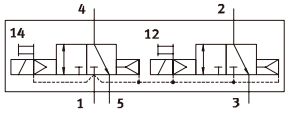
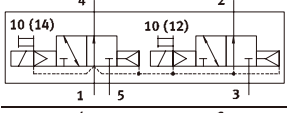
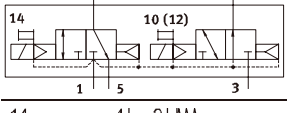

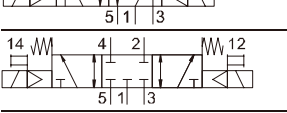

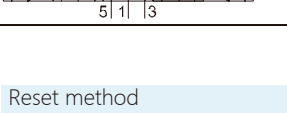
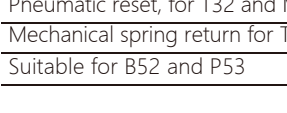




Solenoid valve FAS-L10 In-line valve

Order NO. – In-line valve M5




FAS	-	10	-	-	-
Valve structure					
In-line, single valve					L
Valve width					
10 mm					10
Valve function					
					T32C
					T32U
					T32H
					M52
					B52
					P53C
					P53U
					P53E
Reset method					
Pneumatic reset, for T32 and M52					A
Mechanical spring return for T32 and M52					M
Suitable for B52 and P53					-
Pilot pneumatic source					
Internal					-
External					Z

Connection cable	
N1...4	M8x1, 3Pin 
Electrical connection	
M8	Single plug M8, 3 Pin 
Exhaust, for FAS-L	
U	Muffler
-	M5 thread size
Port interface	
M5	M5 thread size
Q3	Push-in connector 3 mm/M5
Q4	Push-in connector 4 mm/M5

Solenoid valve FAS-L10 In-line valve M5

Technical Parameters

Function
 2x3/2C, 2x3/2U, 2x3/2H
 2-position 5-way valve,
 single electric control
 2-position 5-way valve,
 double solenoid
 5/3C, 5/3U, 5/3E

-  Valve width 10 mm
-  Flow 125 ... 220 l/min
-  Operating voltage 5, 12 and 24 V DC



The main technical parameters

Valve function	T32-A	T32-M				M52-A	B52	M52-M	P53	
Normal position	C ¹⁾ U ²⁾ H ⁴⁾	C ¹⁾	U ²⁾	H ⁴⁾	-	-	-	C ¹⁾ U ²⁾ E ³⁾		
Stable position	Single electric control						Double electric control	Single electric control	Single electric control	
Reset method: Pneumatic reset	Yes	No				Yes	-	No	No	
Reset method: Mechanical spring return	No	Yes				No	-	Yes	Yes	
Port 1 vacuum operated	No	When using external pilot only								
Design	Piston slide valve									
Sealing principle	Soft seal									
Drive mode	Electric									
Control method	Pilot control									
Pilot pneumatic source	Internal or external									
Exhaust function	With flow control									
Rated flow	[l/min]	150	135	125	125	220		190	210	
Flow on circuit board	[l/min]	150	135	125	125	220		190	210	
Switching time On/Off	[ms]	6/16	8/11					-	8/24	10/30
Transition time	[ms]	-						7	-	16
Valve width	[mm]	10								
Port	1, 2, 3, 4, 5 12/14	M5 M3								
Product weight	[g]	55	54				45	55	44	55
Certified		c UL us - Certification (OL) c CSA us - Certification (OL)								
CEFlags (see Declaration of Conformity)		Conforms to EU EMC guidelines								
Corrosion resistance grade CRC		2								

- 1) C = Always closed / Mid-position closed
- 2) U = Normally open / Mid-position pressurised
- 3) E = Mid-position exhausted
- 4) H = 2x2-position 3-way valve is integrated into one housing, 1x normally closed and 1x normally open

Solenoid valve FAS-L10 In-line valve M5

Technical Parameters

Working and environmental conditions							
Valve function			T32-A ¹⁾	T32-M ²⁾	M52-A	B52	M52-M P53
Working medium	Compressed air according to ISO 8573-2010 [7:4:4]						
Work pressure	Inner	[bar]	1.5 ... 8	2.5 ... 8	2.5 ... 8	1.5 ... 8	3 ... 8
	Outer	[bar]	1.5 ... 10	-0.9 ... 10			-0.9 ... 8 -0.9 ... 10
Pilot pressure ³⁾		[bar]	1.5 ... 8	2 ... 8	2.5 ... 8	1.5 ... 8	3 ... 8
Ambient temperature		[°C]	-5 ... +50, -5 ... +60 , with reduced hold current function				
Medium temperature		[°C]	-5 ... +50, -5 ... +60 , with reduced hold current function				

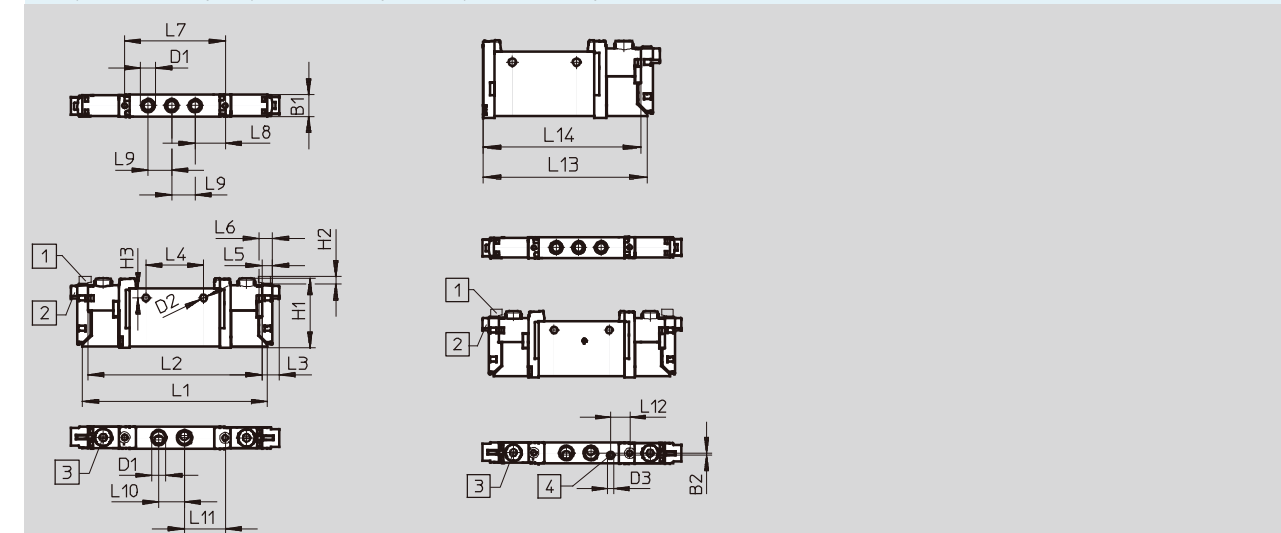
- 1) Pneumatic reset
- 2) Mechanical spring return
- 3) Minimum pilot pressure is 50% of working pressure

Electrical parameters		
Electrical connection	M8 connector	
Working voltage	[V DC]	5, 12 and 24±10%
Power	[W]	1, reduced to 0.35 by reducing hold current function
Continuous energization rate ED	[%]	100
Protection class according to EN 60529	IP40 (with socket), IP65 (for M8)	

Material	
Case	Wrought aluminum alloy
Seals	HNBR, NBR
Material Precautions	RoHS compliant

Size

2x2-position 3-way, 2-position 5-way and 3-position 5-way valves



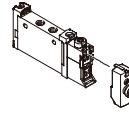
- 1) Vertical electrical connector 2) Horizontal electrical connector 3) Manual override 4) Connection for external pilot air supply

Type	B1	B2	D1	D2	D3	H1	H2	H3	L1	L2	L3	L4
FAS-L-10 -...-M5...	10.2	-	M5	3.2	M3	32.5	3.6	4.4	86.5	81.5	8	27

Type	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14
FAS-L-10 -...-M5...	4.85	6.15	47	14	11	12	19	-	69.2	66.7

Solenoid valve FAS-L10 In-line valve M5

Order data

Order data			
Description	Order NO.	Type	
In-line valve M5 with M8 connector			
2x2-position 3-way valve			
 Internal, pilot pneumatic source	Normally closed, reset method: Pneumatic reset	8100101058	FAS-L10-T32C-AT-M5-M8
	Normally open, reset method: Pneumatic reset	8100201058	FAS-L10-T32U-AT-M5-M8
	1x normally open, 1x normally closed, reset method: Pneumatic reset	8100301058	FAS-L10-T32H-AT-M5-M8
	Normally closed, reset method: Mechanical spring reset	8100102058	FAS-L10-T32C-MT-M5-M8
	Normally open, return mode: Mechanical spring return	8100202058	FAS-L10-T32U-MT-M5-M8
	1x normally open, 1x normally closed, return mode: Mechanical spring return	8100302058	FAS-L10-T32H-MT-M5-M8
2-position 5-way valve, single solenoid			
Internal, pilot pneumatic source	Return mode: Mechanical spring return	8100402058	FAS-L10-M52-MT-M5-M8
2-position 5-way valve, double electric control			
Internal, pilot pneumatic source		8100500058	FAS-L10-B52-T-M5-M8
3-position 5-way valve			
Internal, pilot pneumatic source	Mid-position closed	8100600058	FAS-L10-P53C-T-M5-M8
	Mid-position pressurised	8100800058	FAS-L10-P53E-T-M5-M8
	Mid-position exhausted	8100700058	FAS-L10-P53U-T-M5-M8