tork
valve & automation

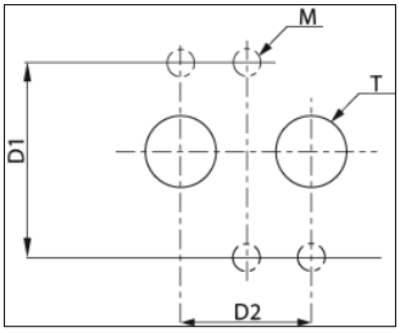
NAMUR SOLENOID VALVE

GENERAL DETAILS

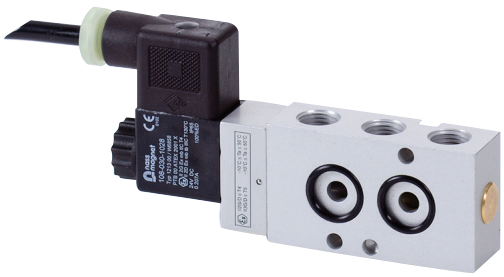
• Used for on-off control of pneumatic rotary actuators.
• Panel type namur solenoid valves cannot be mounted to the actuator and used separately.
• Namur solenoid valves in namur standard are mounted on the actuator to control the actuator.
• Atex models are available.

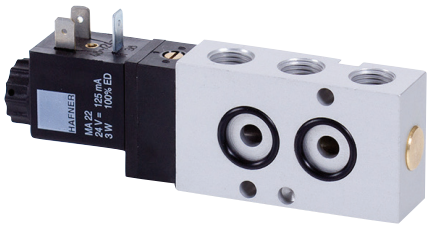
Temperature	: -10 °C...80 °C
Coil Voltage	: 5 VA (Depends on voltage value.)
Working Pressure Range	: 1,5...8 bar
Body	: Anodized Coated Aluminum
Ways	: 3/2, 5/2
Coil	: Single Coil, Double Coil
Type	: Namur Type
Coil Voltage	: 12, 24 DC 24, 110, 220 AC
Protection Class	: IP65
Voltage Tolerance	: ± %10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

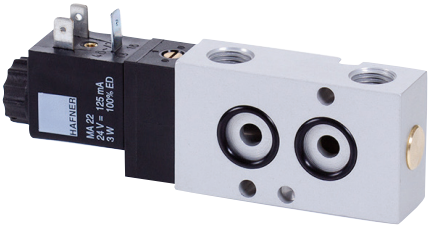
3/2 way for single acting actuators
5/2 way for double acting actuators

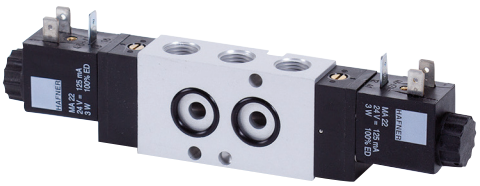


T	D1	D2	M
1/8", 1/4"	32	24	M5
3/8", 1/2"	45	40	M6


5/2 Way Atex


5/2 Way


3/2 Way


5/2 Way

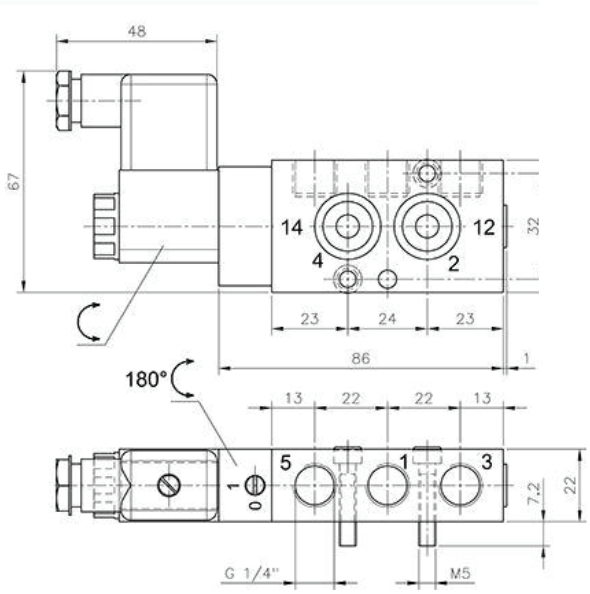
EX. NM52W1S EX PROOF NAMUR SOLENOID VALVE SINGLE COIL 1/4" -5/2"

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	: -5ºC...60ºC
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	: -10ºC....+80ºC

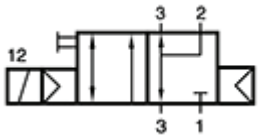




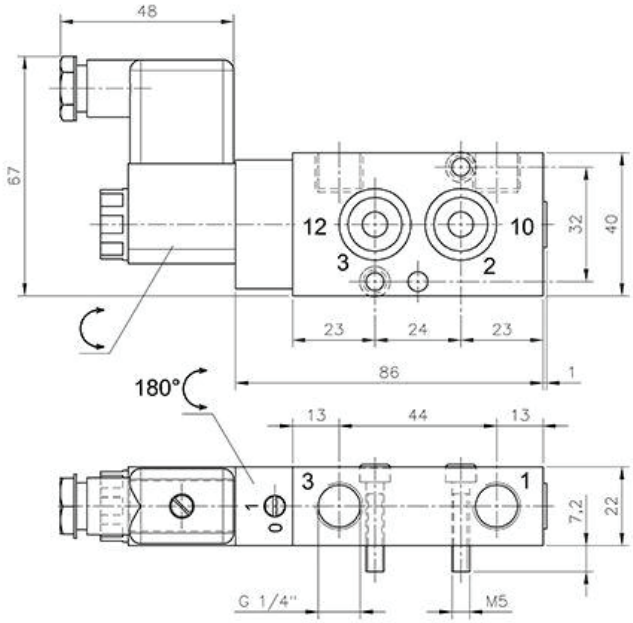
EX. NM32W1S EX PROOF NAMUR SOLENOID VALVE SINGLE COIL 1/4" -3/2"

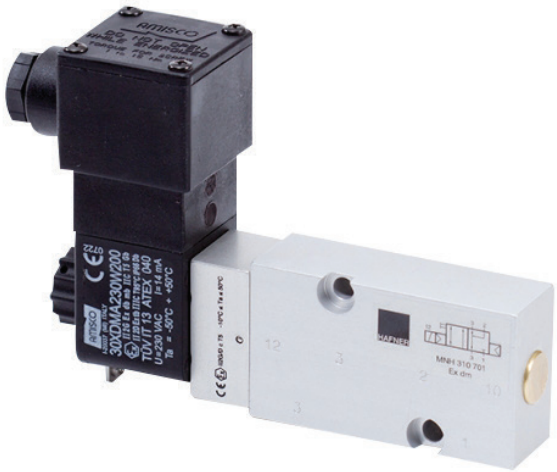
APPLICATION

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	: -5ºC...60ºC
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	: -10ºC ... +80ºC







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

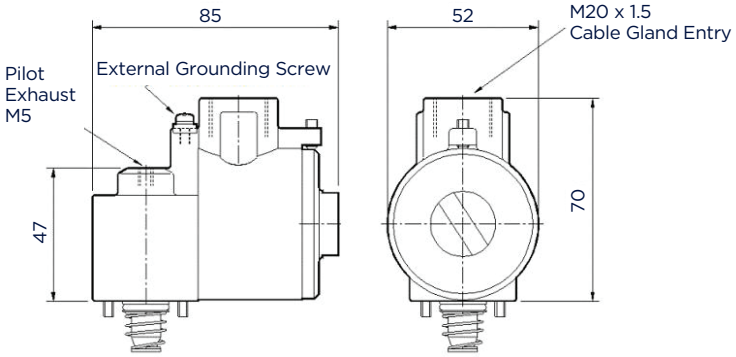
Ex II 2G d IIC T6

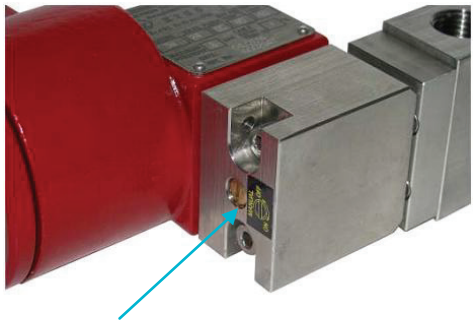
Ex II 2D tD A21 IP66



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

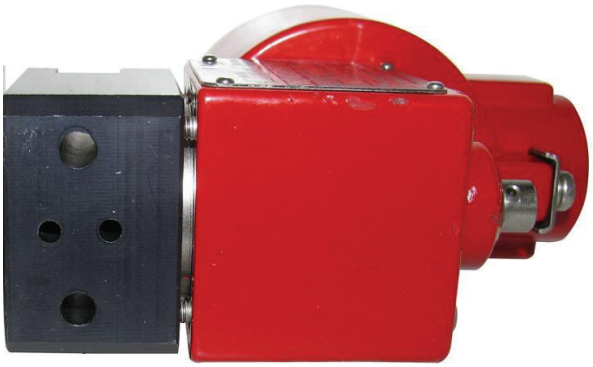




Manual Control Screw



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 Consumpion	Temperature Class
TORK-ExdNM32.W1S 24V	Max. 10 bar	24VDC	3 W	T6 (85°C)
TORK-ExdNM32.W1S 230V	Max. 10 bar	230VAC	5 VA	T6 (85°C)