




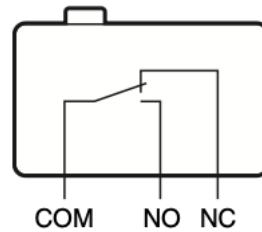


ESPECIFICACIONS TÈCNIQUES SENOR FINAL DE CARRERA (D2F-L30)

Ratings		3 A	1 A	0.1 A		5 A
Maximum Operating Force (OF) * Terminals		General Purpose 1.47 N {150 gf}	Low Operating Force 0.74 N {75 gf}	General Purpose 1.47 N {150 gf}	Low Operating Force 0.74 N {75 gf}	General Purpose 1.47 N {150 gf}
	PCB terminals (Standard)	D2F	D2F-F	D2F-01	D2F-01F	D2F-5
	Self-clinching PCB terminals	D2F-T	D2F-F-T	D2F-01-T	D2F-01F-T	-
	PCB terminals (Right-angled)	D2F-A	D2F-F-A	D2F-01-A	D2F-01F-A	
	PCB terminals (Left-angled)	D2F-A1	D2F-F-A1	D2F-01-A1	D2F-01F-A1	
	Solder terminals	D2F-D3	D2F-F-D3	D2F-01-D3	D2F-01F-D3	
	Compact solder terminals	D2F-D	D2F-F-D	D2F-01-D	D2F-01F-D	
	PCB terminals (Standard)	D2F-L	D2F-FL	D2F-01L	D2F-01FL	D2F-5L
	Self-clinching PCB terminals	D2F-L-T	D2F-FL-T	D2F-01L-T	D2F-01FL-T	-
	PCB terminals (Right-angled)	D2F-L-A	D2F-FL-A	D2F-01L-A	D2F-01FL-A	
	PCB terminals (Left-angled)	D2F-L-A1	D2F-FL-A1	D2F-01L-A1	D2F-01FL-A1	
	Solder terminals	D2F-L-D3	D2F-FL-D3	D2F-01L-D3	D2F-01FL-D3	
	Compact solder terminals	D2F-L-D	D2F-FL-D	D2F-01L-D	D2F-01FL-D	
	PCB terminals (Standard)	D2F-L2	D2F-FL2	D2F-01L2	D2F-01FL2	-
	Self-clinching PCB terminals	D2F-L2-T	D2F-FL2-T	D2F-01L2-T	D2F-01FL2-T	
	PCB terminals (Right-angled)	D2F-L2-A	D2F-FL2-A	D2F-01L2-A	D2F-01FL2-A	
	PCB terminals (Left-angled)	D2F-L2-A1	D2F-FL2-A1	D2F-01L2-A1	D2F-01FL2-A1	
	Solder terminals	D2F-L2-D3	D2F-FL2-D3	D2F-01L2-D3	D2F-01FL2-D3	
	Compact solder terminals	D2F-L2-D	D2F-FL2-D	D2F-01L2-D	D2F-01FL2-D	
	PCB terminals (Standard)	D2F-L3	D2F-FL3	D2F-01L3	D2F-01FL3	D2F-5L3
	Self-clinching PCB terminals	D2F-L3-T	D2F-FL3-T	D2F-01L3-T	D2F-01FL3-T	-
	PCB terminals (Right-angled)	D2F-L3-A	D2F-FL3-A	D2F-01L3-A	D2F-01FL3-A	
	PCB terminals (Left-angled)	D2F-L3-A1	D2F-FL3-A1	D2F-01L3-A1	D2F-01FL3-A1	
	Solder terminals	D2F-L3-D3	D2F-FL3-D3	D2F-01L3-D3	D2F-01FL3-D3	
	Compact solder terminals	D2F-L3-D	D2F-FL3-D	D2F-01L3-D	D2F-01FL3-D	
	PCB terminals (Standard)	D2F-L30	D2F-FL30	D2F-01L30	D2F-01FL30	-
	Self-clinching PCB terminals	D2F-L30-T	D2F-FL30-T	D2F-01L30-T	D2F-01FL30-T	
	PCB terminals (Right-angled)	D2F-L30-A	D2F-FL30-A	D2F-01L30-A	D2F-01FL30-A	
	PCB terminals (Left-angled)	D2F-L30-A1	D2F-FL30-A1	D2F-01L30-A1	D2F-01FL30-A1	
	Solder terminals	D2F-L30-D3	D2F-FL30-D3	D2F-01L30-D3	D2F-01FL30-D3	
	Compact solder terminals	D2F-L30-D	D2F-FL30-D	D2F-01L30-D	D2F-01FL30-D	

* OF are values for Pin plungers



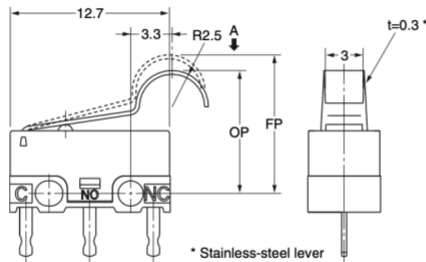
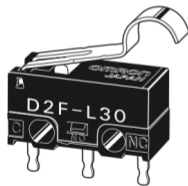
●Simulated Roller Lever Models (R2.5)

D2F-L30□

D2F-01L30□

D2F-FL30□

D2F-01FL30□



Operating Characteristics		Model	D2F-L30□ D2F-01L30□	D2F-FL30□ D2F-01FL30□
Operating Force	OF Max.		0.54 N {55 gf}	0.3 N {31 gf}
Releasing Force	RF Min.		0.04 N {4 gf}	0.02 N {2 gf}
Overtravel	OT Min.		0.5 mm	0.5 mm
Movement Differential	MD Max.		0.5 mm	0.5 mm
Free Position	FP Max.		12.6 mm	
Operating Position	OP		9.5±1.0 mm	

Note 1. Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

Note 2. The operating characteristics are for operation in the A direction (↓).

Item		Model	D2F-01 models	D2F models		D2F-5 models
				0.74 N (Low operating force)	1.47 N (General-purpose)	1.47 N (General-purpose)
Permissible operating speed			Pin plunger models: 1 mm to 500 mm/s, Lever models: 5 mm to 500 mm/s			
Permissible operating frequency	Mechanical	Pin plunger models: 200 operations/min, Lever models: 100 operations/min				
	Electrical	30 operations/min				
Insulation resistance			100 MΩ min. (at 500 VDC with insulation tester)			
Contact resistance (initial value)			100 mΩ max.	50 mΩ max.	30 mΩ max.	
Dielectric strength	Between terminals of the same polarity	600 VAC 50/60 Hz for 1min				
	Between current-carrying metal parts and ground	1,500 VAC 50/60 Hz for 1min				
	Between each terminal and non-current-carrying metal parts	1,500 VAC 50/60 Hz for 1min				
Vibration resistance * 1	Malfunction	10 to 55 Hz, 1.5-mm double amplitude				
Shock resistance	Durability	1,000 m/s ² {approx. 100G} max.				
	Malfunction * 1	300 m/s ² {approx. 30G} max.				
Durability * 2	Mechanical	1,000,000 operations min. (60 operations/min)				
	Electrical	100,000 operations min. (30 operations/min)	30,000 operations min. (30 operations/min)	10,000 operations min. (30 operations/min)		
Degree of protection			IEC IP40			
Ambient operating temperature			-40°C to +85°C (at ambient humidity 60% max.) (with no icing or condensation)			
Ambient operating humidity			85% max. (for +5°C to +35°C)			
Weight			Approx. 0.5 g (pin plunger models)			