              |          |                      | 1 = 24V AC  |
|              |            |            | 03 = 1/8 (3)         |                   |              |          |                      | 2 = 110V AC |
|              |            |            |                      |                   |              |          |                      | 3 = 220V AC |

Valves and coils are supplied separately.  
Upon commercial agreements can be supplied assembled.

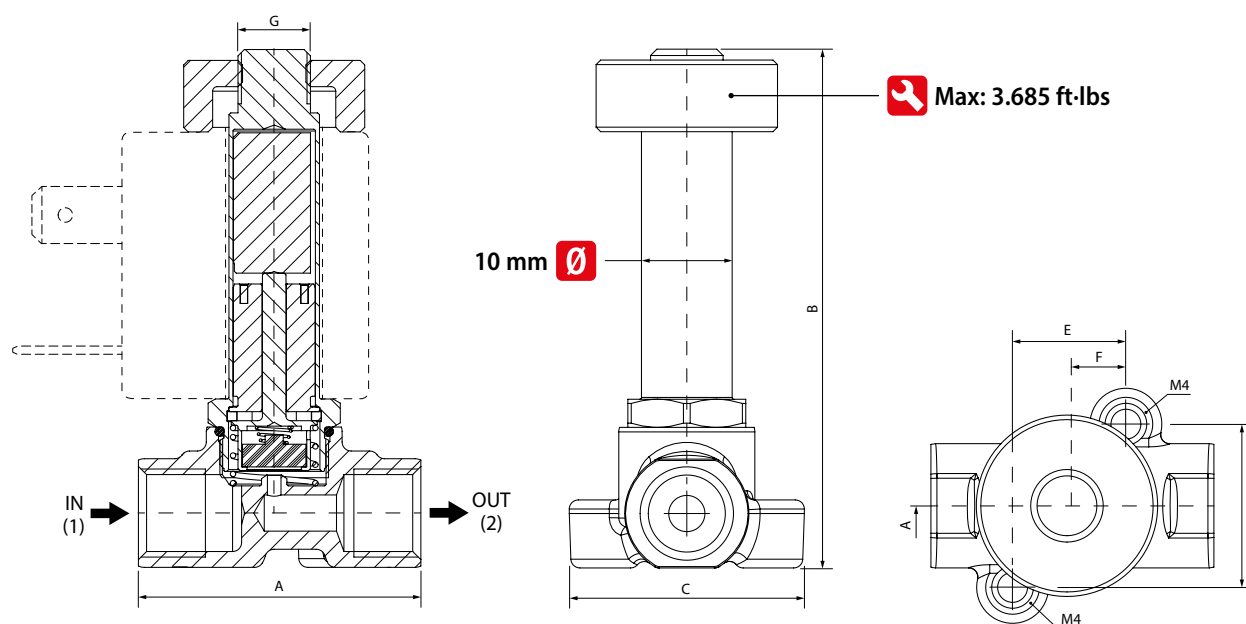
| Code             | Sealing materials                         | Port size | Ø Orifice  | Viscosity | Cv (Kv)     | Differential pressure (OPD) |               |          |
|------------------|-------------------------------------------|-----------|------------|-----------|-------------|-----------------------------|---------------|----------|
|                  |                                           |           |            |           |             | psi (bar)                   |               |          |
|                  |                                           |           |            |           |             | Min                         | Max DC        | Max AC   |
| ①                | ①                                         | NPTF      | inch (mm)  | cSt       | gpm (m³/h)  |                             |               |          |
| 01F 02 2 15 _0 N | N = NBR<br>+14°F +194°F<br>(-10°C +90°C)  | 1/8"      | 1/16 (1.5) | 25        | 0.07 (0.06) | 0                           | -<br>261 (18) | 261 (18) |
| 01F 02 2 02 _0 N |                                           |           | 5/64 (2)   | 37        | 0.10 (0.09) | 0                           | -<br>145 (10) | 145 (10) |
| 01F 02 2 25 _0 N |                                           |           | 3/32 (2.5) | 53        | 0.17 (0.15) | 0                           | -<br>94 (6.5) | 94 (6.5) |
| 01F 02 2 03 _0 N |                                           |           | 1/8 (3)    | 53        | 0.23 (0.20) | 0                           | -<br>61 (4.2) | 61 (4.2) |
| 01F 03 2 15 _0 N | V = FKM<br>+14°F +284°F<br>(-10°C +140°C) | 1/4"      | 1/16 (1.5) | 25        | 0.07 (0.06) | 0                           | -<br>261 (18) | 261 (18) |
| 01F 03 2 02 _0 N |                                           |           | 5/64 (2)   | 37        | 0.10 (0.09) | 0                           | -<br>145 (10) | 145 (10) |
| 01F 03 2 25 _0 N |                                           |           | 3/32 (2.5) | 53        | 0.17 (0.15) | 0                           | -<br>94 (6.5) | 94 (6.5) |
| 01F 03 2 03 _0 N |                                           |           | 1/8 (3)    | 53        | 0.23 (0.20) | 0                           | -<br>61 (4.2) | 61 (4.2) |

| Power |     | Coils |                                |
|-------|-----|-------|--------------------------------|
| DC    | AC  | Size  | Series                         |
| W     | VA  | mm    | A - Page 17.2<br>B - Page 17.3 |
| -     | 7.5 | 22    | A - SOL10                      |
| 8     | 11  | 30    | B - SOL11                      |
| -     | 7.5 | 22    | A - SOL10                      |
| 8     | 11  | 30    | B - SOL11                      |
| -     | 7.5 | 22    | A - SOL10                      |
| 8     | 11  | 30    | B - SOL11                      |
| -     | 7.5 | 22    | A - SOL10                      |
| 8     | 11  | 30    | B - SOL11                      |
| -     | 7.5 | 22    | A - SOL10                      |
| 8     | 11  | 30    | B - SOL11                      |
| -     | 7.5 | 22    | A - SOL10                      |
| 8     | 11  | 30    | B - SOL11                      |

① Select seal material

With steam: EPDM - P max = 36 psi (2.5 bar)

Coil not included



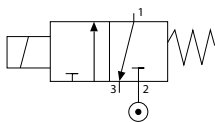
| Size | A            | B            | C            | D          | E            | F           | G      |
|------|--------------|--------------|--------------|------------|--------------|-------------|--------|
|      | inch (mm)    | inch (mm)    | inch (mm)    | inch (mm)  | inch (mm)    | inch (mm)   |        |
| 1/8" | 1.228 (31.2) | 2.251 (57.2) | 1.019 (25.9) | 0.708 (18) | 0.492 (12.5) | 0.255 (6.5) | M8 x 1 |
| 1/4" | 1.456 (37)   | 2.370 (60.2) | 1.141 (29)   | 0.826 (21) | 0.472 (12)   | 0.236 (6)   | M8 x 1 |

## Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NC

1/8" - 1/4"



### Component Parts and Materials

- 1 Body: Brass CW617N
- 2 Seals: NBR - EPDM - FKM
- 3 Armature tube: Stainless steel
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



### General features - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



### Maximum allowable pressure

580 psi (40 bar)



### Compatibility and materials table

Page 0.13 - 0.14



### Room temperature with coil class H

+14°F      +176°F  
-10°C      +80°C



### Applications

- Water, Neutral liquids, Oils
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



### Ordering codes

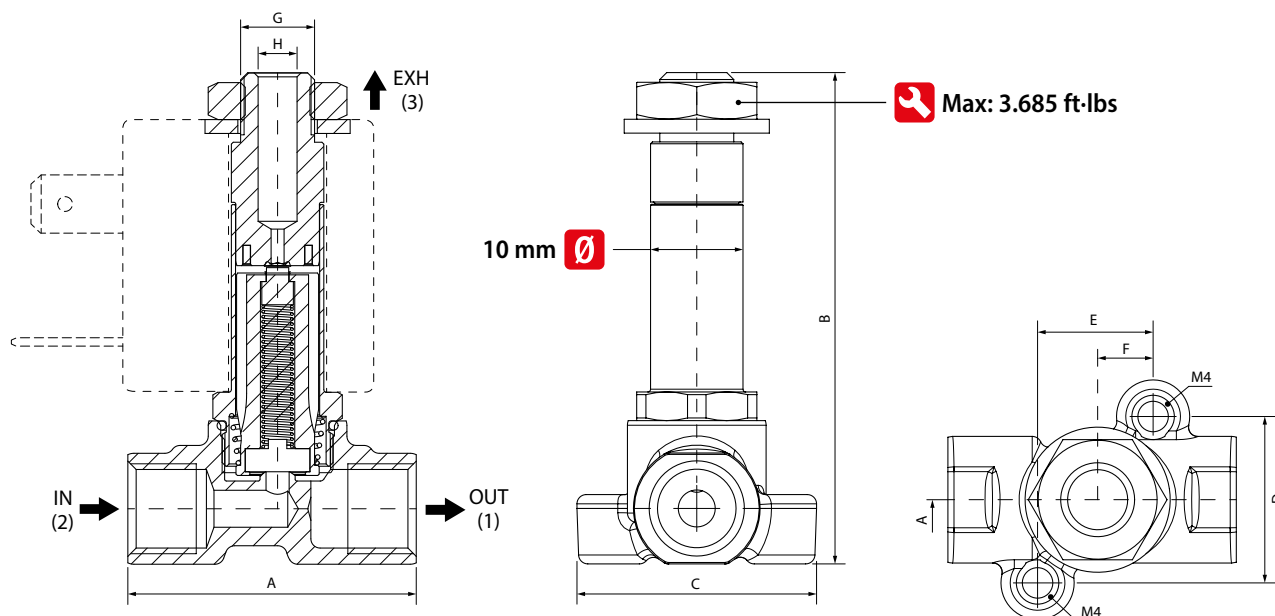
| Series       | Port size  | Functions  | Orifice<br>inch (mm) | Sealing materials | Version      | Thread   | Suitable coils                                                                                  |             |
|--------------|------------|------------|----------------------|-------------------|--------------|----------|-------------------------------------------------------------------------------------------------|-------------|
| <b>0 1 F</b> | <b>0 2</b> | <b>3</b>   | <b>1 5</b>           | <b>N</b>          | <b>0</b>     | <b>N</b> | <b>A</b>                                                                                        | <b>A</b>    |
|              | 02 = 1/8"  | 3 = 3/2 NC | 15 = 1/16 (1.5)      | N = NBR           | 0 = Standard | N = NPTF | A = A series - SOL10                                                                            | A = 12V DC  |
|              | 03 = 1/4"  |            | 02 = 5/64 (2)        | E = EPDM          |              |          | B = B series - SOL11                                                                            | B = 24V DC  |
|              |            |            | 25 = 3/32 (2.5)      | V = FKM           |              |          |                                                                                                 | 1 = 24V AC  |
|              |            |            | 03 = 1/8 (3)         |                   |              |          |                                                                                                 | 2 = 110V AC |
|              |            |            | 04 = 5/32 (4)        |                   |              |          |                                                                                                 | 3 = 220V AC |
|              |            |            |                      |                   |              |          | Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled. |             |

| Code              | Sealing materials                                                                                                                                                | Port size | Ø Orifice     |               | Viscosity | Cv (Kv)        |                | Differential pressure (OPD) |                          |                          | Power |     | Coils |                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|---------------|-----------|----------------|----------------|-----------------------------|--------------------------|--------------------------|-------|-----|-------|--------------------------------|
| ①                 | ①                                                                                                                                                                | NPTF      | inch (mm)     |               | cSt       | gpm (m³/h)     |                | psi (bar)                   |                          |                          | DC    | AC  | Size  | Series                         |
|                   |                                                                                                                                                                  |           | IN            | EXH           |           | IN             | EXH            | Min                         | Max DC                   | Max AC                   | W     | VA  | mm    | A - Page 17.2<br>B - Page 17.3 |
| 01F 02 3 15 _ 0 N | <b>N = NBR</b><br>+14°F +194°F<br>(-10°C +90°C)<br><br><b>V = FKM</b><br>+14°F +284°F<br>(-10°C +140°C)<br><br><b>E = EPDM</b><br>+14°F +284°F<br>(-10°C +140°C) | 1/8"      | 1/16<br>(1.5) | 1/16<br>(1.4) | 25        | 0.07<br>(0.06) | 0.06<br>(0.05) | 0                           | 196 (13.5)<br>196 (13.5) | 196 (13.5)<br>196 (13.5) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 02 3 02 _ 0 N |                                                                                                                                                                  |           | 5/64<br>(2)   | 1/16<br>(1.4) | 25        | 0.10<br>(0.09) | 0.06<br>(0.05) | 0                           | 116 (8)<br>116 (8)       | 116 (8)<br>116 (8)       | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 02 3 25 _ 0 N |                                                                                                                                                                  |           | 3/32<br>(2.5) | 1/16<br>(1.4) | 25        | 0.17<br>(0.15) | 0.06<br>(0.05) | 0                           | 73 (5)<br>73 (5)         | 73 (5)<br>73 (5)         | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 02 3 03 _ 0 N |                                                                                                                                                                  |           | 1/8<br>(3)    | 1/16<br>(1.4) | 25        | 0.23<br>(0.20) | 0.06<br>(0.05) | 0                           | -<br>51 (3.5)            | 51 (3.5)<br>51 (3.5)     | -     | 7.5 | 22    | A - SOL10                      |
| 01F 02 3 04 _ 0 N |                                                                                                                                                                  |           | 5/32<br>(4)   | 1/16<br>(1.4) | 25        | 0.35<br>(0.30) | 0.06<br>(0.05) | 0                           | -<br>15 (1)              | 15 (1)<br>15 (1)         | -     | 7.5 | 22    | A - SOL10                      |
| 01F 03 3 15 _ 0 N |                                                                                                                                                                  | 1/4"      | 1/16<br>(1.5) | 1/16<br>(1.4) | 25        | 0.07<br>(0.06) | 0.06<br>(0.05) | 0                           | 196 (13.5)<br>196 (13.5) | 196 (13.5)<br>196 (13.5) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 03 3 02 _ 0 N |                                                                                                                                                                  |           | 5/64<br>(2)   | 1/16<br>(1.4) | 25        | 0.10<br>(0.09) | 0.06<br>(0.05) | 0                           | 116 (8)<br>116 (8)       | 116 (8)<br>116 (8)       | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 03 3 25 _ 0 N |                                                                                                                                                                  |           | 3/32<br>(2.5) | 1/16<br>(1.4) | 25        | 0.17<br>(0.15) | 0.06<br>(0.05) | 0                           | 73 (5)<br>73 (5)         | 73 (5)<br>73 (5)         | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 03 3 03 _ 0 N |                                                                                                                                                                  |           | 1/8<br>(3)    | 1/16<br>(1.4) | 25        | 0.23<br>(0.20) | 0.06<br>(0.05) | 0                           | -<br>51 (3.5)            | 51 (3.5)<br>51 (3.5)     | -     | 7.5 | 22    | A - SOL10                      |
| 01F 03 3 04 _ 0 N |                                                                                                                                                                  |           | 5/32<br>(4)   | 1/16<br>(1.4) | 25        | 0.35<br>(0.30) | 0.06<br>(0.05) | 0                           | -<br>15 (1)              | 15 (1)<br>15 (1)         | -     | 7.5 | 22    | A - SOL10                      |

① Select seal material

With steam: EPDM - P max = 36 psi (2.5 bar)

Coil not included



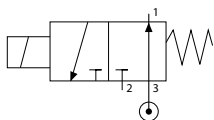
| Size | A            | B            | C            | D          | E            | F         | G         | H  |
|------|--------------|--------------|--------------|------------|--------------|-----------|-----------|----|
|      | inch (mm)    | inch (mm)    | inch (mm)    | inch (mm)  | inch (mm)    | inch (mm) |           |    |
| 1/8" | 1.228 (31.2) | 2.090 (53.1) | 1.019 (25.9) | 0.708 (18) | 0.492 (12.5) | 0.236 (6) | M8 x 0.75 | M5 |
| 1/4" | 1.456 (37)   | 2.208 (56.1) | 1.141 (29)   | 0.826 (21) | 0.472 (12)   | 0.236 (6) | M8 x 0.75 | M5 |

## Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NO

1/8" - 1/4"



### Component Parts and Materials

- 1 Body: Brass CW617N
- 2 Seals: NBR - EPDM - FKM
- 3 Armature tube: Stainless steel
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



### General features - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



### Maximum allowable pressure

580 psi (40 bar)



### Compatibility and materials table

Page 0.13 - 0.14



### Room temperature with coil class H

+14°F      +176°F  
-10°C      +80°C



### Applications

- Water, Neutral liquids, Oils
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



### Ordering codes

| Series       | Port size                            | Functions              | Orifice<br>inch (mm)                                              | Sealing materials                          | Version                  | Thread               | Suitable coils                                           |                                                                                  |
|--------------|--------------------------------------|------------------------|-------------------------------------------------------------------|--------------------------------------------|--------------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>0 1 F</b> | <b>0 2</b><br>02 = 1/8"<br>03 = 1/4" | <b>4</b><br>4 = 3/2 NO | <b>1 5</b><br>15 = 1/16 (1.5)<br>02 = 5/64 (2)<br>25 = 3/32 (2.5) | <b>N</b><br>N = NBR<br>E = EPDM<br>V = FKM | <b>0</b><br>0 = Standard | <b>N</b><br>N = NPTF | <b>A</b><br>A = A series - SOL10<br>B = B series - SOL11 | <b>A</b><br>A = 12V DC<br>B = 24V DC<br>1 = 24V AC<br>2 = 110V AC<br>3 = 220V AC |

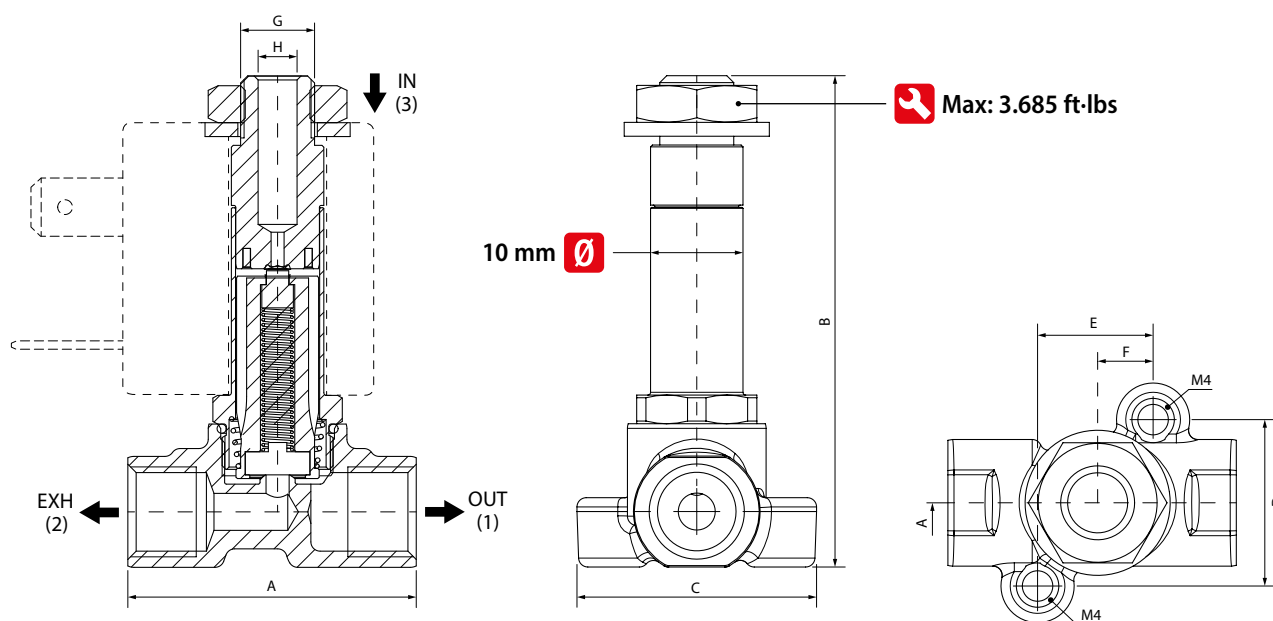
Valves and coils are supplied separately.  
Upon commercial agreements can be supplied assembled.

| Code              | Sealing materials                         | Port size | Ø Orifice     |               | Viscosity | Cv (Kv)        |                | Differential pressure (OPD) |                      |          | Power |     | Coils |                                |
|-------------------|-------------------------------------------|-----------|---------------|---------------|-----------|----------------|----------------|-----------------------------|----------------------|----------|-------|-----|-------|--------------------------------|
| ①                 | ①                                         | NPTF      | inch (mm)     |               | cSt       | gpm (m³/h)     |                | psi (bar)                   |                      |          | DC    | AC  | Size  | Series                         |
|                   |                                           |           | IN            | EXH           |           | IN             | EXH            | Min                         | Max DC               | Max AC   | W     | VA  | mm    | A - Page 17.2<br>B - Page 17.3 |
| 01F 02 4 15 _ 0 N | N = NBR<br>+14°F +194°F<br>(-10°C +90°C)  | 1/8"      | 1/16<br>(1.4) | 1/16<br>(1.5) | 25        | 0.06<br>(0.05) | 0.07<br>(0.06) | 0                           | 145 (10)<br>145 (10) | 145 (10) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 02 4 02 _ 0 N |                                           |           | 1/16<br>(1.4) | 5/64<br>(2)   | 25        | 0.06<br>(0.05) | 0.10<br>(0.09) | 0                           | 145 (10)<br>145 (10) | 145 (10) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 02 4 25 _ 0 N |                                           |           | 1/16<br>(1.4) | 3/32<br>(2.5) | 25        | 0.06<br>(0.05) | 0.17<br>(0.15) | 0                           | 58 (4)<br>145 (10)   | 145 (10) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 03 4 15 _ 0 N | V = FKM<br>+14°F +284°F<br>(-10°C +140°C) | 1/4"      | 1/16<br>(1.4) | 1/16<br>(1.5) | 25        | 0.06<br>(0.05) | 0.07<br>(0.06) | 0                           | 145 (10)<br>145 (10) | 145 (10) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 03 4 02 _ 0 N |                                           |           | 1/16<br>(1.4) | 5/64<br>(2)   | 25        | 0.06<br>(0.05) | 0.10<br>(0.09) | 0                           | 145 (10)<br>145 (10) | 145 (10) | 6.5   | 7.5 | 22    | A - SOL10                      |
| 01F 03 4 25 _ 0 N |                                           |           | 1/16<br>(1.4) | 3/32<br>(2.5) | 25        | 0.06<br>(0.05) | 0.17<br>(0.15) | 0                           | 58 (4)<br>145 (10)   | 145 (10) | 6.5   | 7.5 | 22    | A - SOL10                      |

① Select seal material

With steam: EPDM - P max = 36 psi (2.5 bar)

Coil not included



| Size | A            | B            | C            | D          | E            | F         | G         | H  |
|------|--------------|--------------|--------------|------------|--------------|-----------|-----------|----|
|      | inch (mm)    | inch (mm)    | inch (mm)    | inch (mm)  | inch (mm)    | inch (mm) |           |    |
| 1/8" | 1.228 (31.2) | 2.090 (53.1) | 1.019 (25.9) | 0.708 (18) | 0.492 (12.5) | 0.236 (6) | M8 x 0.75 | M5 |
| 1/4" | 1.456 (37)   | 2.208 (56.1) | 1.141 (29)   | 0.826 (21) | 0.472 (12)   | 0.236 (6) | M8 x 0.75 | M5 |

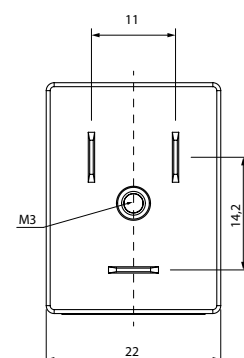
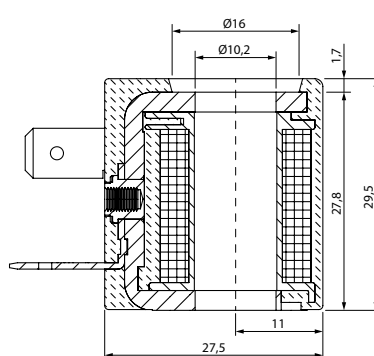
**SERIES A**

**COIL**

**22 mm** 

**10 mm** 

**ED 100%** 



**UL 429 & CSA C22.2 NO. 139-13**

The dimensions are in millimeters (mm)

| Reference | Code          | Voltage            | Power  | Voltage tolerance | Ambient temperature |                   |
|-----------|---------------|--------------------|--------|-------------------|---------------------|-------------------|
|           |               |                    |        |                   | Min                 | Max               |
| <b>AA</b> | SOL10012C4000 | 12V DC             | 6.5 W  | ±10 %             |                     |                   |
| <b>AB</b> | SOL10024C4000 | 24V DC             | 6.5 W  | ±10 %             |                     |                   |
| <b>A1</b> | SOL10024A8000 | 24V AC / 50-60 Hz  | 7.5 VA | ±10 %             | +14°F<br>(-10°C)    | +176°F<br>(+80°C) |
| <b>A2</b> | SOL10110A8000 | 110V AC / 50-60 Hz | 7.5 VA | ±10 %             |                     |                   |
| <b>A3</b> | SOL10220A8000 | 220V AC / 50-60 Hz | 7.5 VA | ±10 %             |                     |                   |

INSULATION  
CLASS

**H**  
**EN 60085**

ENCAPSULATION  
MATERIAL

**RYNITE®**

ELECTRICAL  
CONNECTIONS

**FORM B - INDUSTRIAL**  
EN 175301-803  
(EX D1N 43650)

AMBIENT  
TEMPERATURE

**+14°F +176°F**  
(-10°C +80°C)

PROTECTION  
DEGREE

**IP67**  
**IEC 60529**  
with connector IP67

OPTIONS

Other voltages/powers on request

SERIES B

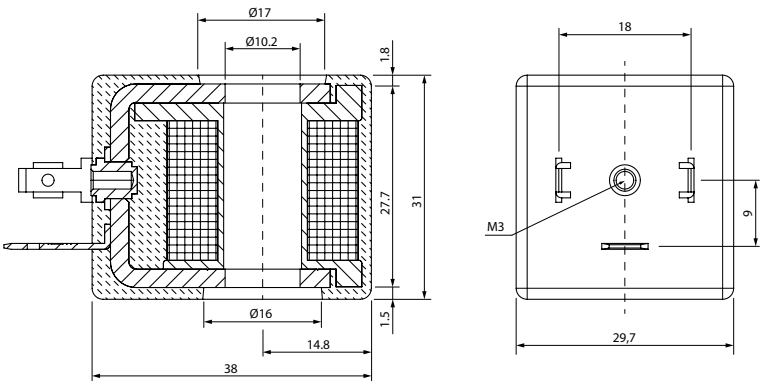
COIL



30 mm

10 mm

ED 100%



The dimensions are in millimeters (mm)



UL 429 & CSA C22.2 NO. 139-13

| Reference | Code          | Voltage            | Power | Voltage tolerance | Ambient temperature |                   |
|-----------|---------------|--------------------|-------|-------------------|---------------------|-------------------|
|           |               |                    |       |                   | Min                 | Max               |
| BA        | SOL11012C5000 | 12V DC             | 8 W   | ±10 %             |                     |                   |
| BB        | SOL11024C5000 | 24V DC             | 8 W   | ±10 %             |                     |                   |
| B1        | SOL11024A9000 | 24V AC / 50-60 Hz  | 11 VA | ±10 %             | +14°F<br>(-10°C)    | +176°F<br>(+80°C) |
| B2        | SOL11110A9000 | 110V AC / 50-60 Hz | 11 VA | ±10 %             |                     |                   |
| B3        | SOL11220A9000 | 220V AC / 50-60 Hz | 11 VA | ±10 %             |                     |                   |

|                     |                               |                        |                                          |                        |                                           |
|---------------------|-------------------------------|------------------------|------------------------------------------|------------------------|-------------------------------------------|
| INSULATION CLASS    | H<br>EN 60085                 | ENCAPSULATION MATERIAL | RYNITE®                                  | ELECTRICAL CONNECTIONS | FORM A<br>EN 175301-803<br>(EX DIN 43650) |
| AMBIENT TEMPERATURE | +14°F +176°F<br>(-10°C +80°C) | PROTECTION DEGREE      | IP67<br>IEC 60529<br>with connector IP67 | OPTIONS                | Other voltages/powers on request          |

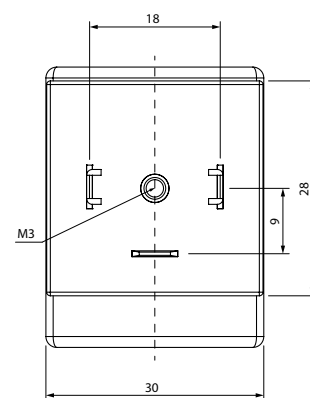
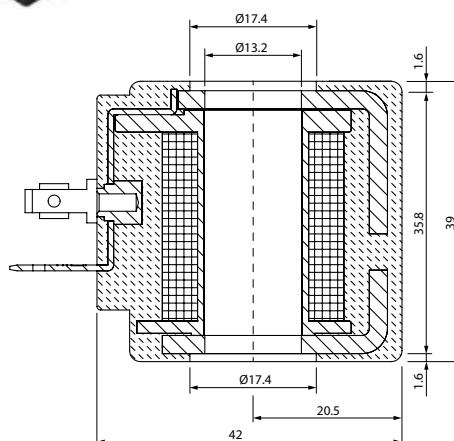
**SERIES C**

**COIL**

**30 mm** 

**13 mm** 

**ED 100%** 



**UL 429 & CSA C22.2 NO. 139-13**

The dimensions are in millimeters (mm)

| Reference | Code          | Voltage            | Power | Voltage tolerance | Ambient temperature |                   |
|-----------|---------------|--------------------|-------|-------------------|---------------------|-------------------|
|           |               |                    |       |                   | Min                 | Max               |
| <b>CA</b> | SOL20012C5000 | 12V DC             | 8 W   | ±10 %             | +14°F<br>(-10°C)    | +176°F<br>(+80°C) |
| <b>CB</b> | SOL20024C5000 | 24V DC             | 8 W   | ±10 %             |                     |                   |
| <b>C1</b> | SOL20024AA000 | 24V AC / 50-60 Hz  | 14 VA | ±10 %             |                     |                   |
| <b>C2</b> | SOL20110AA000 | 110V AC / 50-60 Hz | 14 VA | ±10 %             |                     |                   |
| <b>C3</b> | SOL20220AA000 | 220V AC / 50-60 Hz | 14 VA | ±10 %             |                     |                   |

INSULATION  
CLASS

**H**  
**EN 60085**

ENCAPSULATION  
MATERIAL

**RYNITE®**

ELECTRICAL  
CONNECTIONS

**FORM A**  
EN 175301-803  
(EX DIN 43650)

AMBIENT  
TEMPERATURE

**+14°F +176°F**  
(-10°C +80°C)

PROTECTION  
DEGREE

**IP67**  
**IEC 60529**  
with connector IP67

OPTIONS

Other voltages/powers on request

SERIES D

COIL



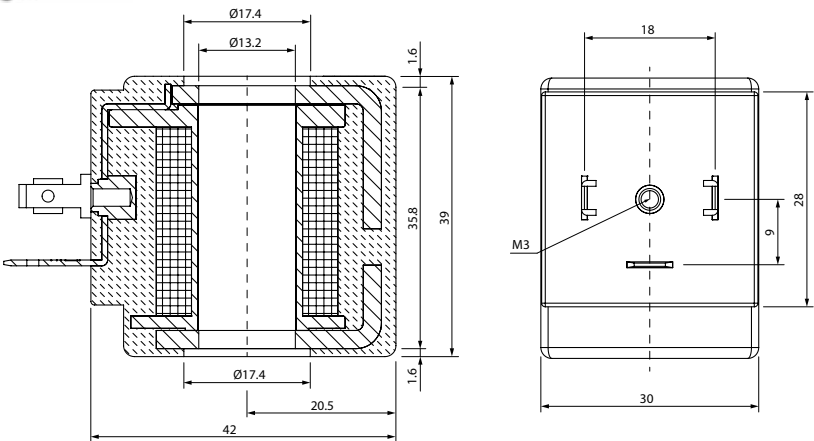
30 mm

13 mm

ED 100%



UL 429 & CSA C22.2 NO. 139-13



The dimensions are in millimeters (mm)

| Reference | Code          | Voltage            | Power | Voltage tolerance | Ambient temperature |                   |
|-----------|---------------|--------------------|-------|-------------------|---------------------|-------------------|
|           |               |                    |       |                   | Min                 | Max               |
| DA        | SOL20012C6000 | 12V DC             | 14 W  | ±10 %             | +14°F<br>(-10°C)    | +176°F<br>(+80°C) |
| DB        | SOL20024C6000 | 24V DC             | 14 W  | ±10 %             |                     |                   |
| D1        | SOL20024AB000 | 24V AC / 50-60 Hz  | 21 VA | ±10 %             |                     |                   |
| D2        | SOL20110AB000 | 110V AC / 50-60 Hz | 21 VA | ±10 %             |                     |                   |
| D3        | SOL20220AB000 | 220V AC / 50-60 Hz | 21 VA | ±10 %             |                     |                   |

INSULATION  
CLASS

H  
EN 60085

ENCAPSULATION  
MATERIAL

RYNITE®

ELECTRICAL  
CONNECTIONS

FORM A  
EN 175301-803  
(EX DIN 43650)

AMBIENT  
TEMPERATURE

+14°F +176°F  
(-10°C +80°C)

PROTECTION  
DEGREE

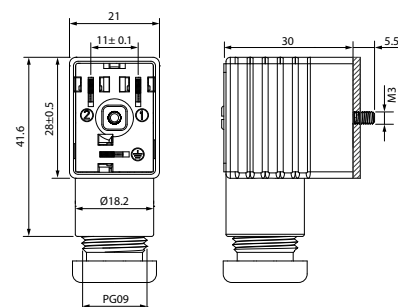
IP67  
IEC 60529  
with connector IP67

OPTIONS

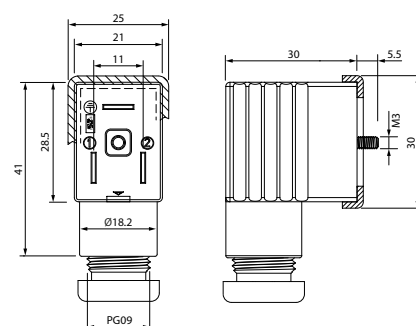
Other voltages/powers on request

## CONNECTORS

**22 mm** 



The dimensions are in millimeters (mm)



The dimensions are in millimeters (mm)

| Code           | Size<br>mm | Colour      | Characteristics   |
|----------------|------------|-------------|-------------------|
| CON01 000 01   | 22         | BLACK       | 2 PINS            |
| CON02 024 00   | 22         | TRANSPARENT | LED + VDR 0 - 24V |
| CON02 110 00   | 22         | TRANSPARENT | LED + VDR 110V    |
| CON02 250 00   | 22         | TRANSPARENT | LED + VDR 220V    |
| * CONU1 000 01 | 22         | BLACK       | 2 PINS            |
| * CONU2 024 00 | 22         | TRANSPARENT | LED + VDR 0 - 24V |
| * CONU2 110 00 | 22         | TRANSPARENT | LED + VDR 110V    |
| * CONU2 250 00 | 22         | TRANSPARENT | LED + VDR 220V    |

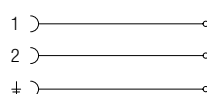
\*: UL 1977 AND CAN/CSA C22.2 NO. 182.3

VDR: Fitted with varistors as surge protection device.

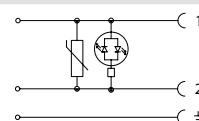


Wiring

CON01 000 01  
CONU1 000 01



CON02 024 00 CON02 110 00 CON02 250 00  
CONU2 024 00 CONU2 110 00 CONU2 250 00



ELECTRICAL  
CONNECTIONS

FORM B - INDUSTRIAL  
EN 175301-803  
(EX DIN 43650)

PROTECTION  
DEGREE

IP67  
IEC 60529

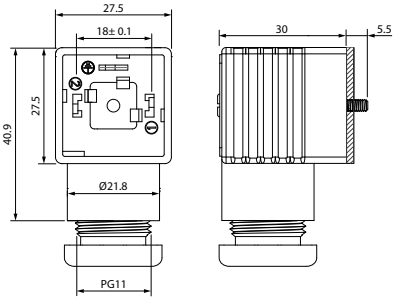
CABLE  
DIAMETER

6 ÷ 8 mm  
&  
8 ÷ 11 mm

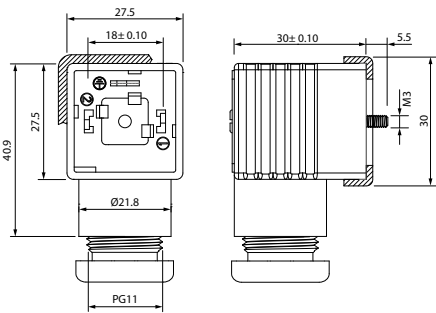
CONNECTORS

30-36 mm





The dimensions are in millimeters (mm)



The dimensions are in millimeters (mm)

| Code           | Size<br>mm | Colour      | Characteristics   |
|----------------|------------|-------------|-------------------|
| CON31 000 01   | 30 - 36    | BLACK       | 2 PINS            |
| CON32 024 00   | 30 - 36    | TRANSPARENT | LED + VDR 0 - 24V |
| CON32 110 00   | 30 - 36    | TRANSPARENT | LED + VDR 110V    |
| CON32 250 00   | 30 - 36    | TRANSPARENT | LED + VDR 220V    |
| * CONU3 100 01 | 30 - 36    | BLACK       | 2 PINS            |
| * CONU3 202 40 | 30 - 36    | TRANSPARENT | LED + VDR 0 - 24V |
| * CONU3 211 00 | 30 - 36    | TRANSPARENT | LED + VDR 110V    |
| * CONU3 225 00 | 30 - 36    | TRANSPARENT | LED + VDR 220V    |

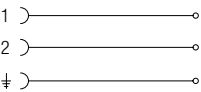
\*: UL 1977 AND CAN/CSA C22.2 NO. 182.3

VDR: Fitted with varistors as surge protection device.

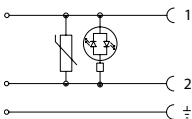


Wiring

CON31 000 01  
CONU3 100 01



CON32 024 00 CON32 110 00 CON32 250 00  
CONU3 202 40 CONU3 211 00 CONU3 225 00



ELECTRICAL  
CONNECTIONS

FORM A  
EN 175301-803  
(EX DIN 43650)

PROTECTION  
DEGREE

IP67  
IEC 60529

CABLE  
DIAMETER

6 ÷ 8 mm  
&  
8 ÷ 11 mm