

- > **2/2 NC**
Media separated
Manifold mounting
- > **Low internal volume**
- > **Compact design**

- > **High flow to size ratio**
- > **High pressure capability**



Technical features

Medium:

Neutral or aggressive gases and liquids

Operation:

Direct acting 2-way media separated valves, normally closed

Operating pressure:

0 ... 10 bar (0 ... 146 psi)

Details below

Flow:

kv: 0,25 ... 0,8 l/min

10 ... 33 l/min at $\Delta p = 2 \text{ bar (29 psi)}$

at +20°C (+68°F)

Mounting:

Manifold

Orifice:

0,8 ... 2 mm (0,031" ... 0,079")

Weight:

30 g (1.06 lbs)

Ambient/media temperature:

+5 ... +50 °C (+41 ... +122°F)

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

Materials:

Body in contact with media:

PVDF, PEEK

Seal and diaphragm material in

contact with media:

FPM, FFPM, EPDM

Electrical details

Voltage:	24 V d.c.
Voltage range:	-10 % ... +15 %
Power consumption:	2 W
Electrical insulation:	1500 V a.c.
Duty cycle	100% ED
Insulation class:	F (155 °C)
Protection class according to EN 60529:	IP51 with connector

Following options on request

Pneumatic configuration (latching)
Operating pressure (also vacuum)
Materials
Voltage
Pneumatic port allocation
Power consumption
Electrical connections (300 mm flying leads, connector types)
Coil orientation
Protection class

Embedded electronics options

Integrated pulse width modulation (PWM)
Reverse polarity protection

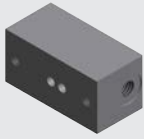
Technical data - standard models

Symbol	Orifice (mm)	Operating pressure (bar) (psi)	Back pressure (bar) (psi)	kv *1) (l/min)	Seal Material	Model		
	0,8	0 ... 10	0 ... 145	0 ... 1,8	0 ... 26	0,25	PVDF/FPM	01-213E-01-51+EHP+AYZ
	0,8	0 ... 10	0 ... 145	0 ... 1,8	0 ... 26	0,25	PVDF/EPDM	01-213E-01-55+EHP+AYZ
	0,8	0 ... 6	0 ... 87	0 ... 0,5	0 ... 7,2	0,25	PEEK/FFPM	01-213E-01-B6++AYZ
	1,2	0 ... 6	0 ... 87	0 ... 1,8	0 ... 26	0,55	PVDF/FPM	01-213E-02-51+EHP+AYZ
	1,2	0 ... 6	0 ... 87	0 ... 1,8	0 ... 26	0,55	PVDF/EPDM	01-213E-02-51+EHP+AYZ
	1,2	0 ... 2,5	0 ... 36	0 ... 0,5	0 ... 7,2	0,55	PEEK/FFPM	01-213E-02-B6++AYZ
	1,6	0 ... 4,5	0 ... 65	0 ... 1,6	0 ... 23	0,65	PVDF/FPM	01-213E-03-55+EHP+AYZ
	1,6	0 ... 4,5	0 ... 65	0 ... 1,6	0 ... 23	0,65	PVDF/EPDM	01-213E-03-51+EHP+AYZ
	1,6	0 ... 1,8	0 ... 26	0 ... 0,5	0 ... 7,2	0,65	PEEK/FFPM	01-213E-03-B6++AYZ
	2,0	0 ... 3,5	0 ... 50	0 ... 1,6	0 ... 23	0,80	PVDF/FPM	01-213E-04-55+EHP+AYZ
	2,0	0 ... 3,5	0 ... 50	0 ... 1,6	0 ... 23	0,80	PVDF/EPDM	01-213E-04-51+EHP+AYZ
	2,0	0 ... 1,0	0 ... 14	0	0	0,80	PEEK/FFPM	01-213E-04-B6++AYZ

*1) Cv - Value in [gal/min] = kv x 0.07

Accessories

Mounting plate with M5 thread
PVDF – 1 position



S010.1998

Electrical connection

Electrical connector MPM 9,4 mm
industry standard (C192) to mate
AMP spade 2,8 x 0,5 mm



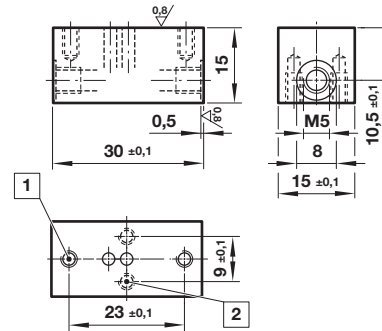
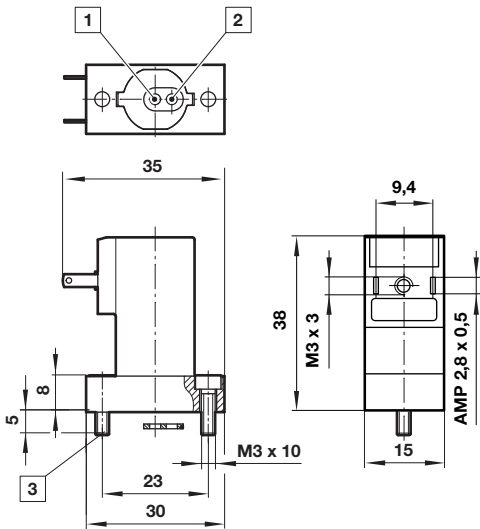
N050.1456

Dimensions

Dimensions shown in mm
Projection/First angle



**Mounting plate
Model: S010.1998**

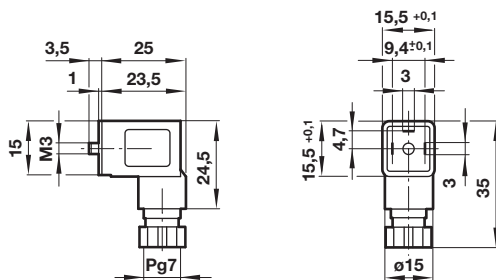


- 1 Inlet \varnothing 2 mm
- 2 Outlet \varnothing 2,4 mm
- 3 Mounting screw

- 1 Valve mount threads
- 2 Threads for mounting screws - M3 x 6 mm deep

All solenoids are supplied with mounting screws and gasket.

**Electrical connector
Model: N050.1456**



Warning

These products are intended for use in neutral or aggressive gases and liquids 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 FAS.

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.