

## 22 mm MINISOL Direct acting solenoid valve

- 2/2, 3/2
- Compact design
- Long life - in excess of 25 Mio. cycles
- High cycle rate of up to 2000 cycles per minute
- Up to 2,4 mm orifice (kv 2,00)



### Technical features

#### Medium:

Air, neutral gases and liquids

#### Operation:

Direct acting 2-way and 3-way valves, normally closed and normally opened, bi-directional

#### Operating pressure:

0 ... 40 bar ( 0 ... 580 psi)  
maximum

#### Flow (kv factor):

0,5 ... 2,0 (Cv: 0,03 ... 0,14)

#### Mounting:

Inline

#### Orifice:

1,0 ... 2,4 mm (0,04 ... 0,09")

#### Port size:

G1/8

#### Response time:

8 ... 15 ms  
Response time measured  
according to ISO 12238

#### Life time:

25 million cycles

#### Temperature:

Ambient:

–15 ... +50°C (+5 ... +122°F)

Media:

–15 ... +130°C (+5 ... +266°F)

Air supply must be dry enough  
to avoid ice formation at  
temperatures below +2°C (+35°F).

#### Materials:

Body: Stainless steel, brass  
Seal: NBR, FPM, EDPM

### Electrical details

Voltage tolerances	–10% ... +15%
Duty cycle	100% E.D.
Insulation class	F (155°C)
Protection class according to EN 60529	IP65 with connector
Electrical connection	Interface according to DIN EN 175301-803, Form B
Coil orientation	Rotable 360°
Coil mounting	M8 x 0,75 mm nut

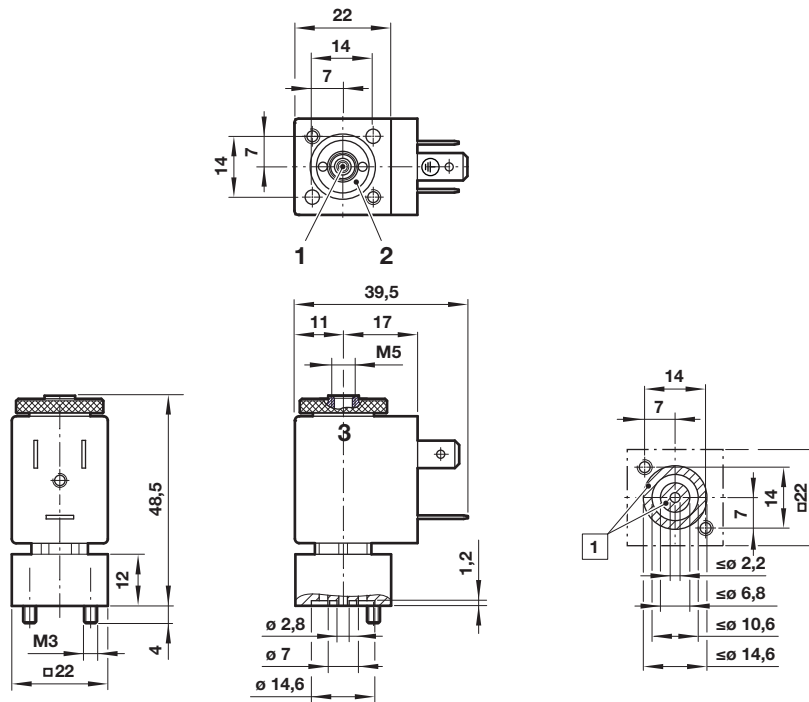
### Following options on request

Alternative configuration for manifold mounting
Pneumatic connection
Voltage
Power consumption
Operating pressure (also vacuum)
Materials
Electrical connections (type of connector & coil orientation)
Coil



## MINISOL 2/2 NC, 3/2 NC or 3/2 NO for manifold mounting on request

Dimensions in mm  
Projection/first angle



### Port identification

	Ports 1	2	3
2/2 NC	A	P	–
3/2 NC	P	A	R
3/2 NO	R	A	P

P = Inlet; A = Outlet; R = Exhaust

Please refer to marking on the valve body for flow direction or port identification.

1 Sealing area

All solenoids are supplied with mounting screws and gasket.

### Warning

These products are intended for use in air, neutral gas and liquid systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult IMI Precision Engineering, Fluid Automation Systems s.a.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.