FARNELL IN ONC



A range of general purpose, monostable, pull action solenoids designed to give a range of force/size ratios. AC and DC types are externally identical but the AC types in Series 41, 42, 43 and 44 are fitted with a copper shading ring to reduce AC vibration noise. The coils are all continuously rated at the stated voltages. The 43 series is suitable for heavy-duty applications and the 42 and 147 series provide high forces over longer strokes. The miniature 44 series offers high force for short stroke applications, where the sub-miniature 133 and 134 series are ideal for discrete small force/stroke applications where space is at a premium.

120-7155, 120-7156 and 120-7157 come complete with an anti-residual "push-off" spring.

		Closed power,
Pull force, continuous	Pull force, 25% duty	continuous
400gf @ 4mm, 100gf @ 8.0mm	900gf @ 16.0mm, 400gf @ 3.0mm	6.5W
300gf @ 4mm, 200gf @ 10.0mm	1500gf @ 4.0mm, 700gf @ 10.0mm	10.5W
350gf @ 4mm, 150gf @ 8.0mm	1250gf @ 6.0mm, 300gf @ 18.0mm	10W
400gf @ 4mm, 200gf @ 18.0mm	1300gf @ 6.0mm, 600gf @ 18.0mm	15W
1150gf @ 3mm, 150gf @ 9.0mm	3700gf @ 3.0mm, 1500gf @ 9.0mm	12W
1000gf @ 3mm, 200gf @ 15.0mm	3100gf @ 3.0mm, 1700gf @ 15.0mm	20W
80gf @ 2.0mm, 25gf @ 6.0mm	230gf @ 2.0mm, 55gf @ 6.0mm	3W
110gf @ 2.0mm, 50gf @ 8.0mm	250gf @ 2.0mm, 125gf @ 8.0mm	4.3W
	Pull force, continuous 400gf @ 4mm, 100gf @ 8.0mm 300gf @ 4mm, 200gf @ 10.0mm 350gf @ 4mm, 150gf @ 8.0mm 400gf @ 4mm, 200gf @ 18.0mm 1150gf @ 3mm, 150gf @ 9.0mm 1000gf @ 3mm, 200gf @ 15.0mm 80gf @ 2.0mm, 25gf @ 6.0mm 110gf @ 2.0mm, 50gf @ 8.0mm	Pull force, continuous Pull force, 25% duty 400gf @ 4mm, 100gf @ 8.0mm 900gf @ 16.0mm, 400gf @ 3.0mm 300gf @ 4mm, 200gf @ 10.0mm 1500gf @ 4.0mm, 700gf @ 10.0mm 300gf @ 4mm, 200gf @ 10.0mm 1500gf @ 4.0mm, 700gf @ 10.0mm 1500gf @ 4mm, 200gf @ 18.0mm 1250gf @ 6.0mm, 300gf @ 18.0mm 1150gf @ 3mm, 150gf @ 9.0mm 3700gf @ 3.0mm, 1500gf @ 9.0mm 1000gf @ 2.0mm, 25gf @ 6.0mm 3100gf @ 3.0mm, 1700gf @ 15.0mm 100gf @ 2.0mm, 50gf @ 8.0mm 230gf @ 2.0mm, 55gf @ 6.0mm 100gf @ 2.0mm, 50gf @ 8.0mm 250gf @ 2.0mm, 125gf @ 8.0mm

207152

PED

+

Voltage

66 Series

12V dc

24V dc

Order Code

968-7947

968-7955

1 +

484.00

459.00

10 +

394.00

376.00

		Price Each				
Voltage Mftrs. List No.	Order Code	1+	10+	20+	50+	
41 Series						
12V dc 41 120 610 620	968-7769	937.00	889.00	848.00	751.00	
24V dc 41 120 610 720	968-7777	937.00	889.00	848.00	751.00	
240V ac 41 120 110 310	968-7785	926.00	821.00	737.00	728.00	
42 Series						
12V dc 42-120-610-620	968-7831	1,015.00	881.00	797.00	773.00	
12V dc 42-120-611-620	120-7156	1,153.00	1,039.00	944.00	882.00	
24V dc 42-120-610-720	968-7840	1,015.00	881.00	797.00	773.00	
240V ac 42-120-110-310	968-7858	1,043.00	906.00	819.00	766.00	
43 Series						
12V dc 43-120-610-620	968-7866	1,174.00	1,076.00	1,023.00		
24V dc 43-120-610-720	968-7874	1,409.00	1,229.00	1,145.00	1,089.00	
240V ac 43-120-110-310	968-7882	1,476.00	1,287.00	1,199.00	1,097.00	
44 Series						
6V dc 44A-220-620-540	968-7890	698.00	682.00	662.00	597.00	
12V dc 44A-220-620-620	968-7904	716.00	685.00	650.00	576.00	
12V dc 44A-220-621-620	120-7157	840.00	746.00	687.00	642.00	
24V dc 44A-220-620-720	968-7912	716.00	685.00	650.00	576.00	
24V dc 44A-220-621-720	120-7158	840.00	746.00	687.00	642.00	

DC Pulse Operated Pull type - Latching



66 Series 67 Series H=10, W=22, D=15, H=14, W=30, D=16, H=15.5, W=40, D=19, H=21.5, W=36, D=26, Leads=203mm Leads=203mm Leads=203mm Leads=203mm

A latching or bi-stable solenoid incorporates a set of permanent magnets that allows the solenoid to offer hold force even after the power has been disconnected. The term bi-stable is given to this type of solenoid because it has two stable positions. The first is when the solenoid is de-energised and the plunger is fully extended in the open position. The second position is when the solenoid is energised and the plunger is attracted into its closed position, the power can then be removed and the plunger will be held in place with the permanent magnets. The electrical force moves the solenoid from the open position to the closed position. The closed stable position can be neutralised by applying a reverse polarity across the coil, this neutralises the effects of the permanent magnets and allows the plunger to be withdrawn from the body and back into the open position by means of a spring or other external force.

- No self heating
- Continues to hold even after the power
- Can operate by a pulse signal
- A charge / discharge of capacitor will be

67 Series 12V dc 68 Series 12V dc	968-7963 • 968-7823•	411.00 752.00	403.00 613.00	381.00 550.00	345.00 546.00		
Cylindrica	l Solenoids				8	emessem	
 Available with 24 volt continuous or intermittent coils Robust, enclosed coil design with threaded nose for mounting through bulkhead Integral clevis end for pull operation Compact, long stroke design Threaded mounting nose with anti-rotation feature, locknut and shakeproof washer Electroplated body, armature and pole piece for corrosion resistance Coil insulation to class B 							
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Т 12.22.015.24 nd an biolainen ha aitedi Supply Maximum Holding Magnetic Force Power Voltage Stroke Force at Max. Stroke Consumption Mftrs List No V dc Duty Rating mm Ν Ν W 24 Continuous 25 25.3 0.1 5.5 R16X16.24V100% 24 38 R16X16.24V15% 25 35.6 1.2 Intermittent

Force figures:±10%, solenoid HOT condition and heat-sink mounting (6"x6"x.125" steel), rated voltage Power consumption figures: 25°C coil temperature

		Price Each					
Duty Rating	Order Code	1+	5+	10+	25+	+	+
Continuous	116-2567	1,269.00	1,183.00	1,107.00	1,081.00		
Intermittent	116-2568	1,269.00	1,183.00	1,107.00	1,081.00		

Tubular Solenoids

Black Knight 120, 121 & 122 Series



Price Each Order 25+

11

& Solenoids Relays 8

205719

Mftrs

List No 120 420 610 620

120 420 620 620

121 420 610 620

121 420 620 620

122 420 610 620

122 420 620 620

241999/405698

ement available

287

Relays & Solenoids

50 +

347.00

+

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Price Each

20+

355.00

347.00



Mftrs

300,000 products, stocked and ready to despatch

C = CYAN M = Magenta Y = Yellow B = Black/THAI