

# 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
<b>Side Rotary</b>								
<a href="#">F25ASRL200</a>	\$155.00	<a href="#">PDF</a>	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
<a href="#">F25BSRL200</a>	\$191.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				B
<a href="#">F25ASRL355</a>	\$155.00	<a href="#">PDF</a>	1.5 inch stainless steel lever with metal roller	(1) N.O./(1) N.C.				C
<a href="#">F25BSRL355</a>	\$191.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				D
<a href="#">F25ASRL549</a>	\$170.00	<a href="#">PDF</a>	2 inch stainless steel lever with metal roller	(1) N.O./(1) N.C.				E
<a href="#">F25BSRL549</a>	\$206.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				F
<a href="#">F25ASRL551</a>	\$171.00	<a href="#">PDF</a>	3 inch stainless steel lever with metal roller	(1) N.O./(1) N.C.				G
<a href="#">F25BSRL551</a>	\$207.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				H
<a href="#">F25ASRL548</a>	\$171.00	<a href="#">PDF</a>	3 inch stainless steel lever with Nylatron roller	(1) N.O./(1) N.C.				I
<a href="#">F25BSRL548</a>	\$207.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				
<a href="#">F25ASRL539</a>	\$177.00	<a href="#">PDF</a>	Adjustable stainless steel lever with ball bearing roller	(1) N.O./(1) N.C.				
<a href="#">F25BSRL539</a>	\$212.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				
<a href="#">F25ASRL201</a>	\$170.00	<a href="#">PDF</a>	Side rotary adjustable stainless steel lever with Nylatron roller	(1) N.O./(1) N.C.				
<a href="#">F25BSRL201</a>	\$206.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				
<a href="#">F25ASRL421</a>	\$170.00	<a href="#">PDF</a>	Adjustable spring stainless steel rod	(1) N.O./(1) N.C.				
<a href="#">F25BSRL421</a>	\$206.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				
<a href="#">F25ASRL142</a>	\$170.00	<a href="#">PDF</a>	6 inch Nylatron loop	(1) N.O./(1) N.C.				
<a href="#">F25BSRL142</a>	\$206.00	<a href="#">PDF</a>		(2) N.O./(2) N.C.				



A



B



C



D



E



F



G



H



I

# Eaton NEMA Limit Switches

## NEMA Limit Switches F25 Series

- 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

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
<b>Side Push</b>								
<a href="#">F25ASP1</a>	\$161.00	<a href="#">PDF</a>	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
<a href="#">F25BSP1</a>	\$204.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<a href="#">F25ASP2</a>	\$183.00	<a href="#">PDF</a>	Side metal plunger adjustable	(1) N.O./ (1) N.C.				B
<a href="#">F25BSP2</a>	\$224.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<a href="#">F25ASP3</a>	\$183.00	<a href="#">PDF</a>	Side metal plunger with metal roller	(1) N.O./ (1) N.C.				
<a href="#">F25BSP3</a>	\$219.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<b>Top Push</b>								
<a href="#">F25ATP1</a>	\$146.00	<a href="#">PDF</a>	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
<a href="#">F25BTP1</a>	\$192.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<a href="#">F25ATP2</a>	\$183.00	<a href="#">PDF</a>	Metal plunger adjustable	(1) N.O./ (1) N.C.				E
<a href="#">F25BTP2</a>	\$224.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<a href="#">F25ATP3</a>	\$161.00	<a href="#">PDF</a>	Metal plunger with metal roller	(1) N.O./ (1) N.C.				F
<a href="#">F25BTP3</a>	\$204.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<b>Wobble Head</b>								
<a href="#">F25AW2</a>	\$143.00	<a href="#">PDF</a>	360 degree nylon rod	(1) N.O./ (1) N.C.	10°	15°	2 lb•in [1.23 N•m]	G
<a href="#">F25BW2</a>	\$209.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<a href="#">F25AW3</a>	\$143.00	<a href="#">PDF</a>	360 degree stainless steel rod	(1) N.O./ (1) N.C.				H
<a href="#">F25BW3</a>	\$209.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				
<a href="#">F25AW4</a>	\$146.00	<a href="#">PDF</a>	360 degree stainless steel spring	(1) N.O./ (1) N.C.				I
<a href="#">F25BW4</a>	\$209.00	<a href="#">PDF</a>		(2) N.O./ (2) N.C.				



# Eaton NEMA Limit Switches Specifications



NEMA Limit Switches Specifications F25 Series	
<b>Environmental</b>	
<b>Degree of Protection</b>	NEMA 3, 3S, 4, 4X, 6, 6P, 13 IP67
<b>Temperature Range</b>	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]
<b>Mechanical Ratings</b>	
<b>Repeat Accuracy</b>	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]
<b>Mechanical Life</b>	Side Rotary: 13 million operations minimum Side and Top Push: 10 million operations minimum Wobble: 10 million operations minimum
<b>Conduit Entrance</b>	1/2 in NPT
<b>Enclosure Material</b>	Die-cast zinc alloy
<b>Contact Blocks Rating</b>	
<b>Contact Rating</b>	NEMA A600 R300
<b>Electrical Ratings</b>	<b>AC</b> 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
	<b>DC</b> Make: 0.25 A at 120VDC; 0.125 A at 240VDC
<b>Maximum Switching Frequency</b>	8000 operations per hour
<b>Electrical Life</b>	Single Pole: 1,000,000 operations typical at full load Double Pole: 100,000 operations typical at full load
<b>Wiring Connections</b>	AWG #12 through #18 AWG Wire
<b>Torque Requirements</b>	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]
<b>Agency Approvals *</b>	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.

