

Eaton NEMA Limit Switches

NEMA Limit Switches F25 Series

- 9 side rotary heads available
- 990-degree adjustable head. Levers are adjustable to any angle on the operating shaft.
- Die-cast zinc housing for industrial applications
- Fully assembled out of box
- SPDT and DPDT snap action configurations available
- 1/2 inch NPT conduit opening
- Contact patterns similar to those of leading competitors

NEMA Limit Switches F25 Series								
Part Number	Price	Drawing Link	Actuator Type	Snap Action Contacts	Travel to Operate Contacts	Total Travel	Force to Operate Contacts	Photo
Side Rotary								
F25ASRL200	\$;01hfx:	PDF	1.5 inch stainless steel lever with Nylatron roller	(1) N.O./(1) N.C.	5°	90°	3 lb•in [0.34 N•m]	A
F25BSRL200	\$01hg8:	PDF		(2) N.O./(2) N.C.				B
F25ASRL355	\$;01hfy:	PDF	1.5 inch stainless steel lever with metal roller	(1) N.O./(1) N.C.				C
F25BSRL355	\$01hg9:	PDF		(2) N.O./(2) N.C.				D
F25ASRL549	\$;01hgz:	PDF	2 inch stainless steel lever with metal roller	(1) N.O./(1) N.C.				E
F25BSRL549	\$01hga:	PDF		(2) N.O./(2) N.C.				F
F25ASRL551	\$;01hfh:	PDF	3 inch stainless steel lever with metal roller	(1) N.O./(1) N.C.				G
F25BSRL551	\$01hgb:	PDF		(2) N.O./(2) N.C.				H
F25ASRL548	\$;01hff:	PDF	3 inch stainless steel lever with Nylatron roller	(1) N.O./(1) N.C.				I
F25BSRL548	\$01hgc:	PDF		(2) N.O./(2) N.C.				
F25ASRL539	\$;01hf_:	PDF	Adjustable stainless steel lever with ball bearing roller	(1) N.O./(1) N.C.				
F25BSRL539	\$01hgd:	PDF		(2) N.O./(2) N.C.				
F25ASRL201	\$;01hf#:	PDF	Side rotary adjustable stainless steel lever with Nylatron roller	(1) N.O./(1) N.C.				
F25BSRL201	\$01hge:	PDF		(2) N.O./(2) N.C.				
F25ASRL421	\$;01hfi:	PDF	Adjustable spring stainless steel rod	(1) N.O./(1) N.C.				
F25BSRL421	\$;01hgf:	PDF		(2) N.O./(2) N.C.				
F25ASRL142	\$;01hfi?:	PDF	6 inch Nylatron loop	(1) N.O./(1) N.C.				
F25BSRL142	\$01hgg:	PDF		(2) N.O./(2) N.C.				



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- 12 push and 6 wobble heads available
- 90-degree adjustable head
- Die-cast zinc housing for industrial applications
- Fully assembled out of box
- SPDT and DPDT snap action configurations available
- 1/2 in NPT conduit opening
- Contact patterns similar to those of leading competitors

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Part Number	Price	Drawing Link	Actuator Type	Snap Action Contacts	Travel to Operate Contacts	Total Travel	Force to Operate Contacts	Photo
Side Push								
F25ASP1	\$;.01hf.:	PDF	Side metal plunger	(1) N.O./ (1) N.C.	0.065 in [1.651 mm]	0.290 in [7.366 mm]	4lb [1.81 kg]	A
F25BSP1	\$01hgh:	PDF		(2) N.O./ (2) N.C.				
F25ASP2	\$01hg0:	PDF	Side metal plunger adjustable	(1) N.O./ (1) N.C.				B
F25BSP2	\$-.01hgi:	PDF		(2) N.O./ (2) N.C.				
F25ASP3	\$01hg1:	PDF	Side metal plunger with metal roller	(1) N.O./ (1) N.C.				C
F25BSP3	\$-.01hgj:	PDF		(2) N.O./ (2) N.C.				
Top Push								
F25ATP1	\$01hg2:	PDF	Metal plunger	(1) N.O./ (1) N.C.	0.040 in [1.00 mm]	0.280 in [7.366 mm]	4lb [1.81 kg]	D
F25BTP1	\$01hgk:	PDF		(2) N.O./ (2) N.C.				
F25ATP2	\$01hg3:	PDF	Metal plunger adjustable	(1) N.O./ (1) N.C.				E
F25BTP2	\$-.01hgl:	PDF		(2) N.O./ (2) N.C.				
F25ATP3	\$01hg4:	PDF	Metal plunger with metal roller	(1) N.O./ (1) N.C.				F
F25BTP3	\$01hgn:	PDF		(2) N.O./ (2) N.C.				
Wobble Head								
F25AW2	\$01hg5:	PDF	360 degree nylon rod	(1) N.O./ (1) N.C.	10°	15°	2 lb•in [1.23 N•m]	G
F25BW2	\$01hgo:	PDF		(2) N.O./ (2) N.C.				
F25AW3	\$01hg6:	PDF	360 degree stainless steel rod	(1) N.O./ (1) N.C.				H
F25BW3	\$01hgp:	PDF		(2) N.O./ (2) N.C.				
F25AW4	\$01hg7:	PDF	360 degree stainless steel spring	(1) N.O./ (1) N.C.				I
F25BW4	\$01hgq:	PDF		(2) N.O./ (2) N.C..				



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Specifications



NEMA Limit Switches Specifications F25 Series		
Environmental		
Degree of Protection		NEMA 3, 3S, 4, 4X, 6, 6P, 13 IP67
Temperature Range		Side Rotary 10°F [-12°C] to 200°F [94°C] Side Push 14°F [-10°C] to 200°F [94°C] Wobble 14°F [-10°C] to 250°F [121°C]
Mechanical Ratings		
Repeat Accuracy		Side Operated: Within 0.0012 in. [0.0305 mm] Side Push: Within 0.003 in. [0.076 mm] Top Push: Within 0.002 in. [0.051 mm]
Mechanical Life		Side Rotary: 13 million operations minimum Side and Top Push: 10 million operations minimum Wobble: 10 million operations minimum
Conduit Entrance		1/2 in NPT
Enclosure Material		Die-cast zinc alloy
Contact Blocks Rating		
Contact Rating		NEMA A600 R300
Electrical Ratings	AC	Make: 60A at 120VAC; 30A at 240VAC; 15A at 480VAC; 12A at 600VAC Break: 6A at 120VAC; 3A at 240VAC; 1.5 A at 480VAC; 1.2 A at 600VAC Continuous: 10A at 480VAC
	DC	Make: 0.25 A at 120VDC; 0.125 A at 240VDC
Maximum Switching Frequency		8000 operations per hour
Electrical Life		Single Pole: 1,000,000 operations typical at full load Double Pole: 100,000 operations typical at full load
Wiring Connections		AWG #12 through #18 AWG Wire
Torque Requirements		Switch Body Screws 25 - 30 in-lb [2.8 - 3.4 N•m] Operating Head Screws 14 - 18 in-lb [1.6 - 2.0 N•m]
Agency Approvals *		cULus 170645 all versions F25Ax versions have CE, All units are Reach compliant

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Connection Diagram

Connection diagram - SPDT, DPDT

The following connection diagram appears on the switch body nameplate.

