

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	25.4 mm	25.4 mm	33.34 mm	36.51 mm	36.51 mm	42.85 mm
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 (Min.)	1.13 Nm	1.13 Nm	2.82 Nm	1.13 Nm	2.82 Nm	2.82 Nm
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

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CHARACTERISTICS

SERIES D7

SERIES D8

SERIES D9

Page Number	30,31	32,33	34,35
Construction	OPEN	OPEN	OPEN
Diameter	47.62 mm	58.74 mm	58.74 mm
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 (Min.)	2.82 Nm	2.82 Nm	2.82 Nm
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
M
E
T
R
I
C

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