

Eaton Limit Switches

F25 Series NEMA Limit Switches

- 9 side rotary heads available
- 90-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

| F25 Series NEMA Limit Switches | | | | | | | | |
|--------------------------------|-------|---------------------|---|----------------------|----------------------------|--------------|---------------------------|-------|
| Part Number | Price | Drawing Link | Actuator Type | Snap Action Contacts | Travel to Operate Contacts | Total Travel | Force to Operate Contacts | Photo |
| Side Rotary | | | | | | | | |
| F25ASRL200 | | 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 | | PDF | | (2) N.O./(2) N.C. | | | | B |
| F25ASRL355 | | PDF | 1.5 inch stainless steel lever with metal roller | (1) N.O./(1) N.C. | | | | C |
| F25BSRL355 | | PDF | | (2) N.O./(2) N.C. | | | | D |
| F25ASRL549 | | PDF | 2 inch stainless steel lever with metal roller | (1) N.O./(1) N.C. | | | | E |
| F25BSRL549 | | PDF | | (2) N.O./(2) N.C. | | | | F |
| F25ASRL551 | | PDF | 3 inch stainless steel lever with metal roller | (1) N.O./(1) N.C. | | | | G |
| F25BSRL551 | | PDF | | (2) N.O./(2) N.C. | | | | H |
| F25ASRL548 | | PDF | 3 inch stainless steel lever with Nylatron roller | (1) N.O./(1) N.C. | | | | I |
| F25BSRL548 | | PDF | | (2) N.O./(2) N.C. | | | | |
| F25ASRL539 | | PDF | Adjustable stainless steel lever with ball bearing roller | (1) N.O./(1) N.C. | | | | |
| F25BSRL539 | | PDF | | (2) N.O./(2) N.C. | | | | |
| F25ASRL201 | | PDF | Side rotary adjustable stainless steel lever with Nylatron roller | (1) N.O./(1) N.C. | | | | |
| F25BSRL201 | | PDF | | (2) N.O./(2) N.C. | | | | |
| F25ASRL421 | | PDF | Adjustable spring stainless steel rod | (1) N.O./(1) N.C. | | | | |
| F25BSRL421 | | PDF | | (2) N.O./(2) N.C. | | | | |
| F25ASRL142 | | PDF | 6 inch Nylatron loop | (1) N.O./(1) N.C. | | | | |
| F25BSRL142 | | PDF | | (2) N.O./(2) N.C. | | | | |



A



B



C



D



E



F



G



H



I

Eaton Limit Switches

F25 Series NEMA Limit Switches

- 6 push and 3 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

| F25 Series NEMA Limit Switches | | | | | | | | |
|--------------------------------|-------|---------------------|--------------------------------------|----------------------|----------------------------|------------------------|---------------------------|-------|
| Part Number | Price | Drawing Link | Actuator Type | Snap Action Contacts | Travel to Operate Contacts | Total Travel | Force to Operate Contacts | Photo |
| Side Push | | | | | | | | |
| F25ASP1 | | 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 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| F25ASP2 | | PDF | side metal plunger adjustable | (1) N.O./ (1) N.C. | | | | |
| F25BSP2 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| F25ASP3 | | PDF | side metal plunger with metal roller | (1) N.O./ (1) N.C. | | | | |
| F25BSP3 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| Top Push | | | | | | | | |
| F25ATP1 | | 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 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| F25ATP2 | | PDF | metal plunger adjustable | (1) N.O./ (1) N.C. | | | | |
| F25BTP2 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| F25ATP3 | | PDF | metal plunger with metal roller | (1) N.O./ (1) N.C. | | | | |
| F25BTP3 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| Wobble Head | | | | | | | | |
| F25AW2 | | PDF | 360 degree nylon rod | (1) N.O./ (1) N.C. | 10° | 15° | 2 lb•in (1.23 N•m) | G |
| F25BW2 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| F25AW3 | | PDF | 360 degree stainless steel rod | (1) N.O./ (1) N.C. | | | | |
| F25BW3 | | PDF | | (2) N.O./ (2) N.C. | | | | |
| F25AW4 | | PDF | 360 degree stainless steel spring | (1) N.O./ (1) N.C. | | | | |
| F25BW4 | | PDF | | (2) N.O./ (2) N.C. | | | | |



Eaton Limit Switches General Specifications

| F25 Series NEMA Limit Switches Specifications | |
|---|---|
| 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 | 1/2in 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 |



Connection Diagram

Connection diagram - SPDT, DPDT

The following connection diagram appears on the switch body nameplate.

