

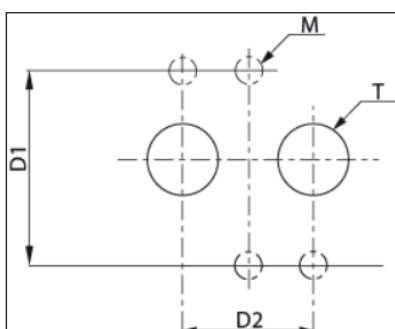
# NAMUR SOLENOID VALVE

## GENERAL DETAILS

- Used for on-off control of pneumatic rotary actuators.
- Panel type namur solenoid valves cannot be mounted to the actuator and used separately.
- Namur solenoid valves in namur standard are mounted on the actuator to control the actuator.
- Atex models are available.

|                        |                                    |
|------------------------|------------------------------------|
| Temperature            | : -5 °C...80 °C                    |
| Coil Voltage           | : 5 VA (Depends on voltage value.) |
| Working Pressure Range | : 1,5...8 bar                      |
| Body                   | : Anodized Coated Aluminum         |
| Ways                   | : 3/2, 5/2                         |
| Coil                   | : Single Coil, Double Coil         |
| Type                   | : Namur Type                       |
| Coil Voltage           | : 12, 24 DC 24, 110, 220 AC        |
| Protection Class       | : IP65                             |
| Voltage Tolerance      | : ± %10                            |
| Fluid                  | : Air, Inert Gas                   |
| Connection Size        | : 1/8", 1/4" (BSP)                 |
| Atex                   | : EExmdII.T4                       |

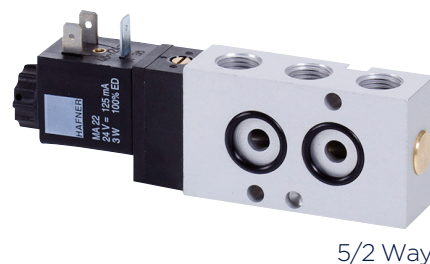
3/2 way for single acting actuators  
5/2 way for double acting actuators



| T          | D1 | D2 | M  |
|------------|----|----|----|
| 1/8", 1/4" | 32 | 24 | M5 |
| 3/8", 1/2" | 45 | 40 | M6 |



5/2 Way Atex



5/2 Way



3/2 Way

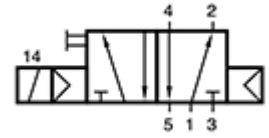


5/2 Way

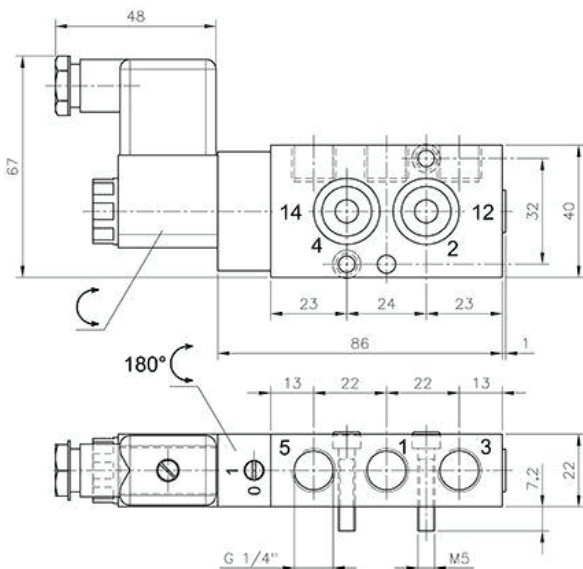
## ► EX. NM52W1S EX PROOF NAMUR SOLENOID VALVE SINGLE COIL 1/4" -5/2"

### APPLICATION

It is used for on-off control of pneumatic rotary actuators. Manufactured in Namur standards. The TORK actuator-solenoid valve connection is also based on the namur standard. Therefore, the namur solenoid valve is coupled directly to the actuator. 6 bar allows the actuator to operate with compressed air connection.



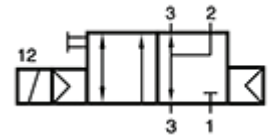
|                          |                                                 |
|--------------------------|-------------------------------------------------|
| Coil Voltage             | : 230/220 V AC, 110V AC, 24V AC, 12V AC, 24V DC |
| Exproof Protection Class | : EEx m II T4                                   |
| Protection Class         | : IP 65, C20 Series                             |
| Ambient Temperature      | : -5°C...60°C                                   |
| Voltage Tolerance        | : +/- %10                                       |
| Power Consumption        | : 5VA/3W                                        |
| Fluid                    | : Air, Inert Gas                                |
| Size                     | : G (BSP) 1/4" - 5/2                            |
| Working Pressure         | : 0,5..10 Bar                                   |
| Working Temperature      | : -10°C....+80°C                                |



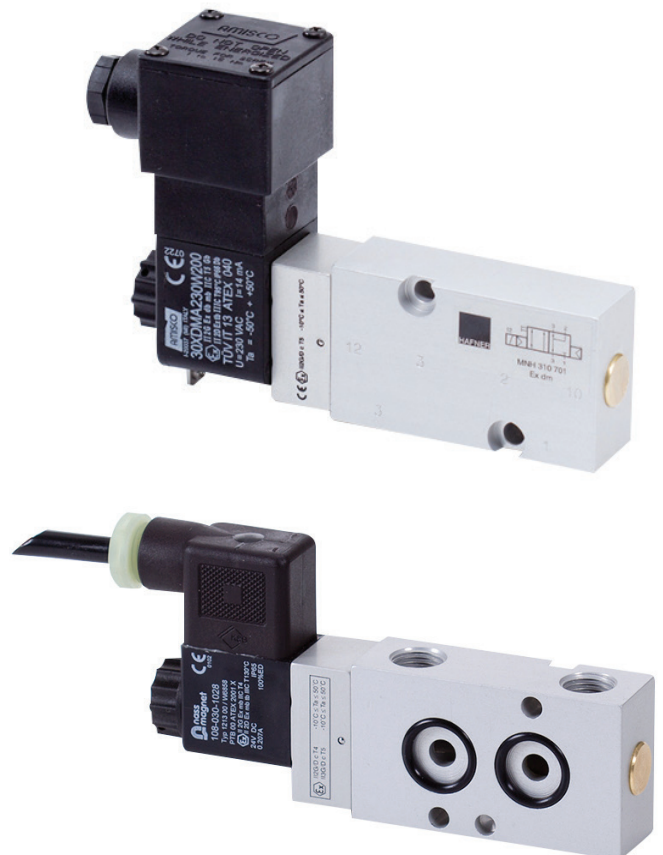
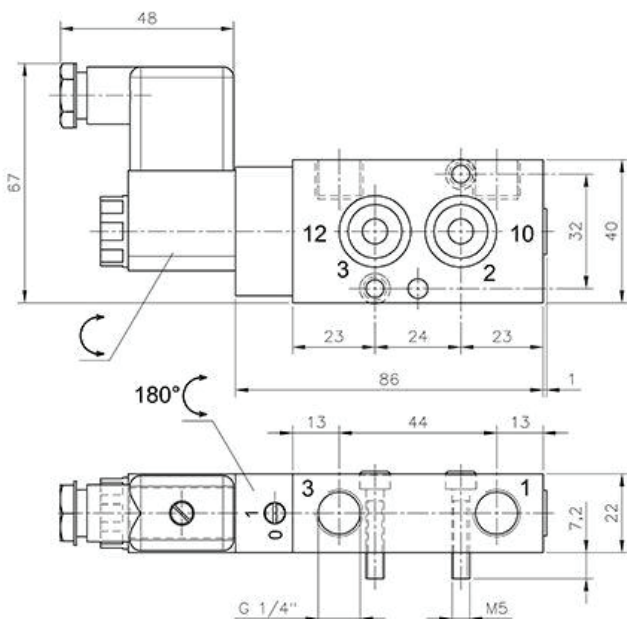
## ► EX. NM32W1S EX PROOF NAMUR SOLENOID VALVE SINGLE COIL 1/4" -3/2"

### APPLICATION

It is used for on-off control of pneumatic rotary actuators. Manufactured in Namur standards. The TORK actuator-solenoid valve connection is also based on the namur standard. Therefore, the namur solenoid valve is coupled directly to the actuator. 6 bar allows the actuator to operate with compressed air connection.



|                          |                                                 |
|--------------------------|-------------------------------------------------|
| Coil Voltage             | : 230/220 V AC, 110V AC, 24V AC, 12V AC, 24V DC |
| Exproof Protection Class | : EEx m II T4                                   |
| Protection Class         | : IP 65, C20 Series                             |
| Ambient Temperature      | : -5°C...60°C                                   |
| Voltage Tolerance        | : +/- %10                                       |
| Power Consumption        | : 5VA/3W                                        |
| Fluid                    | : Air, Inert Gas                                |
| Size                     | : G (BSP) 1/4" - 3/2"                           |
| Working Pressure         | : 0,5 .. 10 Bar                                 |
| Working Temperature      | : -10°C ... +80°C                               |



## ► NAMUR SOLENOID VALVE MODELS

| Model                | Coil   | Size | Ways | Type  | Feature        |
|----------------------|--------|------|------|-------|----------------|
| TORK-NM52W1S.220AC   | Single | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM52W1S.110AC   | Single | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM52W1S.24AC    | Single | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM52W1S.24DC    | Single | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM32W1S.220AC   | Single | 1/4" | 3/2  | Namur | Standard       |
| TORK-NM32W1S.110AC   | Single | 1/4" | 3/2  | Namur | Standard       |
| TORK-NM32W1S.24AC    | Single | 1/4" | 3/2  | Namur | Standard       |
| TORK-NM32W1S.24DC    | Single | 1/4" | 3/2  | Namur | Standard       |
| TORK-NM52W2S.220AC   | Double | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM52W2S.110AC   | Double | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM52W2S.24AC    | Double | 1/4" | 5/2  | Namur | Standard       |
| TORK-NM52W2S.24DC    | Double | 1/4" | 5/2  | Namur | Standard       |
| TORK-ExNM52W1S.220AC | Single | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W1S.110AC | Single | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W1S.24AC  | Single | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W1S.24DC  | Single | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM32W1S.220AC | Single | 1/4" | 3/2  | Namur | Atex (Exproof) |
| TORK-ExNM32W1S.110AC | Single | 1/4" | 3/2  | Namur | Atex (Exproof) |
| TORK-ExNM32W1S.24AC  | Single | 1/4" | 3/2  | Namur | Atex (Exproof) |
| TORK-ExNM32W1S.24DC  | Single | 1/4" | 3/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W2S.220AC | Double | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W2S.110AC | Double | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W2S.24AC  | Double | 1/4" | 5/2  | Namur | Atex (Exproof) |
| TORK-ExNM52W2S.24DC  | Double | 1/4" | 5/2  | Namur | Atex (Exproof) |
| E52W1SM18.220AC      | Single | 1/8" | 5/2  | Panel | Standard       |
| E32W1S6M8.110AC      | Single | 1/8" | 3/2  | Panel | Standard       |
| E52W1SM14.220AC      | Single | 1/4" | 5/2  | Panel | Standard       |
| E32W1S6M4.110AC      | Single | 1/4" | 3/2  | Panel | Standard       |
| Ex52W1SM18.220AC     | Single | 1/8" | 5/2  | Panel | Atex (Exproof) |
| Ex32W1S6M8.110AC     | Single | 1/8" | 3/2  | Panel | Atex (Exproof) |
| Ex52W1SM14.220AC     | Single | 1/4" | 5/2  | Panel | Atex (Exproof) |
| Ex32W1S6M4.110AC     | Single | 1/4" | 3/2  | Panel | Atex (Exproof) |

## ► ATEX CERTIFIED GAS AND D TYPE NAMUR SOLENOID VALVE FOR POWDERENVIRONMENTS

Ex II 2G d IIC T6

Ex II 2D tD A21 IP66



### GENERAL DETAILS

Voltage Tolerance : -10....+ 10%

ED : 100%

Temperaure : -40 °C....+40°C

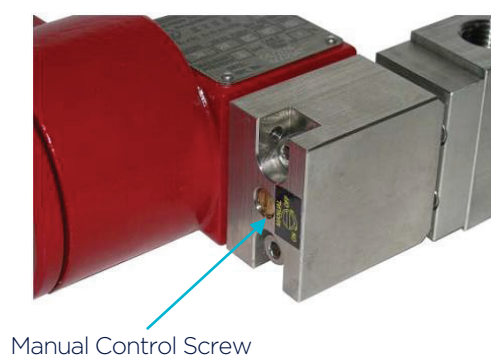
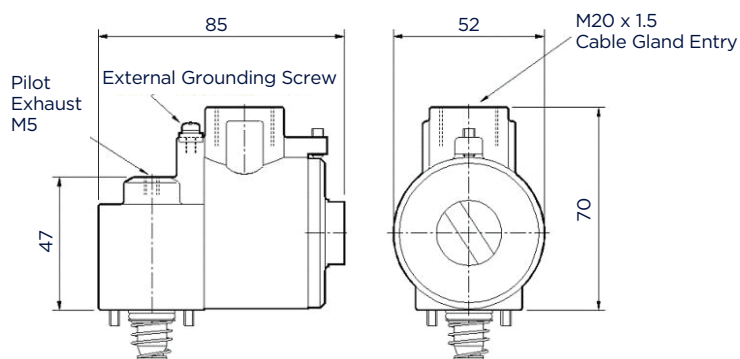
Protection Class : (EN 60529) IP 66

Coil Material : Stainless Steel

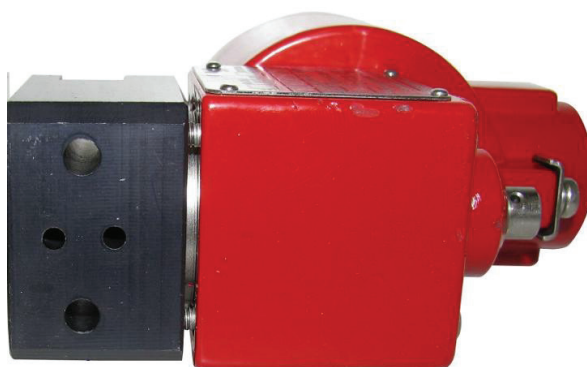
Valve Material : Aluminium, Stainless Steel(Optional)

Cable Gland : M20 x 1.5

Coil Wire : H Class - 180°C max



Valve



Coil

**Aluminium Body Valve (-10°C... +40°C),**  
1/8", 1/4", 1/2"

**Aluminium Body Valve (-50°C... +40°C)**  
1/8", 1/4"

**Stainless Steel Body Valve (-10°C... +40°C)**  
1/4", 1/2"

**Stainless Steel Body Valve (-50°C... +40°C)**  
1/4"

| Type                  | Working Pressure | Operating Voltage | Power Consumption | Temperature Class |
|-----------------------|------------------|-------------------|-------------------|-------------------|
| TORK-ExdNM32.WIS 24V  | Max. 10 bar      | 24VDC             | 3 W               | T6 (85°C)         |
| TORK-ExdNM32.WIS 230V | Max. 10 bar      | 230VAC            | 5 VA              | T6 (85°C)         |