




Valve terminal FV , with multi-pin plug and fieldbus connection

Technical specifications - Plate valve G 1/8

Function

3/2C, 3/2U
2x3/2C, 2x3/2U, 2x3/2H
2-position 5-way valve,
Single electronic control
2-position 5-way valve,
Double electronic control
5/3C, 5/3U, 5/3E

-  Width 14 mm
-  Flow
350 ... 560 l/min
-  Operating voltage
24 V DC



The main technical parameters

Valve function	T32-A	T32-M	M32-A	M52-A	B52	M52-M	P53
Normal position	C ¹⁾ U ²⁾ H ⁴⁾	C ¹⁾ U ²⁾ H ⁴⁾	C ¹⁾ U ²⁾	-	-	-	C ¹⁾ U ²⁾ E ³⁾
Stable position	Single electronic control				Double electronic control	Single electronic control	
Reset method: Pneumatic reset	Yes	No	Yes	Yes	-	No	-
Reset method: Mechanical spring return	No	Yes	No	No	-	Yes	-
Port 1 vacuum operated	No	When using external pilot					
Design	Piston slide valve						
Sealing principle	Soft seal						
Drive mode	Electric						
Control method	Pilot control						
Pilot pneumatic source	External						
Exhaust function	With flow control						
Toggle position display	LED						
Standard rated flow G18 [l/min]	530	470	350	550	560	550	510
Flow G18 on the pneumatic circuit board, front [l/min]	490	440	320	500	510	500	470
Flow G18 on air way plate; bottom [l/min]	530	470	350	550	560	550	510
Valve width [mm]	14						
Port	1, 3, 5, 12/14, 82/84						
	2, 4						
Product weight [g]	102	100	91		98	89	95
Certified	c UL us - certified (OL)						
	c CSA us (OL)						
CE marking (see declaration of conformity)	Conforms to EU EMC guidelines						
Corrosion resistance grade CRC	2						

- 1) C = Normally closed/Mid-position closed
2) U = Normally open/Mid-position pressurised
3) E = Mid-position exhausted
4) H=2x 2-position 3-way valve integrated in one shell, 1x normally closed and 1x normally open

Working and environmental conditions

Valve function	T32-A ¹⁾	T32-M ²⁾	M32	M52-A ¹⁾	B52	M52-M ²⁾	P53
Working medium	Compressed air according to ISO 8573-1:2010 [7:4:4]						
Work pressure Internal pilot pneumatic supply [bar]	1.5 ... 8	3.5 ... 8	2.5 ... 8	2.5 ... 8	1.5 ... 8	3 ... 8	3 ... 8
Outer pilot [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	2.5 ... 8	1.5 ... 8	3 ... 8	3 ... 8
Ambient temperature [°C]	-5 ... +60						
Medium temperature [°C]	-5 ... +60						

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

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Electrical parameters

Electrical connections	Drop-in	
Working voltage [V DC]	24 ±10%	
Power [W]	1/ 0.4 (25 ms later)	
Continuous energization rate ED [%]	100	
Maximum switching frequency [Hz]	3	
Protection class according to EN 60529	IP67	

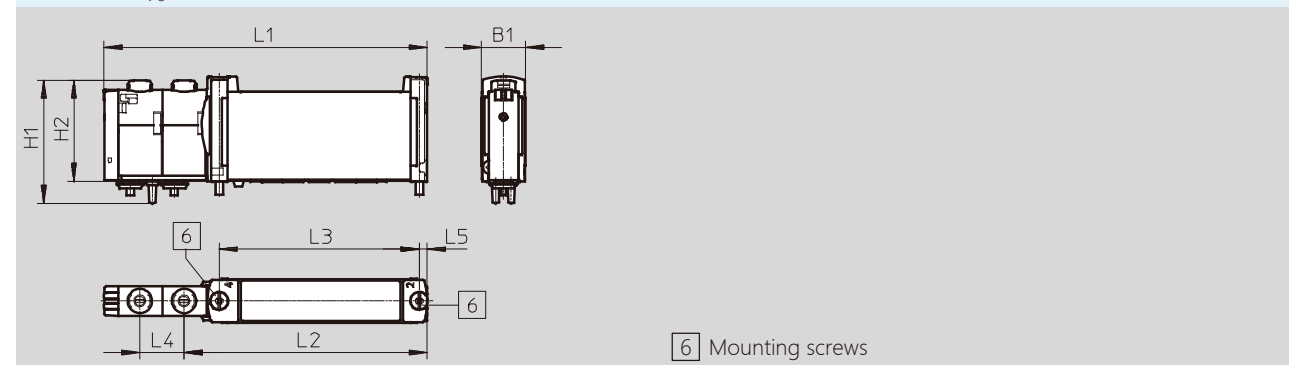
Valve switching time

Valve function	T32-A ¹⁾	T32-M ²⁾	M32	M52-A ¹⁾	B52	M52-M ²⁾	P53
Switch time, on [ms]	10	13	13	13	-	10	15
Switch time, off [ms]	29	21	20	26	-	38	42
Conversion time [ms]	-	-	-	-	9	-	25

- 1) Pneumatic reset
2) Mechanical spring return

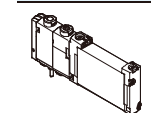
Size

Plate valve G 1/8



Type	B1	H1	H2	L1	L2	L3	L4	L5
FAS-B14-...	14.7	40.9	33.5	107.6	81	66.5	14.7	2.8

Ordering data

	Illustrate	Order NO.	Type
Plate valve G 1/8			
	2x2-position 3-way valve		
	External, pilot pneumatic source	Normally closed, reset method: Pneumatic reset	814011180 FAS-B14-T32C-AZ
		Normally open, reset method: Pneumatic reset	814021180 FAS-B14-T32U-AZ
		1x normally open, 1x normally closed, reset method: Pneumatic reset	814031180 FAS-B14-T32H-AZ
		Normally closed, reset method: Mechanical spring reset	8140112180 FAS-B14-T32C-MZ
		Normally open, return mode: Mechanical spring return	8140212180 FAS-B14-T32U-MZ
	1x normally open, 1x normally closed, return mode: Mechanical spring return	8140312180 FAS-B14-T32H-MZ	
2-position 5-way valve, Single electronic control			
External, pilot pneumatic source	Return mode: Pneumatic reset	814041180	FAS-B14-M52-AZ
	Return mode: Mechanical spring return	8140412180	FAS-B14-M52-MZ
2-position 5-way valve, Double electronic control			
External, pilot pneumatic source		8140510180	FAS-B14-B52-Z
3-position 5-way valve			
External, pilot pneumatic source	Mid-position closed	8140610180	FAS-B14-P53C-Z
	Mid-position pressurised	8140710180	FAS-B14-P53U-Z
	Mid-position exhausted	8140810180	FAS-B14-P53E-Z