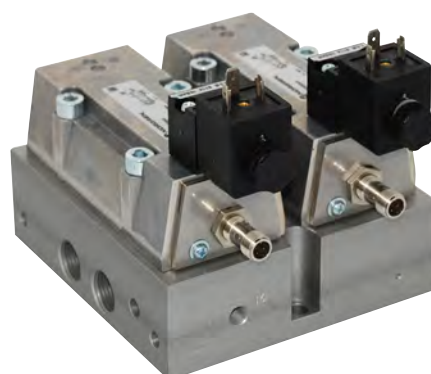


NE/13808 / NE/13338

5/2-way safety block

Solenoid actuated glandless spool valves

- Sub-base mounted, ISO 5599-1 sizes 1 + 3
- Specially coated glandless spool and sleeve for long trouble-free life
- Manual override: push
- With the appropriate application, the safety function "Reverse" (pressure building up from '1' to '2' and pressure dropping from '4' to '5'), the performance Level "e" (Category 4) according to EN ISO 13849-1 can be achieved.
- Integrated proximity switch for diagnostic coverage (DC = 99%)



Technical features

Medium:

Compressed air, 40 µm filtered, lubricated or non-lubricated

Operation:

Glandless spool valve, solenoid actuated with position detection via proximity switch

B10 (median) characteristic service live value on basis

ISO 19973:

24x10⁶ cycles

Sizes:

ISO 1; ISO 3

Port size:

G1/4 (1,2,3,4,5) ISO 1

G1/2 (1,2,3,4,5) ISO 3

G1/8 (14)

Maximum operating pressure:

-0,9 ... 16 bar

External air supply at

connection 14: 1,8 ... 16 bar

Ambient/Media temperature:

Solenoid actuated

-15 ... +50°C (+5 ... 122°F)

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

Materials:

Body: die-cast aluminium

Spool & sleeve: hard anodised aluminium with special PTFE coating

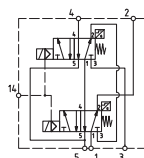
Seals: NBR

Base block: anodised aluminium

Screws: steel, blue zinc coated

Plastic parts: POM

5/2 -way safety block*1) , Solenoid pilot actuated valves

Symbol	ISO size	Port size	Actuation	Pilot supply	Nominal volume flow				Weight (kg)	Model
					1>>2	1>>4	2>>3	4>>5		
	1	G1/4	Solenoid/spring	External	1200	845	720	1040	approx. 1,6	NE/13808
	3	G1/2	Solenoid/spring	External	3440	2500	2330	3615	approx. 3,1	NE/13338

*1) consisting of: Anodised base block, 2 SXE valves with position monitoring, 2 solenoid coils and 2 connectors.

Electrical details for solenoid operators

Voltage tolerance	± 10%
Rating	100% continuous duty
Inlet orifice	1,0 mm
Electrical connection	EN 175301-803 - Form A, 30 mm
Solenoid coil mounting	90° turnable
Manual override	Push only (brass)
Protection class	IP 65 (with sealed plug)

Connector plugs - (included) Solenoid coils (included)



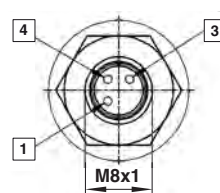
30 mm coil for connector interface acc. EN 175 301-803, form A			
	Voltage	Power Inrush/Hold	Model
	24 V DC	4 W	V10633-A33N

Electrical details for proximity switches

Supply voltage	10 ... 30 V DC
Output current	≤ 200 mA
Switching output	PNP
Output function	NO
Electrical connection	M12 x 1 - 4-pin / M8 x 1 - 3-pin

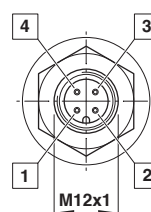
Note: The proximity switches must not be modified or replaced. Improper installation could lead to malfunction. Please contact to Norgren.

Pin assignment ISO 1



Pin Nr.	Function NE/13808
1	L + (brown)
3	M - (blue) Ground
4	Q - (black) Closer

Pin assignment ISO 3



Pin Nr.	Function NE/13338
1	L + (brown)
2	Not connected
3	M - (blue) Ground
4	Q (black) Closer

Accessories

Silencer MB002B & MB004B

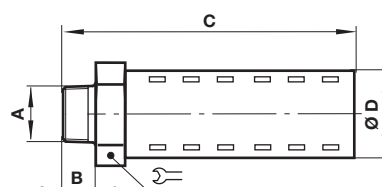
Technical data

Male thread, standard models

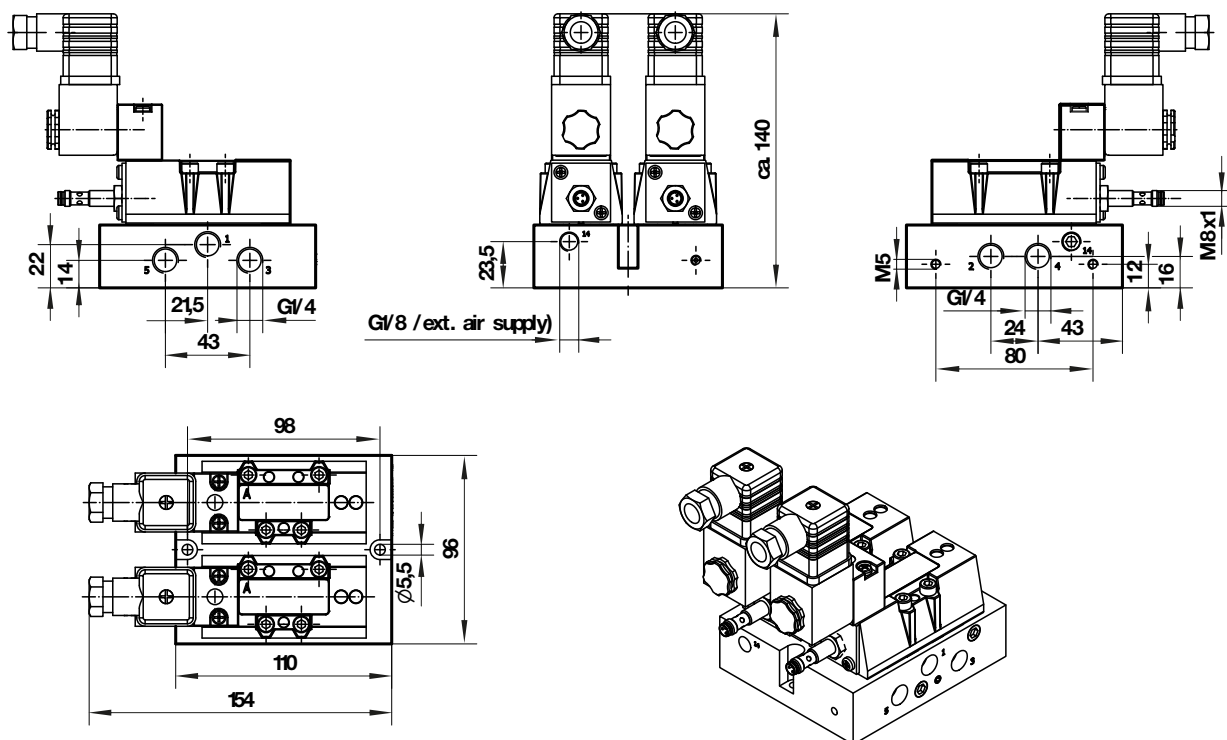
Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	R1/4	2,2	9	1,92	0,03	MB002B
	R1/2	5,49	22,4	4,78	0,09	MB004B

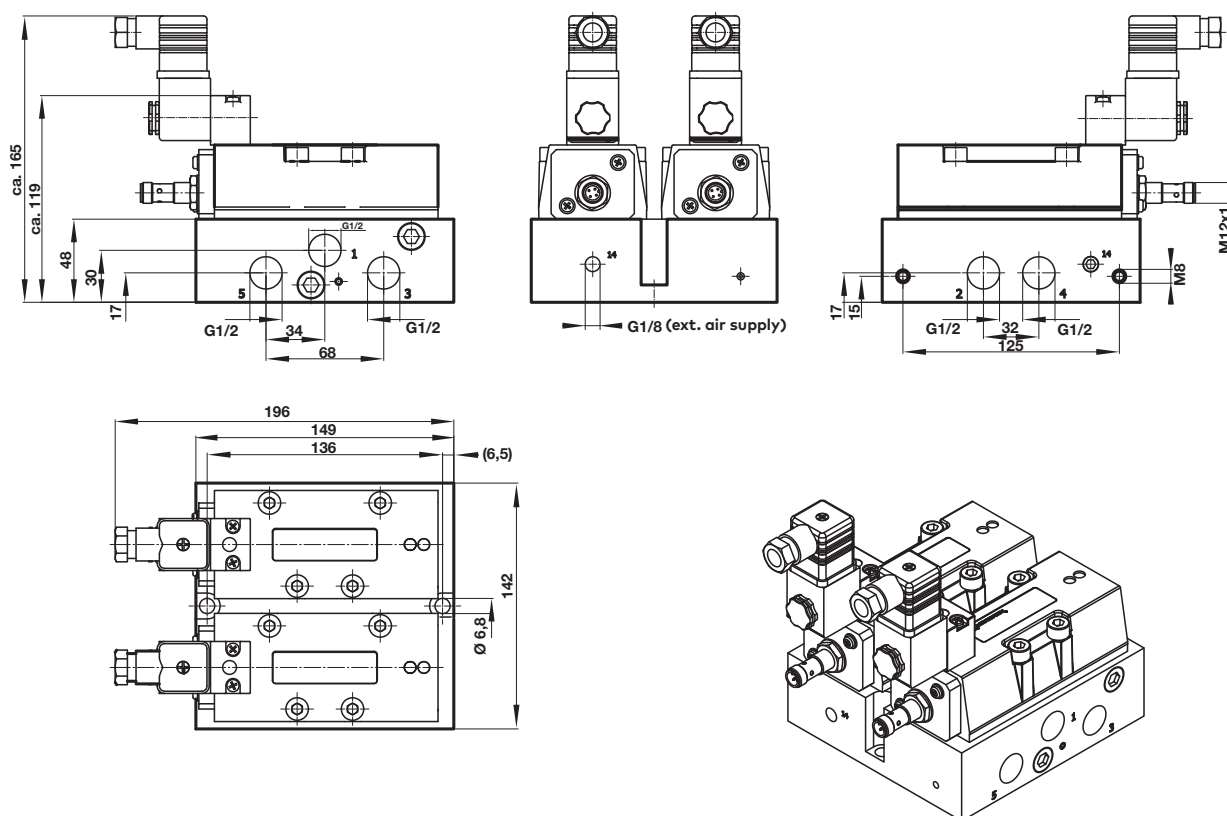
*1) Measured in dm³/(s.bar)

*2) Measured in m³/h



A	B	C	D		Model
R1/4	13	55	21	21	MB002B NE/13808
R1/2	17	92	32	32	MB004B NE/13338





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 features/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 IMI International s.r.o.

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.