

SOLENOID VALVE

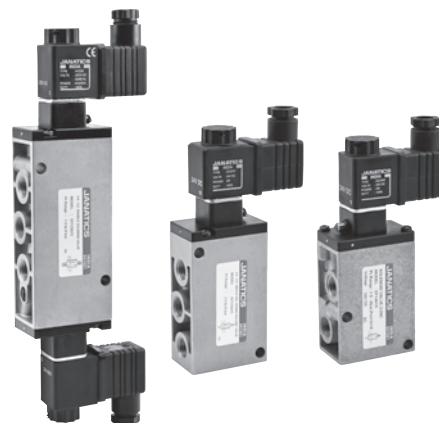
Poppet Type - Series EF

Cat No EF - 01 - 01 - A

POPPET TYPE - G1/4

Features

- ☐ 3/2 NO & NC, 5/2 Spring return and 5/2 Double solenoid
- ☐ No lubrication required
- ☐ Suitable for dirty / dusty environment
- ☐ Mounting provision for individual unit
- ☐ Manual override - (Push, Turn and Lock)
- ☐ Wide range of coil voltages - 12, 24, 48, 110, 220
- ☐ Suitable for manifold mounting (M006, M007, M008 Series)
- ☐ Solenoid coil can be rotated by 360°



Technical Specifications

Model	NO - EF13615 NC - EF14615	EF115615	EF125615
Type	3/2 Spring return	5/2 Spring return	5/2 Double solenoid
Design	Poppet		
Port size	Inlet (1), Outlet (2), Exhaust (3) - G1/4	Inlet (1), Outlet (2, 4), Exhaust (3, 5) - G1/4	
Medium	Compressed air - Filtered - Lubricated / Unlubricated		
Working pressure range	1.5 to 10 bar	2.2 to 10 bar	1.5 to 10 bar
Recommended oil for lubrication	ISO VG32 (Servo system 32)		
Ambient temperature	-10° to +60° C		
Medium temperature	+5° to +50° C		
Flow @	1000 lpm	1000 lpm	1100 lpm
Materials of construction	Aluminium, Nitrile, PU, Brass, Acetal, PBT, Zinc, Steel		
Product weight	0.390 Kg	0.340 Kg	0.450 Kg
Electrical			
Coil width	22 mm		
Voltage (V) ± 10%	AC (50 Hz) - 24, 48, 110, 220		
	DC - 12, 24, 48, 110		
Power consumption	AC - 6 VA, DC - 5 W		
Duty cycle	Continuous		
Class of insulation	Class F		
Type of coil protection	IP65		
Cable entry	PG9 (Suitable for Ø6 - Ø8 OD cable (2wire/3wire))		
Response time ON	14 ms	10 ms	10 ms
Response time OFF	40 ms	47 ms	NA

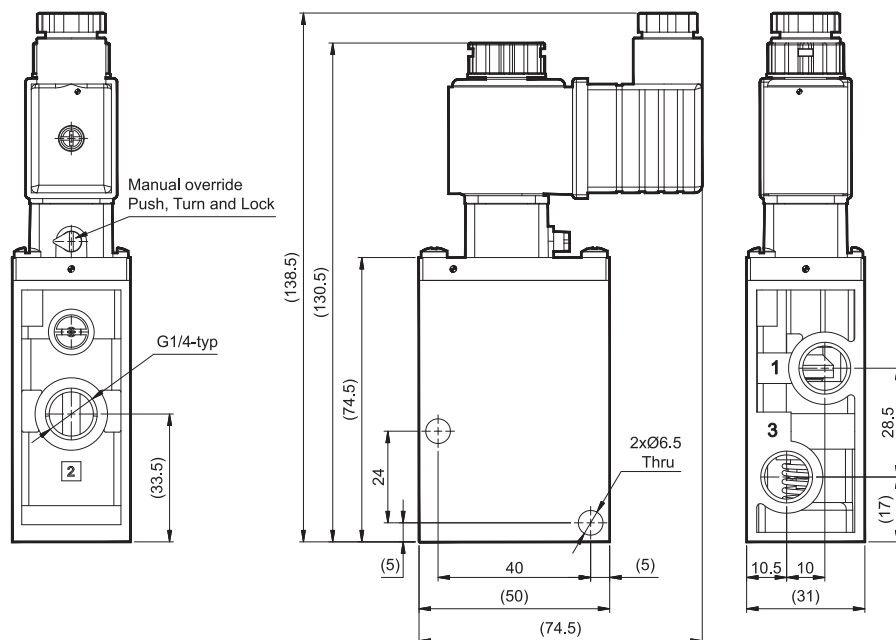
@ - Inlet pressure at 6 bar, and pressure drop at 1 bar

SOLENOID VALVE

Poppet Type - Series EF

Cat No EF - 01 - 01 - A

3 / 2 Single solenoid spring return valve - Normally Opened

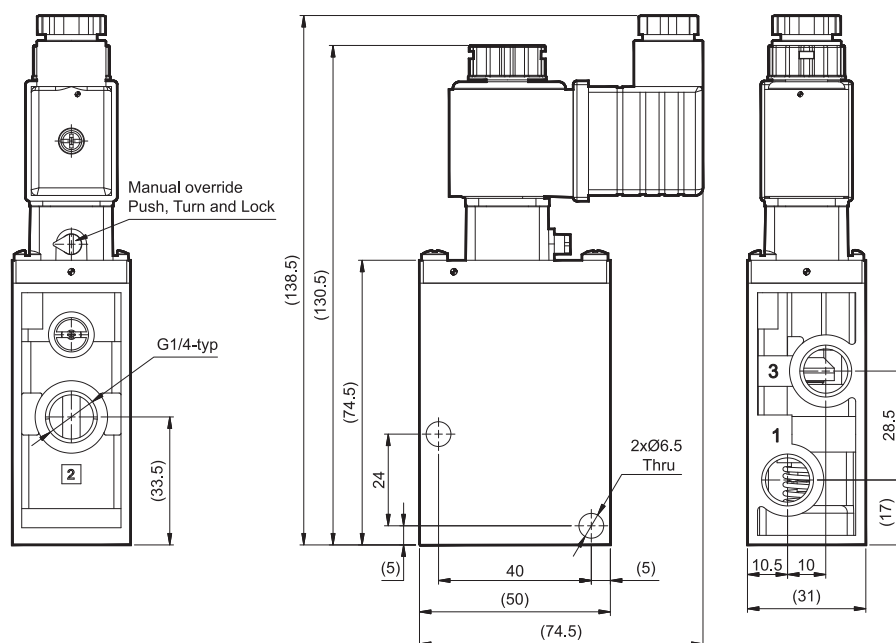


1 - Inlet, 2 - Outlet, 3 - Exhaust

Ordering No*	EF13615
Type	Normally open
Symbol	

* For ordering No, voltage to be added

3 / 2 Single solenoid spring return valve - Normally Closed



1 - Inlet, 2 - Outlet, 3 - Exhaust

Ordering No*	EF14615
Type	Normally closed
Symbol	

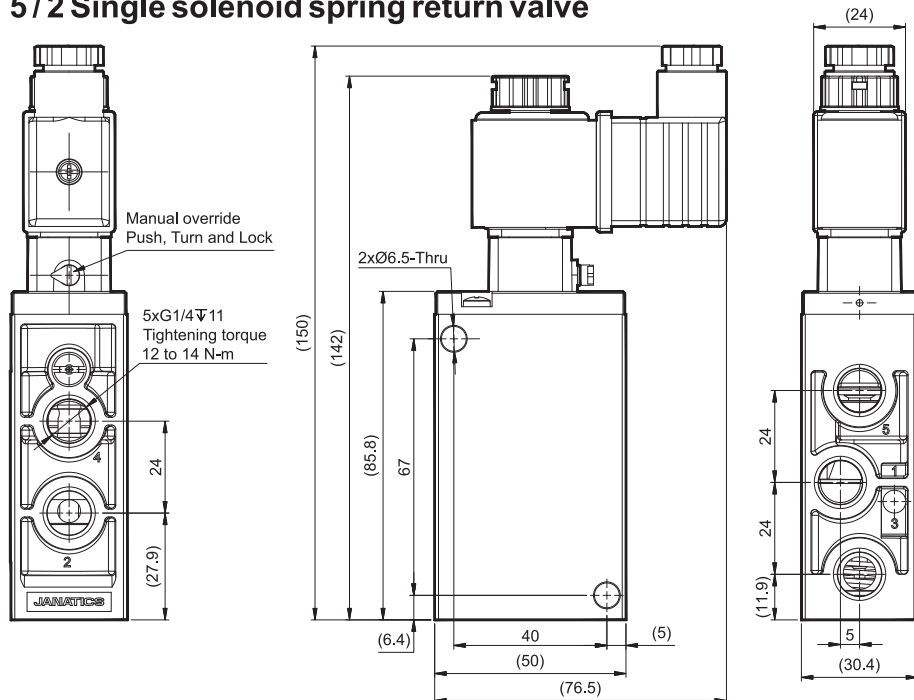
* For ordering No, voltage to be added

SOLENOID VALVE

Poppet Type - Series EF

Cat No EF - 01 - 01 - A

5/2 Single solenoid spring return valve

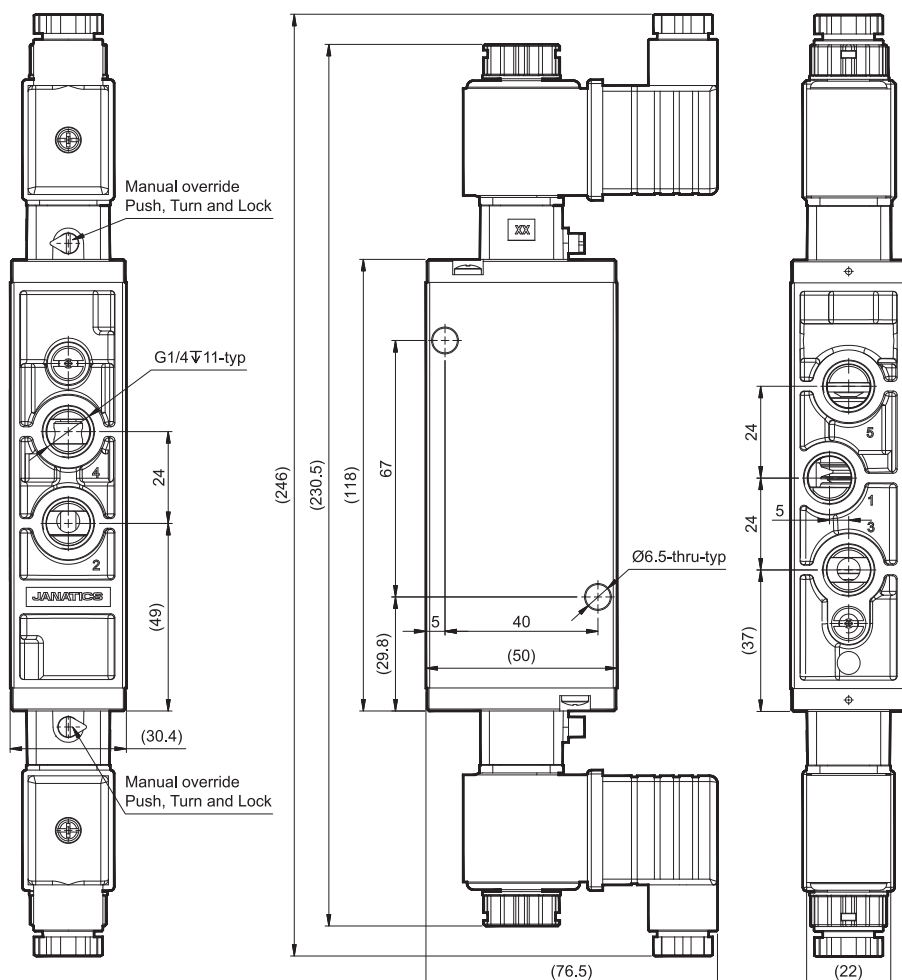


1 - Inlet, 2, 4 - Outlet, 3, 5 - Exhaust

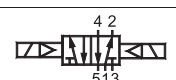
Ordering No*	EF115615
Symbol	

* For ordering No, voltage to be added

5/2 Double solenoid valve



1 - Inlet, 2, 4 - Outlet, 3, 5 - Exhaust

Ordering No*	EF125615
Symbol	

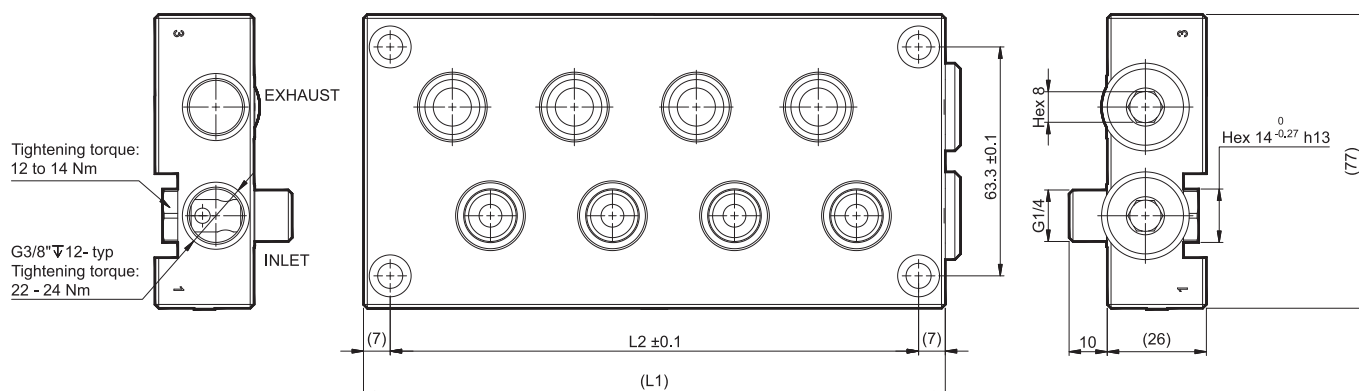
* For ordering No, voltage to be added

SOLENOID VALVE

Poppet Type - Series EF

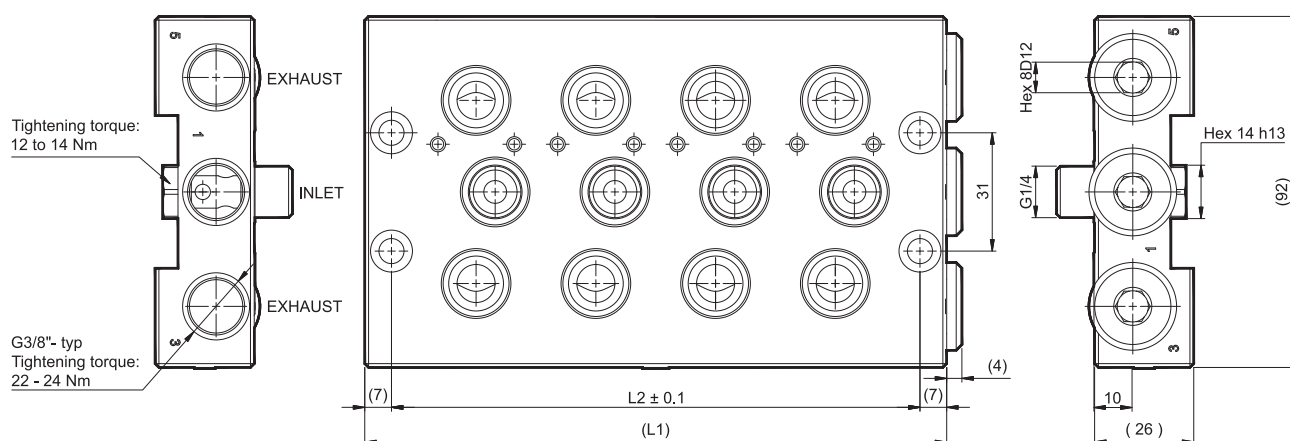
Cat No EF - 01 - 01 - A

Manifold - Type M008 (For 3/2)



Number of valves	L	L1	Ordering no.
2	89.8	75.8	M0080202
4	152.6	138.6	M0080204
6	215.4	201.4	M0080206
8	278.2	264.2	M0080208

Manifold - Type M006 (For 5/2)



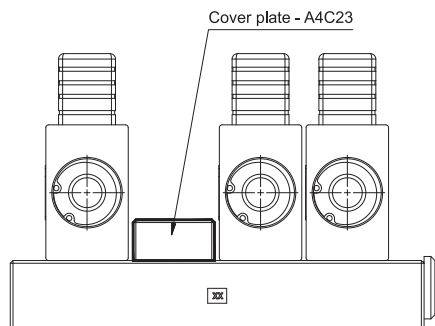
Number of valves	L	L1	Ordering no.
2	89.8	75.8	M0060202
4	152.6	138.6	M0060204
6	215.4	201.4	M0060206
8	278.2	264.2	M0060208

SOLENOID VALVE

Poppet Type - Series EF

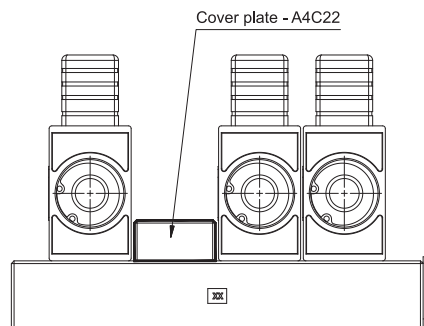
Cat No EF - 01 - 01 - A

Cover Plate - Type M008 (For 3/2)



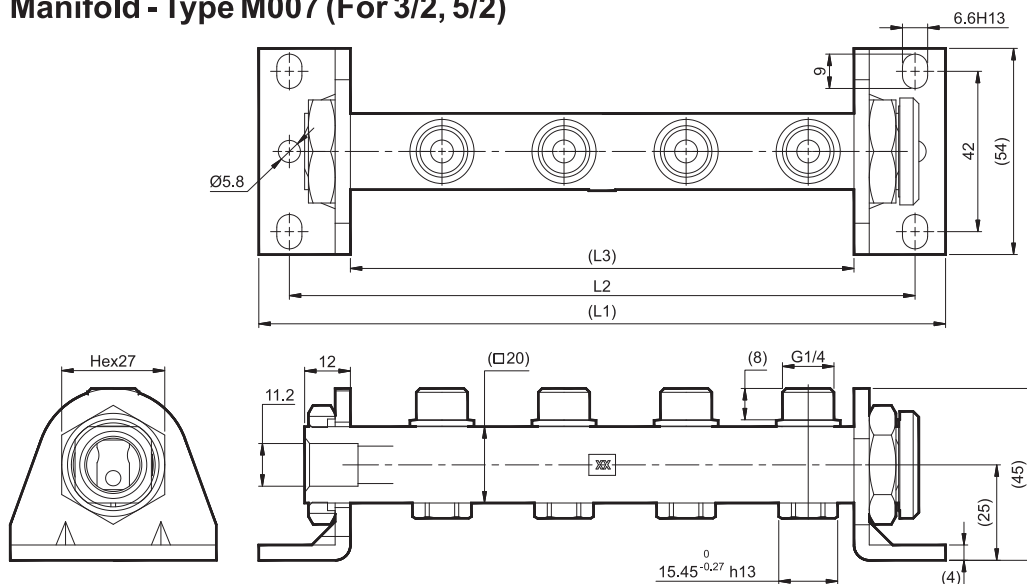
Part name	Ordering No
Cover plate	A4C23

Cover Plate - Type M006 (For 5/2)



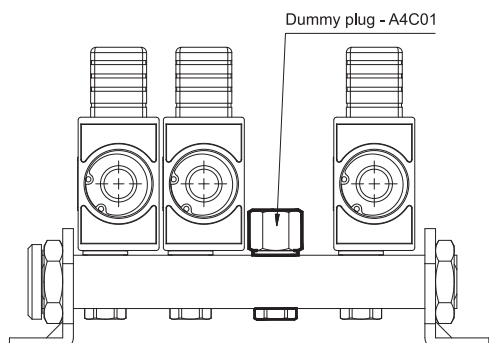
Part name	Ordering No
Cover plate	A4C22

Manifold - Type M007 (For 3/2, 5/2)



Number of valves	L	L1	L3	Ordering no.
2	116	100	68	M0070202
4	180	164	132	M0070204
6	244	228	196	M0070206
8	308	292	260	M0070208

Dummy Plug - Type M007 (For 3/2 & 5/2)



Part name	Ordering No
Dummy plug	A4C01

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How to order

1. Solenoid valve + “Connectors without LED”

While ordering Solenoid operated valves, please mention the suffix given below along with the model number to indicate the required voltage

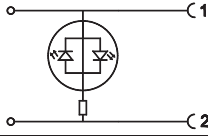
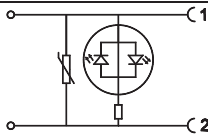
A	220V AC	Q	110V DC
B	110V AC	S	48V DC
D	48V AC	W	24V DC
G	24V AC	R	12V DC

Ordering Example:

- The ordering no. for 3/2 Normally Opened Single solenoid valve, 24V D.C coil with PG cable is **EF13615W**
- The ordering no. for 3/2 Normally Opened Single solenoid valve, 24V D.C coil with Moulded cable is **EF13615W1**

2. Solenoid valve + “Connectors with LED”

While ordering Solenoid operated valves with LED connectors, given below in the corresponding tables.

W		T1		R		1	
Voltage		Housing Colour & Indication		LED colour		Connection type	
A	220V AC	T0		R	Red	0	PG Cable entry
G	24V AC		Transparent housing with Bipolar LED indicator confirming supply voltage			1	Moulded cable (with 2metre length)
W	24V DC	T1					
			Transparent housing with Bipolar LED indicator confirming supply voltage plus varistor to give over voltage protection to the source and load				

Ordering Example:

The ordering no. for 3/2 Normally Opened Single solenoid valve, 24V DC, connectors with LED of Transparent colour housing with Bipolar LED and varistor, Red colour LED with moulded cable: **EF13615WT1R1**

Coil spare ordering no.

Coil (without connector)	Ordering no.	
	AC	DC
220	AC23A	- NA -
110	AC23B	DC24Q
48	AC23D	DC24S
24	AC23G	DC24W
12	- NA -	DC24R