

In-line mounted 5/2 spool valves
Solenoid actuated and pilot operated
Ø 6 mm Push-in fittings

High flow spool technology
Compact dimensions with integral fittings
Wide range of voltages available
Suitable for non-lubricated air supplies



Technical data

Medium:
Compressed air, filtered to 40µm,
lubricated and non-lubricated

Operation:
Spool valve, indirectly actuated

Mounting:
Through-holes in valve body

Port size:
6 mm o.d. Push-in fittings

Operating pressure:
Maximum 10 bar

See individual details overleaf

Flow characteristics:

'C'	'b'	'A'	l/min	Cv	Kv
1,57	0,26	6,28	394	0,4	0,36

Ambient temperature:

-20°C to +80°C pilot models

-20°C to +50°C solenoid models

(consult our Technical Service for use below +2°C)

Materials

Body, end caps and spool: aluminium

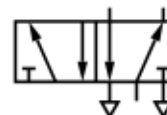
Seals: nitrile rubber

Ordering information

See page 2

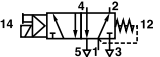
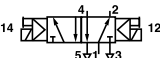
Accessories

Connector plugs and light emitting seals
see page 7.7.001



General Information

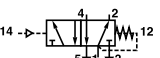
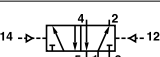
5/2 solenoid actuated valves

Symbol	Model	Manual override	Solenoid pilot	Operator	Return	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Spares kit
	V106516A-#21*A	Push and lock	Internal	Solenoid	Spring and air	3 ... 10	–	0,155	V10035-K00
	V106516A-#31*A	Push only							
	V106511A-#21*A	Push and lock	Internal	Solenoid	Solenoid	2 ... 10	–	0,198	V10035-K00
	V106511A-#31*A	Push only							

Insert pin orientation: E=up, D=down

* Insert voltage code from table below.

5/2 pilot actuated valves

Symbol	Model	Manual override	Solenoid pilot	Operator	Return	Operating pressure (bar)	Pilot pressure (bar)	Weight (kg)	Spares kit
	V106536A-X0130	–	–	Pressure	Spring and air	2 ... 10	1,5 + 0,5 x supply	0,152	V10035-K00
	V106533A-X0020	–	–	Pressure	Pressure	0 ... 10	1 ... 10	0,141	V10035-K00

Voltage codes and spare solenoid kits

Voltage	Code	Power	Solenoid Kit Part Number		Turn MO Pin Up	Pin Down
			Push MO Pin Up	Pin Down		
12 V d.c.	2	1 W	V12862-P22	V12861-P22	V12862-T22	V12861-T22
24 V d.c.	3	1 W	V12862-P23	V12861-P23	V12862-T23	V12861-T23
24 V a.c. 50/60 Hz	4	1 W	V12862-P24	V12861-P24	V12862-T24	V12861-T24
110 V a.c. 50/60 Hz	8	1 W	V12862-P28	V12861-P28	V12862-T28	V12861-T28
240 V a.c. 50/60 Hz	9	1 W	V12862-P29	V12861-P29	V12862-T29	V12861-T29

Electrical details for solenoid operators

Voltage tolerances:	-10/+15%
Rating:	100% E.D.
Inlet orifice:	0,8 mm
Electrical connection:	DIN 43650 table 'C'
Manual override:	V1065**A-*21*A - Screwdriver bi-stable V1065**A-*31*A - Push button, spring return
Protection class:	IP 65 (DIN 40050)

For details of connector plugs and light emitting seals see section 7.7.001.

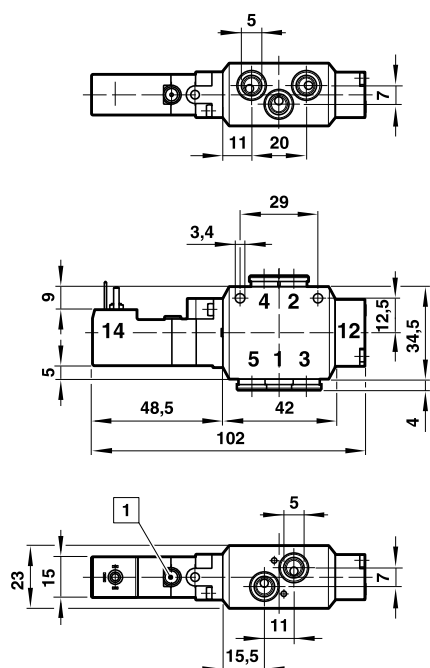
Ordering information

To order, quote model number and voltage code from tables overleaf, e.g. V106516A-E213A for a solenoid pilot actuated, spring and air return model fitted with a 24 V d.c. coil (pin up configuration) and screwdriver operated manual override.

Basic dimensions

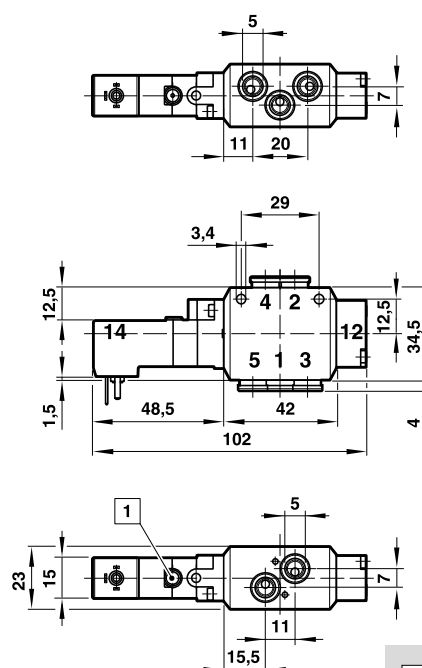
V106516A-E... models

Single solenoid valves, pin orientation up



V106516A-D... models

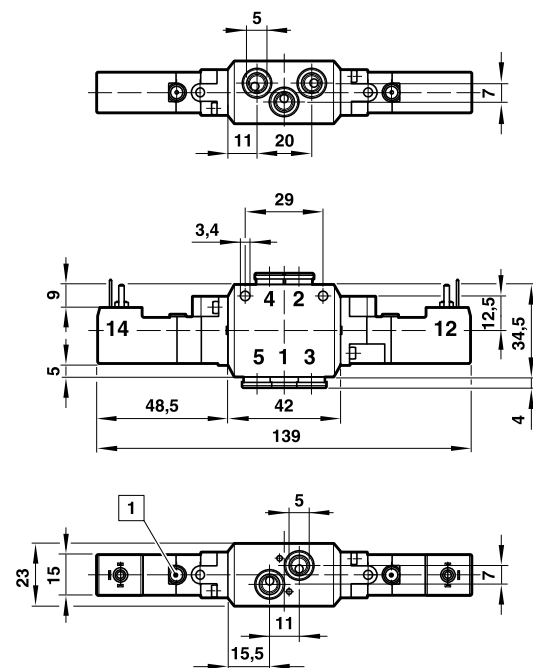
Single solenoid valves, pin orientation down



1 Manual override

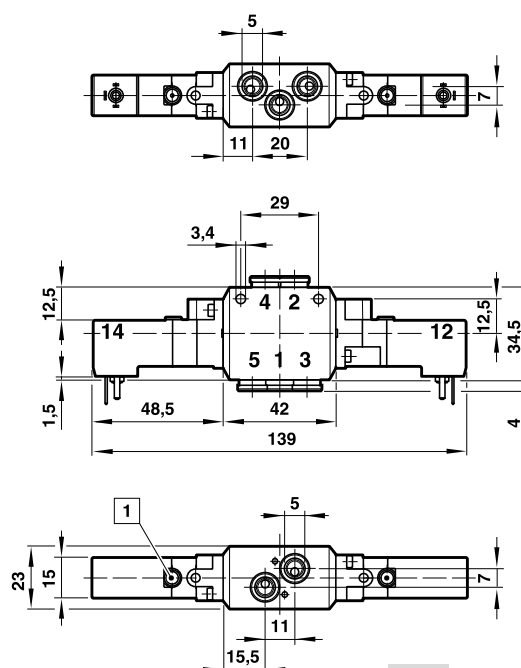
V106511A-E... models

Double solenoid valves, pin orientation up

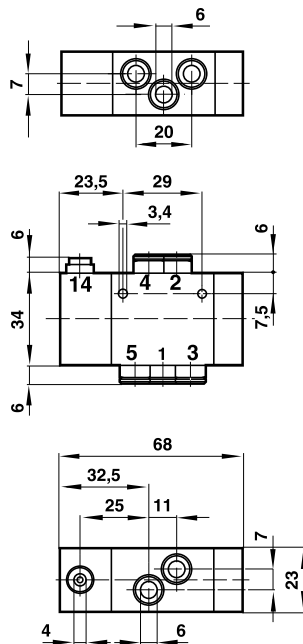
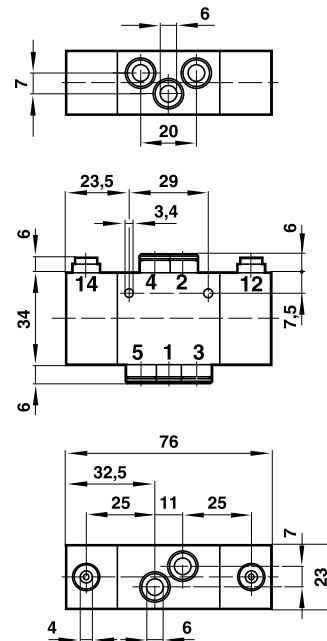


V106511A-D... models

Double solenoid valves, pin orientation down



1 Manual override

V106536A-X0130
Single pilot valve

V106533A-X0020
Double pilot valve


Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **'Technical Data'**.

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 NORGREN.

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.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.