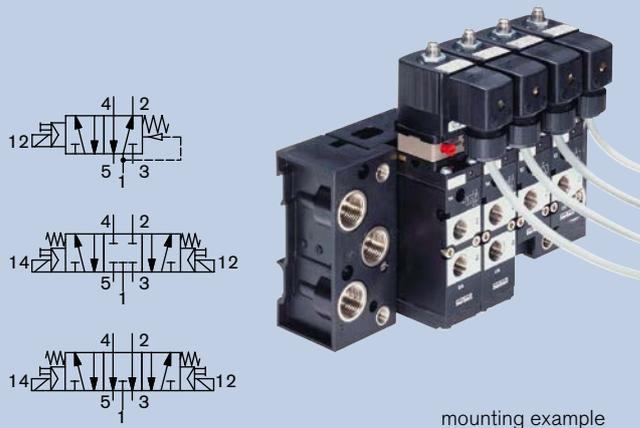


## 5/2 and 5/3-way Solenoid Valve for pneumatics, Ex m Version

### G 1/4"

- Ex m model with 3 m moulded cable
- High flow rate
- Single and manifold assembly
- High switching reliability
- Manual override as standard



mounting example

The Ex m approval is achieved by the mounting of an approved push-over coil. The cable connection and the cable are non-detachable and sealed together with the valve. The valves can be used individually or in blocks.

### Technical Data

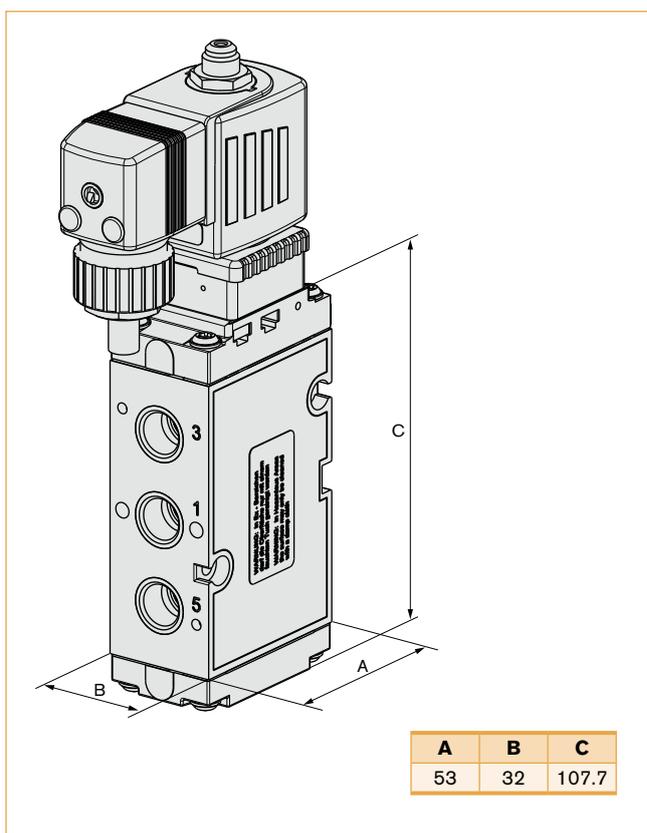
<b>Orifice</b>	DN8.0 and 9.0 mm
<b>Body materials</b>	
Pilot valve	Polyamide
Main valve	5/2-way; Polyamide, 5/3-way; Aluminium
<b>Thread insert material</b>	Brass (stainless steel on request)
<b>Seal materials</b>	NBR, NBR and PUR
<b>Pneumatic connection</b>	
Supply ports 1,3,5	Threaded port G 1/4", can also be flanged
Service ports 2 and 4	Threaded port G 1/4" (on request NPT 1/4")
<b>Electrical connection</b>	Moulded cable, 3 m (non-detachable), Terminal box on request
<b>Protection class</b>	IP65
<b>Approval</b>	Ex m II T5, II 2G, II 2D, IP65, max. surface temperature 100 °C
<b>Operating voltage</b>	24/110/230 V UC (all currents)
<b>Voltage tolerance</b>	±10%
<b>Power consumption coil</b>	3 W (100% continuous rating)
<b>Ambient temperature</b>	-25 °C to +50 °C
<b>Medium</b>	Lubricated or non-lubricated compressed air, on request neutral gases technical vacuum
<b>Environmental conditions</b>	Open air, chemical atmosphere
<b>For use in zone</b>	1, 2, 21 and 22
<b>Response times <sup>1)</sup></b>	
<b>Opening</b>	20 ms
<b>Closing</b>	50 ms

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238.

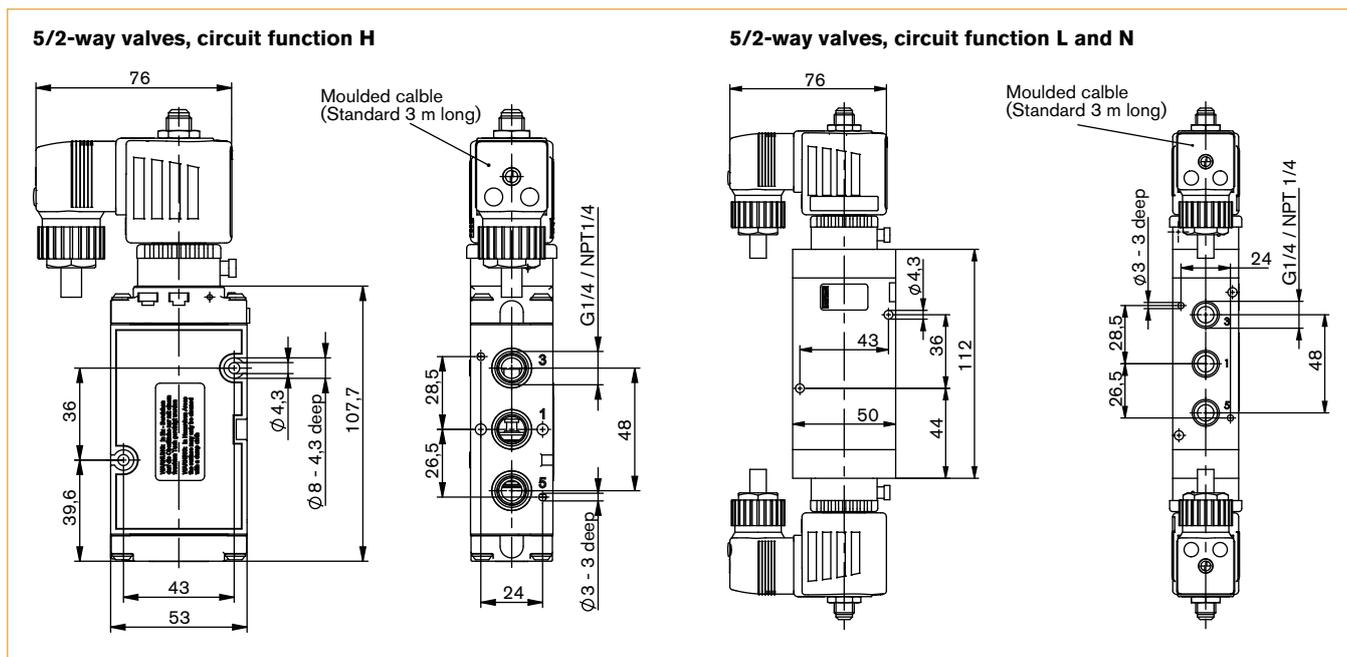
Opening: Pressure rise 0 to 90%  
Closing: Pressure drop 100 to 10%

**Note:** pneumatic modules see Type 6518

### Envelope Dimensions [mm] (see datasheet for details)



Envelope Dimensions [mm] (see datasheet for details)



6519 Ex m

### Ordering table

Circuit function	Orifice [mm]	Seal material (Body material)	Port connection threaded port [inch]	QNm-value air <sup>1)</sup> [l/min]	Pressure range <sup>2)</sup> [bar]	Mass [g]	Nominal power [W]	Voltage/frequency [V/Hz]	Item no.
<b>Type 6519 threaded version Ex m – thread insert material brass, threaded port 1, 3 and 5 can also be flanged; with moulded cable, 3 m long</b> <sup>3) 4)</sup>									
H 5/2-way valve, servo-assisted, in de-energized position port 2 pressurized, port 4 exhausted	8.0	NBR and PUR (Polyamide)	G 1/4	1300	2 - 8	700	3	024/UC	134 722
								110/UC	134 723
								230/UC	134 724
L 5/3-way valve, servo-assisted, in middle position all ports locked	9.0	NBR (Aluminium)	G 1/4	1300	3 - 10	1.100	3	024/UC	278 221
								110/UC	134 726
								230/UC	134 727
N 5/3-way valve, servo-assisted, in middle position ports 2 and 4 exhausted	9.0	NBR (Aluminium)	G 1/4	1300	3 - 10	1.100	3	024/UC	278 222
								110/UC	134 729
								230/UC	134 730

<sup>1)</sup> Flow rate: QNm value air [l/min]: Measured at +20 °C, 6 bar pressure at valve inlet, 1 bar pressure difference

<sup>2)</sup> Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure

<sup>3)</sup> Versions with terminal box on request

<sup>4)</sup> Circuit function H (5/2 way) as impulse version on request