

SELECTOR GUIDE

ORIGINALLY DESIGNED AS MIL. SPEC.
ROTARY ELECTRONIC SWITCHES



CHARACTERISTICS

SERIES M4

SERIES M5

SERIES M6

SERIES M7

Page Number	46,47	48,49	50,51	52,53
Construction	ENCLOSED	ENCLOSED	OPEN	OPEN
Diameter	1.43"	1.00"	1.75"	2.5" SQ.
Positions	2 - 12	2 - 12	2 - 32	2 - 48
E Current and Voltage	0.35A @ 115 VAC	2.5A @ 120 VAC	0.125A @ 115 VAC	0.125A @ 115 VAC
L	1.0A @ 28 VDC	2.0A @ 28 VDC	0.5A @ 28 VDC	0.5A @ 28 VDC
E Current Carrying Capacity	10A	12A	10A	10A
C Dielectric Strength	1,000 VAC	1,500 VAC	1,500 VAC	1,500 VAC
T Insulation Resistance	10,000	100,000	1,000,000	1,000,000
R (megohms)				
I Contact Resistance	5	5	10	10
C (milliohms)				
A				
L				
M Insulation - Glass Epoxy	NO	NO	STANDARD	STANDARD
A Diallyl Phthalate	STANDARD	STANDARD	NO	NO
T				
E				
R				
I Contacts - Silver Alloy ★	STANDARD	STANDARD	STANDARD	STANDARD
A Brass/Silver Plate	NO	NO	NO	NO
L Gold Plate	YES	YES	YES	YES
M Stop Strength	25 in. lb.	15 in. lb.	50 in. lb.	50 in. lb.
E Mechanical Life	25,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles
C Detenting Angles: 7.5°	—	—	—	7.5
H 11.25°	—	—	11.25	—
A 15°	—	—	15	15
N 22.5°	—	—	22.5	—
I 30°	30	30	30	—
C 36°	—	36	—	—
A 45°	—	45	—	—
L 60°	—	60	—	—
90°	—	90	—	—
O Quick Connect	NO	NO	NO	NO
P Rear PC Mount	NO	NO	YES	NO
T Vertical PC Mount ★	NO	NO	NO	NO
I Front PC Mount ★	NO	NO	NO	NO
O Dual Concentric Designs ★	NO	YES	NO	YES
N Keylock ★	NO	NO	NO	NO
S Spring Return ★	NO	NO	YES	NO
Water Resistant Seals ★	YES	YES	YES	YES
Originally Designed To Meet Mil 3786/	SR28	SR04	SR40	SR15

The M4 and M5 Series use the enclosed frame worksheet on page 5 for custom designs.

The M6 and M7 Series use the open frame worksheet on page 45 for custom designs.

★ Contact factory



ELECTROSWITCH • ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP.

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SELECTOR GUIDE OPEN FRAME ROTARY ELECTRONIC SWITCHES



CHARACTERISTICS

SERIES D1

SERIES D2

SERIES D3

SERIES D4

SERIES D5

SERIES D6

Page Number	18,19	20,21	22,23	24,25	26,27	28,29
Construction	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Diameter	1.00"	1.00"	1.312"	1.437"	1.437"	1.687"
Positions	2 - 12	2 - 12	2 - 12	2 - 12	2 - 12	2 - 12
E Current and Voltage	0.25A @ 115 VAC	0.25A @ 115 VAC	0.5A @ 115 VAC	0.5A @ 115 VAC	0.5A @ 115 VAC	0.5A @ 115 VAC
L	0.55A @ 28 VDC	0.55A @ 28 VDC	1.5A @ 28 VDC	1.5A @ 28 VDC	1.5A @ 28 VDC	1.5A @ 28 VDC
E Current Carrying Capacity	7A	7A	12A	9A	9A	9A
C Dielectric Strength	750 VAC	750 VAC	1,000 VAC	1,500 VAC	1,500 VAC	1,500 VAC
T Insulation Resistance	750,000	900,000	1,000,000	1,000,000	750,000	900,000
R (megohms)						
I Contact Resistance	5	5	3.5	3.5	3.5	3.5
C (milliohms)						
A						
L						
M Insulation - Glass Epoxy	STANDARD	YES	STANDARD	STANDARD	STANDARD	YES
A Diallyl Phthalate	YES	STANDARD	YES	YES	NO	STANDARD
T Ceramic	YES	YES	YES	YES	NO	YES
E						
R						
I Contacts - Silver Alloy ★	YES	YES	STD-CERAMIC	YES	YES	YES
A Brass/Silver Plate	STANDARD	STANDARD	STD-GLASS	STANDARD	STANDARD	STANDARD
L						
M Stop Strength	10 in. lb.	10 in. lb.	25 in. lb.	10 in. lb.	25 in. lb.	25 in. lb.
E Mechanical Life	25,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles
C Detenting Angles:						
H						
A 30°	30	30	30	30	30	30
N 36°	36	36	—	—	—	36
I 45°	45	45	—	—	—	45
C 60°	—	60	60	60	—	60
A						
L						
O Quick Connect	NO	NO	NO	NO	NO	NO
P Rear PC Mount	YES	YES	YES	YES	YES	YES
T Vertical PC Mount ★	YES	YES	NO	NO	NO	NO
I Front PC Mount ★	YES	YES	YES	YES	YES	YES
O Dual Concentric Designs ★	YES	YES	YES	YES	NO	NO
N Keylock ★	YES	YES	YES	YES	YES	YES
S Spring Return ★	NO	NO	NO	NO	NO	NO
Water Resistant Seals ★	YES	YES	YES	YES	YES	YES
Originally Designed To Meet Mil 3786/	SR05	N/A	SR03	SR02	N/A	N/A

★ Contact factory



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SELECTOR GUIDE OPEN FRAME ROTARY ELECTRONIC SWITCHES



CHARACTERISTICS

SERIES D7

SERIES D8

SERIES D9

Page Number	30,31	32,33	34,35
Construction	OPEN	OPEN	OPEN
Diameter	1.875"	2.312"	2.312"
Positions	2 - 12	2 - 18	2 - 24
E Current and Voltage	1.0A @ 115 VAC	1.0A @ 115 VAC	0.25A @ 115 VAC
L	2.25A @ 28 VDC	2.25A @ 28 VDC	1.5A @ 28 VDC
E Current Carrying Capacity	9A	9A	9A
C Dielectric Strength	1,500 VAC	1,000 VAC	1,000 VAC
T Insulation Resistance	750 ,000	750,000	750 ,000
R (megohms)			
I Contact Resistance	3.5	5	5
C (milliohms)			
A			
L			
M Insulation - Glass Epoxy	STANDARD	STANDARD	STANDARD
A Diallyl Phthalate	NO	NO	NO
T Ceramic	YES	NO	NO
E			
R			
I Contacts - Silver Alloy ★	YES	YES	YES
A Brass/Silver Plate	STANDARD	STANDARD	STANDARD
L			
M Stop Strength	25 in. lb.	25 in. lb.	25 in. lb.
E Mechanical Life	25,000 cycles	25,000 cycles	25,000 cycles
C Detenting Angles: 15°	—	—	15
H 20°	—	20	—
A 22.5°	—	—	—
N 30°	30	—	—
I 36°	—	—	—
C 45°	—	—	—
A 60°	60	—	—
L			
O Quick Connect	NO	NO	NO
P Rear PC Mount	NO	NO	YES
T Vertical PC Mount ★	NO	NO	NO
I Front PC Mount ★	NO	NO	NO
O Dual Concentric Designs ★	YES	YES	YES
N Keylock ★	YES	YES	YES
S Spring Return ★	NO	NO	NO
Water Resistant Seals ★	YES	YES	YES
Originally Designed To Meet Mil 3786/	N/A	N/A	N/A

Also see our “E” Series section for specialty open frame switches on pages 37 thru 43.

Use the open frame worksheet on page 45 for custom designs.

D

★ Contact factory

SELECTOR GUIDE

ENCLOSED ROTARY ELECTRONIC SWITCHES



CHARACTERISTICS

SERIES C1

SERIES C2

SERIES C3

SERIES C4

SERIES C5 / C6

SERIES C7

Page Number	6,7	8,9	8,9	10,11	12,13	14,15
Construction	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED
Diameter	.865" wide	.82" wide	1.20" wide	1.50"	.92"	2.032"
Positions	2 - 12	2 - 8	2 - 12	2 - 12	2 - 12	2 - 24
E Current and Voltage	0.1A @ 125 VAC	0.1A @ 125 VAC	0.1A @ 125 VAC	0.3A @ 125 VAC	1.0A @ 125 VAC	0.5A @ 125 VAC
L	0.25A @ 28 VDC	0.25A @ 28 VDC	0.25A @ 28 VDC	0.5A @ 28 VDC	1.0A @ 28 VDC	1.0A @ 28 VDC
E Current Carrying Capacity	6A	6A	6A	15A	5A	25A
C Dielectric Strength	600 VAC	1,000 VAC	1,000 VAC	1,000 VAC	1,000 VAC	1,000 VAC
T Insulation Resistance	10,000	10,000	10,000	10,000	10,000	10,000
R (megohms)						
I Contact Resistance	5	30	30	3	20	3
C (milliohms)						
A						
L						
M Insulation - Glass Epoxy	NO	NO	NO	YES ★	NO	NO
A Diallyl Phthalate	STANDARD	NO	NO	STANDARD	NO	STANDARD
T Ceramic	NO	NO	NO	NO	NO	NO
E Polyester	NO	STANDARD	STANDARD	NO	STANDARD	NO
R						
I Contacts - Silver Alloy ★	YES	NO	NO	YES	NO	YES
A Brass/Silver Plate	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
L						
M Stop Strength	8 in. lb.	8 in. lb.	8 in. lb.	25 in. lb.	4.5 in. lb.	25 in. lb.
E Mechanical Life	25,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles	10,000 cycles	25,000 cycles
C Detenting Angles: 15°	—	—	—	—	—	15
H						
A 30°	30	30	30	30	30	30
N 36°	—	—	—	36	—	—
I 45°	—	—	—	45	—	—
C 60°	60	60	60	60	—	60
A 90°	90	90	90	90	—	90
L						
O Quick Connect	NO	NO	NO	YES	NO	YES
P Rear PC Mount	YES	NO	NO	YES	YES	NO
T Vertical PC Mount ★	YES	YES	YES	YES	NO	NO
I Front PC Mount ★	NO	NO	NO	YES	NO	NO
O Dual Concentric Designs ★	YES	YES	YES	YES	NO	YES
N Keylock ★	YES	YES	YES	YES	NO	YES
S Spring Return ★	NO	NO	NO	YES	NO	NO
Water Resistant Seals ★	YES	YES	YES	YES	YES	YES

★ Contact factory

SELECTOR GUIDE OPEN FRAME ROTARY ELECTRONIC SWITCHES



CHARACTERISTICS

SERIES E1

SERIES E2

SERIES E3

SERIES E4

SERIES E5

Page Number	37	38	39	40,41	42,43
Construction	OPEN	OPEN	OPEN	OPEN	OPEN
Diameter	1.50"	N/A	1.500"	2.812"	2.5 x 1.625"
Positions	2 - 3	2 - 5	2 - 3	2 - 17	2 - 24
E Current and Voltage	.25A @ 115 VAC	0.5A @ 115 VAC	0.5A @ 115 VAC	9.0A @ 115 VAC	0.25A @ 115 VAC
L	1.5A @ 28 VDC	1.5A @ 28 VDC	1.5A @ 28 VDC	11.0A @ 28 VDC	0.55A @ 28 VDC
E Current Carrying Capacity	9A	9A	9A	17A	1A
C Dielectric Strength	1,000 VAC	1,000 VAC	1,500 VAC	3,000 VAC	750 VAC
T Insulation Resistance	750,000	750,000	750,000	1,000,000	750,000
R (megohms)					
I Contact Resistance	3.5	3.5	3.5	7	N/A
C (milliohms)					
A					
L					
M Insulation - Glass Epoxy	STANDARD	STANDARD	STANDARD	NO	STANDARD
A Ceramic	NO	NO	YES	STANDARD	NO
T					
E					
R					
I Contacts - Silver Alloy ★	YES	YES	YES	STANDARD	YES
A Brass/Silver Plate	STANDARD	STANDARD	STANDARD	NO	STANDARD
L					
M Stop Strength	10 in. lb.	25 in. lb.	25 in. lb.	25 in. lb.	25 in. lb.
E Mechanical Life	10,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles	25,000 cycles
C Detenting Angles: 15°	—	15	—	—	15
H 20°	—	—	—	20	—
A 22.5°	—	—	—	—	—
N 30°	30	30	30	—	—
I 36°	—	—	—	—	—
C 45°	—	—	—	—	—
A 60°	—	—	—	—	—
L 90°	—	—	—	—	—
O Quick Connect	NO	NO	NO	NO	NO
P Rear PC Mount	YES	YES	YES	NO	NO
T Vertical PC Mount ★	NO	NO	NO	NO	YES
I Front PC Mount ★	YES	NO	NO	NO	NO
O Dual Concentric Designs ★	NO	NO	NO	NO	NO
N Keylock ★	NO	NO	NO	NO	NO
S Spring Return ★	NO	YES	YES	NO	NO
Water Resistant Seals ★	NO	NO	YES	NO	YES

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