



5/2 way Solenoid Valve for pneumatics

- Compact design
- Low power consumption
- Fast response times
- Second connection shut-off function



Product variants described in the data sheet may differ from the product presentation and description.

Can be combined with



Type 8640 ▶
Customized Pneumatic Systems Solutions for the Processing Industries



Type 8644 ▶
Remote Process Actuation Control System AirLINE



Type MKRS ▶
Redundancy valve block for safety related shut-off function



Type 8647 ▶
AirLINE SP – electro-pneumatic automation system

Type description

Type 6525 consists of a pilot flipper solenoid valve type 6144 and a pneumatic seat valve. The flipper action system enables the switching of high pressures with low power consumption and short switching times. All valves are equipped with manual emergency actuation as standard.

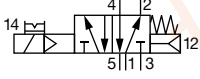
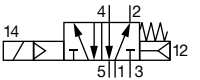
1. General technical data

Product properties	
Dimensions	Detailed information can be found in chapter "3. Dimensions" on page 4.
Material	
Seal	FKM, NBR and PUR
Body	PPS, PA
Orifice	DN 4.0
Circuit function	H Detailed information can be found in chapter "2. Circuit functions" on page 3.
Pneumatic modules	Type MP11, push-in connection Ø 6 mm
Manual override	Standard
Weight	21 g
Performance data	
Nominal operating mode	Continuous operation (100 % ED)
Switching frequency	Approx. 1000 c.p.m.
Switching times ¹⁾	Opening: < 10 ms Closing: < 10 ms
Electrical data	
Operating voltage	24 V DC ²⁾
Voltage tolerance	± 10 %
Nominal power	0.8 W
Medium data	
Medium temperature	- 10 °C...+ 50 °C
Operating medium	Lubricated, oil-free, dry compressed air, neutral gases (5 µm filter recommended)
Process/Port connection & communication	
Port connection	Flange for MP11
Electrical connection	Rectangular plug with raster 5.08 mm
Approvals and certificates	
Degree of protection	IP40 with rectangular cable plug
Protection class	3 acc. to VDE 0580
Environment and installation	
Ambient temperature	- 10 °C...+ 55 °C
Installation position	As required, preferably with actuator upright
Mounting	With 2 screws M2 x 20

1.) Measurement acc. to ISO 12238

2.) 10 % residual ripple allowed

2. Circuit functions

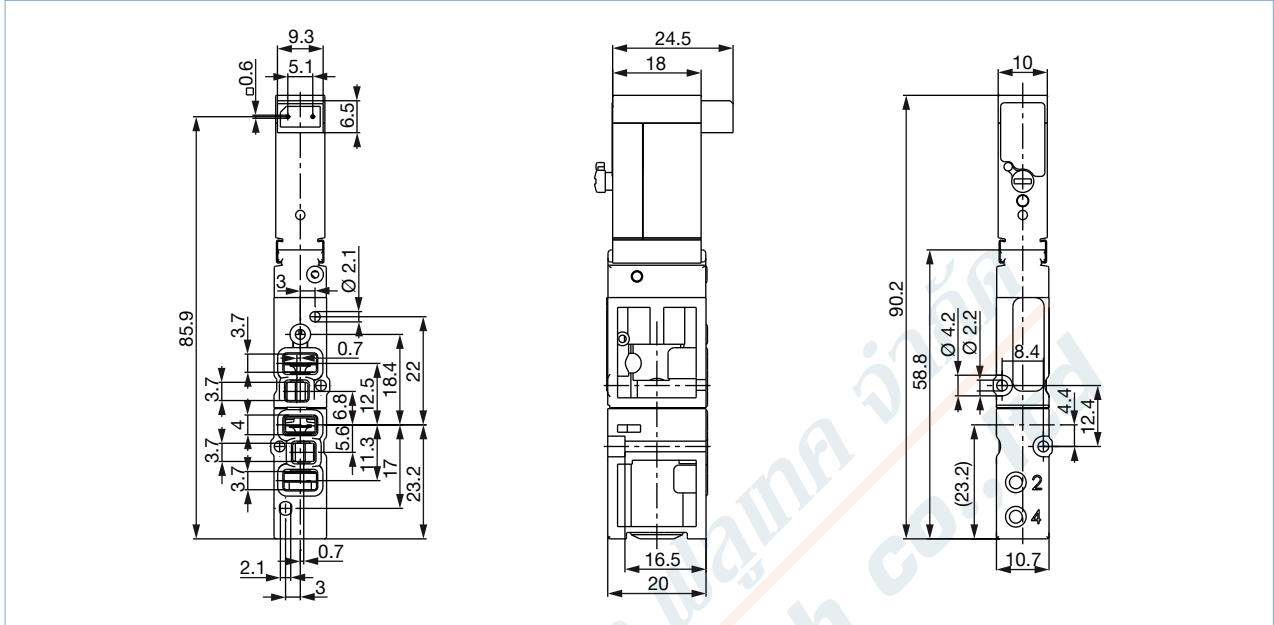
Circuit function	Description
	Type: H, solenoid valve 5/2 way Servo-controlled, pilot air and manual mode Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure.
	Type: H, solenoid valve 5/2 way Servo-controlled There is always one of the two outlet ports (2) or (4) pressurized when coil is activated.

3. Dimensions

3.1. Standard version 5/2 way

Note:

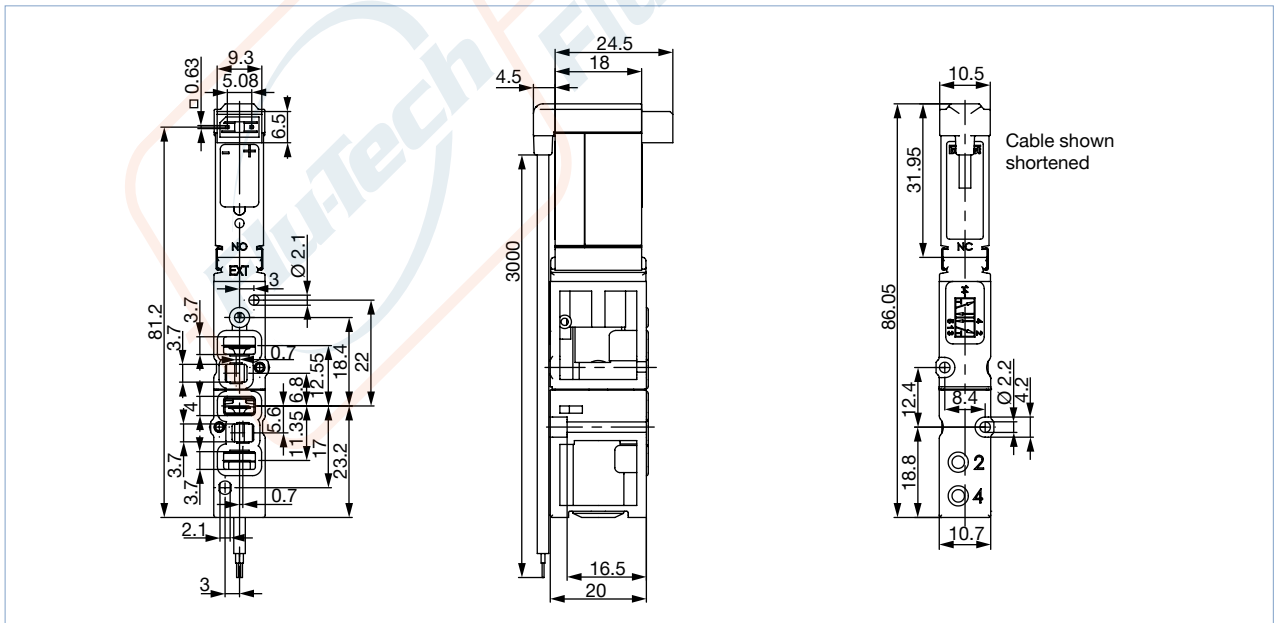
Dimensions in mm



3.2. Second connection shut-off function 5/2 way

Note:

Dimensions in mm



4. Product design and assembly

4.1. Product assembly

Standard version 5/2 way

