

B5 Series

B5 1 1 B B 5 49 - C

Basic series
B5 series **B5**

Engineering level
C **Current**
 CL CSA Current

Operator function	
3-way	
Single solenoid, 2-position NC - air return	G
Single solenoid, 2-position NO - air return	H
Double solenoid, 2-position	J
Single remote pilot, 2-position NC - air return	K*
Single remote pilot, 2-position NO - air return	L*
Double remote pilot, 2-position	M*
Single solenoid, 2-position NC - air return / spring assist	V
Single solenoid, 2-position NO - air return / spring assist	W
Single remote pilot, 2-position NC - air return / spring assist	X*
Single remote pilot, 2-position NO - air return / spring assist	Y*
4-way	
Single solenoid, 2-position - air return	1
Double solenoid, 2-position	2
Single remote pilot, 2-position - air return	3*
Double remote pilot, 2-position	4*
Double solenoid, 3-position - APB	5
Double solenoid, 3-position - CE	6
Double solenoid, 3-position - PC	7
Double remote pilot, 3-position - APB	8*
Double remote pilot, 3-position - CE	9*
Double remote pilot, 3-position - PC	0*
Single solenoid, 2-position - air return / spring assist	E
Single remote pilot, 2-position - air return / spring assist	F*

Options	
Blank	None
02	Solenoid rotated 180° - pins down
MD††	Manual detent

†† Only available with operator function 1 & 3 and Enclosure "N", "X" or mobile voltages upon request.

	AC		DC
	60Hz	50Hz	
42	24	22	
45			12
49			24
53	120	110	
57	240	230	
XX	Remote pilot - M5 or valve less solenoid		
YY	Remote pilot - 5/32" (4mm) tube		

Enclosure / lead length	
0	None, remote pilot valve
5	15mm 3-pin DIN 43650C (male only)
A	30mm square 3-pin - ISO 4400 form A (male only)
B	22mm rectangular 3-pin - type B industrial (male only)
C	3-pin automotive - mini
D	5-pin automotive - mini
E*	Intrinsically safe - 30mm 3-pin
F**	Hazardous duty 1/2" NPT conduit - 18" leads
G	Grommet - 18" leads
H	1/2" NPT conduit - 18" leads
N	Valve less "A - R" coil
Q†	Grommet - 72" leads
R	1/2" NPT conduit - 72" leads
X	Valve less 15mm solenoid

* 24 VDC & override "A" only.
 ** 12 VDC, 24 VDC, 120 VAC or 240 VAC.
 † 24 VDC only.

* Pilot source/pilot exhaust, override, and enclosure must be "0".

Port Size / Thread Type	
3-way	
1/4" NPT inline	1*
3/8" NPT inline	2*
1/4" BSPP "G" inline	6*
3/8" BSPP "G" inline	7*
4-way	
1/4" NPT inline	1*
3/8" NPT inline	2*
1/4" BSPP "G" inline	6*
3/8" BSPP "G" inline	7*
3/8" NPT subbase	J†
1/4" NPT NAMUR mount	T††
Subbase valve less base	V‡
1/4" BSPP "G" NAMUR mount	W††

Pilot Source / Pilot Exhaust	
Enclosures "0, 5 & X"	
None, remote pilot valve	0
Internal - port #1 / vented	B†
Dual pressure - port #3 / vented	E*
External - body / tapped M5	K†
External - manifold / vented	X†
Enclosures "A, B, C, D, E, F, G, H, N, Q & R"	
Internal - port #1 / tapped M5	A†
Internal - port #1 / vented	B†
Dual pressure - port #3 / tapped M5	D*†
External - body / tapped 1/8"	K†

* Not available for 3-way valves.
 † Not available for remote pilot valves.
 ‡ See pilot source note below.

Overrides§	
None. Remote pilot valve	0
No override	A†
Flush - non-locking	B*
Flush - locking	C
Extended - non-locking	D
Extended - locking	E*
Valve less 15mm solenoid	X

* Only available with encl. "5".
 † Only available with encl. "E".

* Available for use on IEM manifolds.
 † 4-way only includes base.
 ‡ Available with pilot source "0", "A", and "B" only.

Pilot Source 'X'
 External-Manifold / Vented or Tapped M5

INLINE & SUBBASE Valves -
 Only used IF an IEM Aluminum Bar Manifold requires a common external pilot signal through the manifold for low pressure / vacuum applications.

§ Enclosure '5' - Override / Voltage Availability
 S - Standard
 O - Option

Voltage code	Override code Standard				Voltage code	Override code "02" Option			
	B	C	D	E		B	C	D	E
42	O	O	-	-	42	O	O	-	-
45	O	O	-	-	45	O	O	-	-
49	S	S	O	O	49	S	S	O	O
53	S	S	O	O	53	S	S	O	O
57	O	O	-	-	57	O	O	-	-

Most popular.



For inventory, lead times, and kit lookup, visit www.pdnplu.com