

# Direct Mount (NAMUR) Valve

**5/2 Single Solenoid 341Y**

**5/2 Double Solenoid 342Y**

**5/3 Double Solenoid 343Y**



## Features

- Pilot operated 4 way valve (Convertible to 3 way)
- Direct mounting to pneumatic actuator
- Compact spool valve
- Standard Push Button Manual Override (Optional Lever-Lock Manual Override)
- Long life cycle (1 Million)
- Single and double solenoid
- Coil availability (Flying lead / 22mm DIN)
- Aluminum valve body, 1/4" Pipe size (G, NPT connection)

## Mechanical characteristics

### Standard material of construction

- Body: Aluminum (Diecasting)
- Spool: Aluminum (Diecasting)
- Seals: NBR
- Springs: Stainless Steel
- Sleeve tube: Stainless Steel
- Cap: Zinc (Pressure diecasting)

### Compatible Fluid

- Lubricated Air, Non-Lubricated Air, Inert Gases and other gases compatible with materials of construction

## Electrical characteristics

### Voltages

- DC: 24
- AC: 110/50-120/60, 220/50-240/60

### Voltage Tolerance

- Plus & Minus 10%

### Coil Insulation Class

- "F": 155°C (311°F)

### Electrical Connections

- Leaded, DIN

### Ambient Temperature

- 5°C ~ 60°C (23°F ~ 140°F)

### Maximum Fluid Temperature

- 60°C (140°F)

## Options

### DIN Connector

- PES5: DIN Connector (without lamp)
- PES5 L-24V: DIN Connector (with lamp), DC 24V
- PES5 L-110V: DIN Connector (with lamp), AC 110V/50Hz, 120V/60Hz
- PES5 L-220V: DIN Connector (with lamp), AC 220V/50Hz, 240V/60Hz

### Conversion plate

- CP01: Conversion plate from 4 way to 3 way

## Pressure Vessel Specifications

| Pressure vessel Catalog number | Description         | Cv  | Operating Pressure |        | Temperature Range |      | Response Time (at 5 bar) |
|--------------------------------|---------------------|-----|--------------------|--------|-------------------|------|--------------------------|
|                                |                     |     | Min.               | Max.   | Min.              | Max. |                          |
| <b>G1/4</b>                    |                     |     |                    |        |                   |      |                          |
| 341Y312UNM0                    | 5/2 Single Solenoid | 1.6 | 1.5 bar            | 10 bar | 5°C               | 60°C | 30ms or less             |
| 342Y312UNM0                    | 5/2 Double Solenoid | 1.6 | 1.0 bar            | 10 bar | 5°C               | 60°C | 30ms or less             |
| 343Y312SNM0                    | 5/3 Double Solenoid | 1.0 | 2.0 bar            | 10 bar | 5°C               | 60°C | 40ms or less             |
| <b>1/4" NPT</b>                |                     |     |                    |        |                   |      |                          |
| 341Y332UNM0                    | 5/2 Single Solenoid | 1.6 | 1.5 bar            | 10 bar | 5°C               | 60°C | 30ms or less             |
| 342Y332UNM0                    | 5/2 Double Solenoid | 1.6 | 1.0 bar            | 10 bar | 5°C               | 60°C | 30ms or less             |
| 343Y332SNM0                    | 5/3 Double Solenoid | 1.0 | 2.0 bar            | 10 bar | 5°C               | 60°C | 40ms or less             |

Note: Above 6 vessels have standard Push Button Manual Override.

If you need optional "Lever-Lock" Manual Override, please change the last two digit from "MO" to "ML".

## Coil Specifications

| Coil Catalog Number                          | Description   | Power Consumption |      | Max Ambient Temp. |
|--|---|-------------------|------|-------------------|
|  |   | DC                | AC   |                   |
| <b>Flying lead</b>                           |   |                   |      |                   |
| PEC5-24V                                     | Coil (length 500 mm), Class F, DC24V                    | 2.5W              | -    | 60°C (140°F)      |
| PEC5-110V                                    | Coil (length 500 mm), Class F, AC 110/50Hz-120/60Hz     | -                 | 2.5W | 60°C (140°F)      |
| PEC5-220V                                    | Coil (length 500 mm), Class F, AC 220/50Hz-240/60Hz     | -                 | 2.5W | 60°C (140°F)      |
| <b>DIN (Ordinary location)</b>               |   |                   |      |                   |
| PEC5-D-24V                                   | DIN coil, Class F, DC 24V                               | 2.5W              | -    | 60°C (140°F)      |
| PEC5-D-110V                                  | DIN coil, Class F, AC 110/50Hz-120/60Hz                 | -                 | 2.5W | 60°C (140°F)      |
| PEC5-D-220V                                  | DIN coil, Class F, AC 220/50Hz-240/60Hz                 | -                 | 2.5W | 60°C (140°F)      |
| <b>DIN (Hazardous location, EEx m II T4)</b> |   |                   |      |                   |
| PEC5-22EX-24V                                | DIN coil with 3000mm cable, Class F, DC 24V             | 5.0W              | -    | 60°C (140°F)      |
| PEC5-22EX-110V                               | DIN coil with 3000mm cable, Class F, AC 110-120/50-60Hz | -                 | 5.0W | 60°C (140°F)      |
| PEC5-22EX-220V                               | DIN coil with 3000mm cable, Class F, AC 220-240/50-60Hz | -                 | 5.0W | 60°C (140°F)      |

Note: In using DIN coil, you should use DIN connector (see options).

All DIN coils are 22mm DIN standard, DIN43650B. All coils are IP65 protection.

