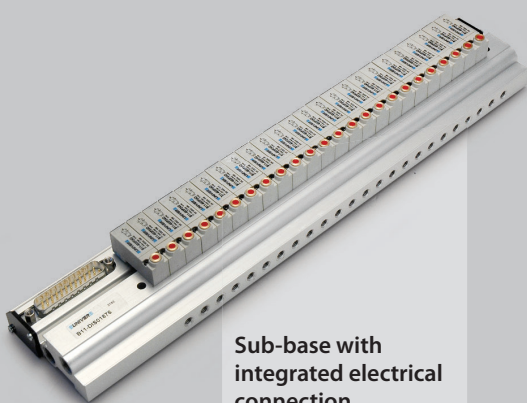


| Standard                                                                           | Low consumption                                                                    | High flow rate                                                                      | Magnetic memory                                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>B11</b>                                                                         | <b>B10</b>                                                                         | <b>B12</b>                                                                          | <b>LATCHING</b>                                                                                        |
| 1 w<br>10 NI/min                                                                   | 0,3 w<br>10 NI/min                                                                 | 0,6 w<br>28 NI/min<br><br>Special version<br>40 NI/min                              | Energizing through short impulse,<br>de-energizing through the same<br>impulse with inverted polarity. |
|  |  |  |                    |

## B11/B10/B12

ISO 15218 - 10 mm Nanovalves



Manual override (standard)



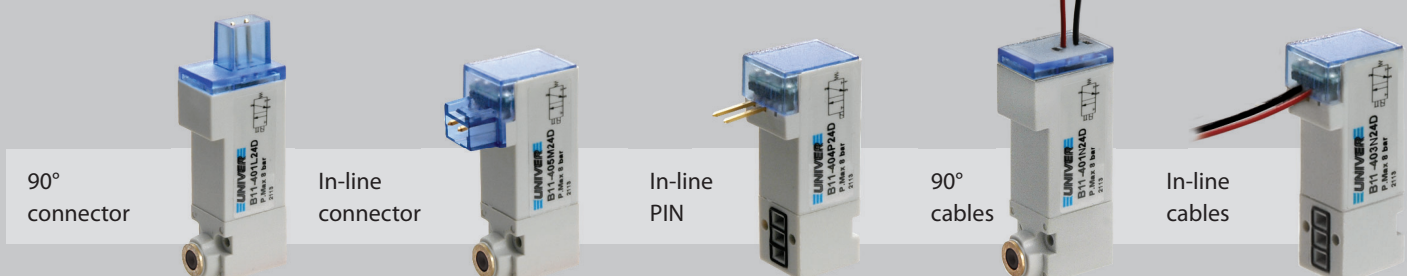
ISO 15218 interface



No manual override (upon request)



LED



## CHARACTERISTICS

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Ambient temperature        | -5 ÷ +50 °C                                     |
| Fluid                      | 10 µm filtered air, with or without lubrication |
| Max pressure               | 7 bar                                           |
| Operating frequency        | 5 Hz                                            |
| Fixing                     | 2 screws M1,7                                   |
| Connections                | ISO 15218 interface                             |
| Nominal bore (mm)          | 0,7 (3/2 NC) 1,3 (3/2 NO)                       |
| Nominal flow rate (NI/min) | 10                                              |
| Valve body                 | self-extinguishing technopolymer                |
| Seals                      | VITON/NBR                                       |
| Voltage                    | 24 V DC (12V DC upon request)                   |
| Power consumption          | 1 W                                             |
| Electrical connection      | D-535U40 (IP65), solder pin (IP00), Molex       |
| Led                        | yellow (standard)                               |
| Manual override            | monostable button                               |



## CODIFICATION KEY

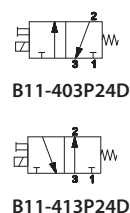
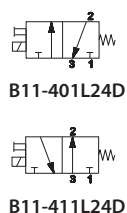
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| B | 1 | 1 | - | 4 | 0 | 1 | L | 2 | 4 | D |
| 1 |   |   | 2 | 3 | 4 | 5 |   | 6 |   |   |

| 1 Series                                                                                                                                              | 2 Model                                       | 3 Type                   | 4 Function                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B11 = ISO 15218 - 10 mm Nanovalves - 1 W standard                                                                                                     | 4 = Monostable                                | 0 = 3/2 NC<br>1 = 3/2 NO | 1 = With manual override (L variant)<br>2 = Without manual override (L variant)<br>3 = With manual override (P variant)<br>4 = Without manual override (P variant)<br>5 = With manual override (M variant)<br>6 = Without manual override (M variant) |
| 5 Variant                                                                                                                                             | 6 Voltage                                     |                          |                                                                                                                                                                                                                                                       |
| L = 90° connector (protected pins)<br>M = In-line connector protected pins (upon request)<br>P = In-line connector (for assembly on electronic board) | 24D = 24 V DC<br>12D = 12 V DC (upon request) |                          |                                                                                                                                                                                                                                                       |

Fixing screws standard supplied. Max tightening torque 0,15 Nm  
Other versions upon request: in-line cables and 90° cables

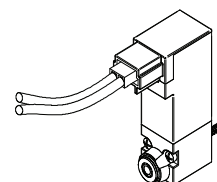
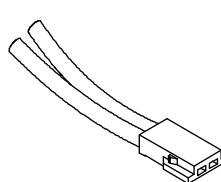
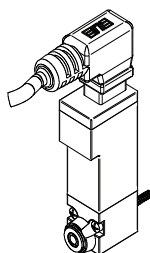
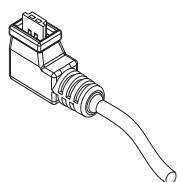
### 90° Connector (Protected pins)

### In-line PIN



### D-535U40300/500

### D-530-30/50/200



Single connector with wire  
D-535U40300 = wire length 300 mm  
D-535U40500 = wire length 500 mm

Miniature connector with loose cables  
D-530-30 = wire length 300 mm  
D-530-50 = wire length 500 mm  
D-530-200 = wire length 2000 mm

## CHARACTERISTICS

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Ambient temperature        | -5 ÷ +50 °C                                     |
| Fluid                      | 10 µm filtered air, with or without lubrication |
| Max pressure               | 7 bar                                           |
| Operating frequency        | 5 Hz                                            |
| Assembly                   | 2 screws M1,7                                   |
| Connections                | ISO 15218 interface                             |
| Nominal bore (mm)          | 0,7                                             |
| Nominal flow rate (NI/min) | 10                                              |
| Valve body                 | self-extinguishing technopolymer                |
| Seals                      | VITON/NBR                                       |
| Voltage                    | 24 V DC (12V DC upon request)                   |
| Power consumption          | 0,3 W (speed-up 1,3 W)                          |
| Electrical connection      | D-535U40 (IP65), solder pin (IP00), Molex       |
| Led                        | yellow (standard)                               |
| Manual override            | monostable button                               |



## CODIFICATION KEY

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| B | 1 | 0 | - | 4 | 0 | 1 | L | 2 | 4 | D |
| 1 |   |   |   | 2 | 3 | 4 | 5 |   | 6 |   |

| 1 Series                                                                                                                                                  | 2 Model                                       | 3 Type     | 4 Function                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B10 = ISO 15218 - 10 mm Nanovalves - low power consumption                                                                                                | 4 = Monostable                                | 0 = 3/2 NC | 1 = With manual override (L variant)<br>2 = Without manual override (L variant)<br>3 = With manual override (P variant)<br>4 = Without manual override (P variant)<br>5 = With manual override (M variant)<br>6 = Without manual override (M variant) |
| 5 Variant                                                                                                                                                 | 6 Voltage                                     |            |                                                                                                                                                                                                                                                       |
| L = 90° Connector (protected PIN)<br>M = In-line connector (protected PIN, Molex connection)<br>P = In-line PIN (suitable for mounting on circuit boards) | 24D = 24 V DC<br>12D = 12 V DC (upon request) |            |                                                                                                                                                                                                                                                       |

Fixing screws standard supplied. Max tightening torque 0,15 Nm  
Other versions upon request: in-line cables and 90° cables

### 90° Connector (protected PIN)

### In-line PIN

### Latching in-line PIN (with magnetic memory)



B10-401L24D



B10-403P24D

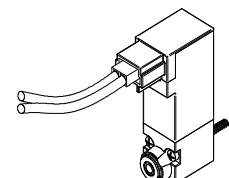
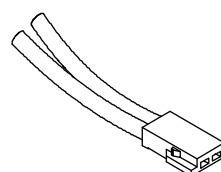
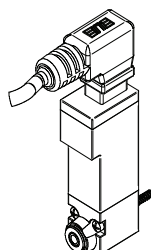
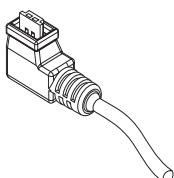


This version is energized by an electrical impulse and de-energized by a similar impulse with inverted polarity.

For further information please contact our Sales Office

### D-535U40300/500

### D-530-30/50/200



Single connector with wire  
D-535U40300 = wire length 300 mm  
D-535U40500 = wire length 500 mm

Miniature connector with loose cables  
D-530-30 = wire length 300 mm  
D-530-50 = wire length 500 mm  
D-530-200 = wire length 2000 mm

## CHARACTERISTICS

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Ambient temperature        | -5 ÷ +50 °C                                     |
| Fluid                      | 10 µm filtered air, with or without lubrication |
| Max pressure               | 7 bar                                           |
| Operating frequency        | 5 Hz                                            |
| Fixing                     | 2 screws M1,7                                   |
| Connections                | ISO 15218 interface                             |
| Nominal bore (mm)          | 1,3                                             |
| Nominal flow rate (NI/min) | 28                                              |
| Valve body                 | self-extinguishing technopolymer                |
| Seals                      | VITON/NBR                                       |
| Voltage                    | 24 V DC (12 V DC upon request)                  |
| Power consumption          | 0,6 W (speed-up 1 W)                            |
| Electrical connection      | D-535U40 (IP65), solder pin (IP00), Molex       |
| Led                        | yellow (standard)                               |
| Manual override            | monostable button                               |



## CODIFICATION KEY

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| B | 1 | 2 | - | 4 | 0 | 1 | L | 2 | 4 | D |
| 1 |   |   |   | 2 | 3 | 4 | 5 | 6 |   |   |

| 1 Series                                            | 2 Model        | 3 Type     | 4 Function                                                                                                                                                                                                                                            |
|-----------------------------------------------------|----------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B12 = ISO 15218 - 10 mm Nanovalves - high flow rate | 4 = Monostable | 0 = 3/2 NC | 1 = With manual override (L variant)<br>2 = Without manual override (L variant)<br>3 = With manual override (P variant)<br>4 = Without manual override (P variant)<br>5 = With manual override (M variant)<br>6 = Without manual override (M variant) |

| 5 Variant                                                                                                                                                 | 6 Voltage                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| L = 90° connector (protected PIN)<br>M = In-line connector (protected PIN, Molex connection)<br>P = In-line PIN (suitable for mounting on circuit boards) | 24D = 24 V DC<br>12D = 12 V DC (upon request) |

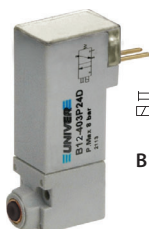
Fixing screws standard supplied. Max tightening torque 0,15 Nm  
Other versions (upon request): In-line cables and 90° cables, nominal flow rate 40 NI/min

### 90° Connector (protected PIN)

### In-line PIN



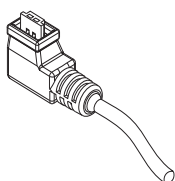
B12-401L24D



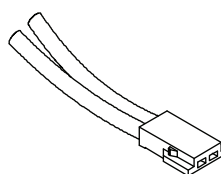
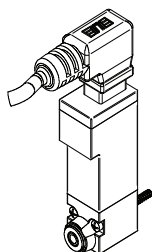
B12-403P24D

### D-535U40300/500

### D-530-30/50/200



Single connector with wire  
D-535U40300 = wire length 300 mm  
D-535U40500 = wire length 500 mm



Miniature connector with loose cables  
D-530-30 = wire length 300 mm  
D-530-50 = wire length 500 mm  
D-530-200 = wire length 2000 mm

