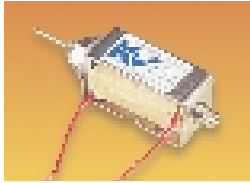


Solenoids — continued

Miniature – SMO

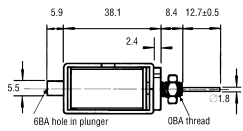


H = 18.3, W = 15.9, Leads = 150

A solenoid suitable for light high speed duty and capable of operating in excess of 300 cycles/minute. Pull or thrust action. Maximum stroke 16mm.

Pull force continuous: 25gf @ 8mm, 70gf @ 3mm.
 Pull force 25% duty: 70gf @ 8mm, 300gf @ 3mm.
 Coil consumption: 3W continuous, 12W @ 25% duty.

KEYSWITCH



REL073

Voltage	Order Code	Price Each		
		1+	10+	50+
12V dc	103-749			

Standard – SM2 Series



H = 31.8 W = 25.4, Leads = 150

The solenoids are designed not to jam even in the event of coil collapse. Pull or pull-thrust action. The pull-thrust solenoid has a hard brass rod attached to the rear of the plunger (see diagram). Maximum stroke at continuous rating 16mm. Fixing is by 2 4BA tapped holes on both side and end plates.

Pull force continuous: 70gf @ 16mm, 150gf @ 10mm
 Pull force 25% duty: 250gf @ 16mm, 550gf @ 10mm
 Coil consumption: 6W continuous: 24W @ 25% duty

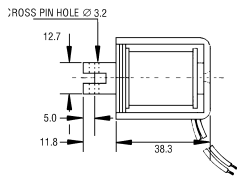
REL074

Voltage	Order Code	Price Each				
		1+	10+	50+	100+	250+
Pull Type						
12V dc	103-743					
24V dc	103-744					
Pull-Thrust Type						
12V dc	103-746					

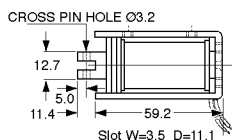
Miniature and Standard – 41, 42, 43, 44 Series



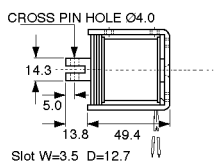
41 Series H = 32, W = 26.7 42 Series H = 32, W = 26.7
 43 Series H = 47.5, W = 41.5 44 Series H = 19.4, W = 16



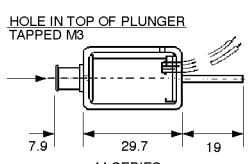
Slot W = 3.5, D = 11.1
41 Series



Slot W = 3.5, D = 11.1
42 Series



Slot W = 3.5, D = 12.7
43 Series



44 Series

A range of general purpose pull action solenoids designed to give high force/size ratio. AC and DC types are externally identical but the AC types in 41, 42 and 44 Series are fitted with shading rings to give quiet operation. The coils are all continuously rated at the stated voltages. 43 Series are suitable for heavy duty applications, and the miniature 44 Series are for short stroke high force applications. Fixing is by 2 M4 tapped holes (M3 for 44 Series) on both side and end plates. 200mm flying lead connections.

*44 Series has push/pull action.

Average performances at 20°C ambient temperature:

Series	Pull force, continuous		Pull force, 25% duty		Closed power, continuous ±
	Force	Stroke	Force	Stroke	
41, dc	400gf @ 4mm, 100gf @ 8mm	900gf @ 4mm, 400gf @ 8mm	6.5W		
41, ac	300gf @ 6mm, 200gf @ 10mm	1500gf @ 4mm, 700gf @ 10mm	10.5VA		
42, dc	350gf @ 6mm, 150gf @ 12mm	1250gf @ 6mm, 300gf @ 18mm	10W		
42, ac	400gf @ 6mm, 200gf @ 18mm	1300gf @ 6mm, 600gf @ 18mm	15VA		
43, dc	1150gf @ 3mm, 150gf @ 9mm	3700gf @ 3mm, 1500gf @ 9mm	12W		
43, ac	1000gf @ 3mm, 200gf @ 15mm	3100gf @ 3mm, 1700gf @ 15mm	20VA		
44, dc	80gf @ 2mm, 25gf @ 6mm	230gf @ 2mm, 55gf @ 6mm	3W		
44, ac	110gf @ 2mm, 50gf @ 8mm	250gf @ 2mm, 125gf @ 8mm	4.3VA		

REL089

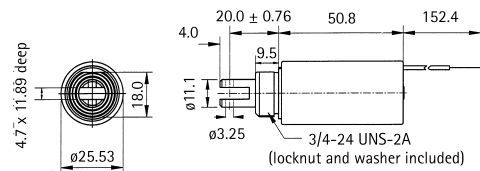
Voltage	Mfrs. List No.	Order Code	Price Each				
			1+	10+	20+	50+	100+
41 Series							
12V dc	41-120-610-620	.176-994					
24Vdc	41-120-610-720	.176-995					
240V ac	41-120-110-310	.176-996					
42 Series							
12V dc	42-120-610-620	.529-916					
24V dc	42-120-610-720	.529-928					
240V ac	42-120-110-310	.529-930					
43 Series							
12V dc	43-120-610-620	.529-953					
24V dc	43-120-610-720	.529-965					
240V ac	43-120-110-310	.529-977					
44 Series							
6V dc	44-220-620-540	.529-989					
12V dc	44-220-620-620	.529-990					
24V dc	44-220-620-720	.530-001					

Cylindrical Solenoids



R16 16 cylindrical solenoid

- 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



Supply Voltage	Maximum Stroke	Holding Force	Magnetic Force at Max. Stroke	Power Consumption	Mfrs. List No.
24	25	25.3	0.1	5.5	R16 x 16 24V cd
24	25	35.6	1.2	38	R16 x 16 24V id

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

PR017

Duty Rating	Order Code	Price Each					
		1+	5+	10+	25+	50+	100+
Continuous	710-8084						
Intermittent	710-8096						