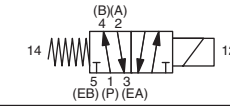
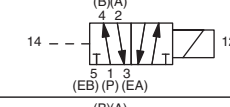
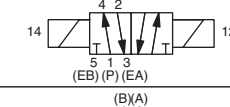



**ESS3PGMZ-5-120/60** (Voltage: e.g. 120/60, 24 vdc)

1 Operator Style		
Code	Description	Symbol
ESO	Single solenoid, 2-position, spring return. Spool returns to position "C" when solenoid is de-energized.	
ESR	Single solenoid, 2-position, pilot returned spool. Spool returns to position "C" from auxiliary control valve furnished by the user.	
ESS	Double solenoid, 2-position, friction position. Spool shifts and remains shifted when one solenoid or the other is momentarily or continuously energized.	
ESY	Double solenoid, 3-position, spring centered. Spool returns to center, position "B", when both coils are de-energized.	

2 Body Style	
<b>Side Ported</b>	
2	1/4" NPTF
3	3/8" NPTF
4	1/2" NPTF
6	3/4" NPTF
8	1" NPTF
12	1-1/2" NPTF
<b>Subplate Mounted</b>	
3P	3/8" flow
4P	1/2" flow
8P	1" flow
16P	1-1/2" flow

**3 Spool Configuration** (Normally on 3-position valves, 2-position valves use a closed center spool)

blank = Closed cross over, all ports are blocked in the center position.  
 D = Regenerative center, ports 2 & 4 are connectect to port 1, ports 3 & 5 are blocked.  
 G = Float center, port 2 is connected to port 3, port 4 is connected to port 5, port 1 is blocked.

**4 Solenoid Operator Form**

blank = Standard "DIN" style solenoid coil with 11mm/Industrial Form B pin pattern.  
 A = Intrinsically safe solenoid operator and coil with non-indicator, cord grip style DIN cap.  
 H = 30 mm DIN for high temperature applications.  
 J = Mold-Over coil, with 1/2"-14 NPT conduit connection.  
 M = Flying lead solenoid coil, with 18" leads.  
 X = Explosion proof solenoid coil.

**5 Valve Options**

blank = No options selected.  
 C = Side solenoid exhaust (can not be combined with option "L").  
 I = Non-threaded spool indicator pin (available only on models ESO2, ESO3, ESO3P).  
 K = Threaded spool indicator pin (available only on models ESO2, ESO3, ESO3P).  
 L = Sintered bronze dust excluder on solenoid exhaust (can not be combined with option "C").  
 O = Locking manual solenoid override.  
 OS = Manual main spool override (available only on models ESO2, ESO3, ESO3P).  
 Q = 2-postion spool detent (available only on models ESR & ESS with limited body styles).  
 U = Factory installed muffler/flow controls in ports 3 and 5 (body styles 2, 3 & 4 only).  
 Z = Factory assembled for "External Pilot" operation.

**6 Valve O-Ring Option** (Only applies to valve body O-Rings)

blank = Viton for body styles 2, 3 & 3P, Buna-N for body styles 4, 6, 8, 12, 4P, 8P & 16P.  
 -1 = Neoprene for freon (-40°F to 225°F).  
 -2 = Silicon (-80°F to 400°F).  
 -3 = Viton for most aromatic gases (-20°F to 400°F, 600°F for short time).  
 -4 = Butyl Rubber (-60°F to 200°F).  
 -5 = Teflon (-250°F to 450°F).  
 -7 = Urethane, 70 Durometer (-65°F to 200°F).  
 -9 = Buna-N (-40°F to 250°F).