

FLS Enclosed Switches

Heavy Duty

Cl. I, Div. 1 & 2, Groups C, D  
Cl. II, Div. 1, Groups E, F, G  
Cl. II, Div. 2, Groups F, G  
Cl. III  
NEMA 3, 4, 7CD, 9EFG, 12

Explosionproof  
Dust-Ignitionproof  
Raintight  
Wet Locations

2A

Applications:

- FLS heavy duty enclosed switches are used:
- In a rigid metallic conduit system for surface mounting adjacent to or remote from equipment being controlled
  - As disconnect switches for main feed or individual motor control
  - To prevent arcing of the enclosed switch from causing ignition of a specific hazardous atmosphere, or atmospheres, external to the enclosure
  - In industrial areas such as chemical plants, oil and gas refineries, paint and varnish manufacturing plants, gasoline bulk loading terminals, grain elevators, grain processing industries, coal processing or handling areas and metal handling or finishing areas where atmosphere may contain hazardous gases and/or dust
  - In non-hazardous area where sturdy, durable enclosures are required

Features:

- Enclosed devices are unfused, visible blade motor circuit switches
- Rugged cast metal enclosures with mounting lugs and taper tapped hubs with integral bushings, in through feed arrangement
- Interior of the enclosures is readily accessible through threaded cover openings at each end, set at an angle to facilitate wiring
- Threaded covers and a threaded type operating shaft and bushing provide quick assembly and easy maintenance
- A padlock can be used to lock the operating handle in an "ON" or "OFF" position
- Body and cover threads treated with lubricant at factory to provide raintightness

Certifications and Compliances:

- NEC:
  - Class I, Divisions 1 & 2, Groups C, D
  - Class II, Division 1, Groups E, F, G
  - Class II, Division 2, Groups F, G
  - Class III
- NEMA: 3, 4, 7CD, 9EFG, 12
- UL Standard: 1203

Standard Materials:

- Body – copper-free aluminum
- Cover – copper-free aluminum
- Shaft – stainless steel
- Shaft bushings – stainless steel

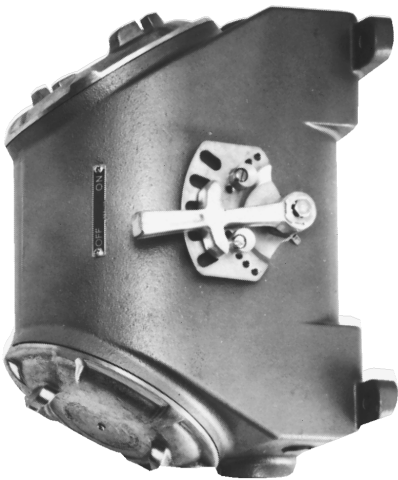
Standard Finishes:

- Copper-free aluminum – natural
- Stainless steel – natural

Options:

**Description**  
Ground/neutral wire stud provided  
Breather and Drain  
Auxiliary switch: 1A, 1B  
Auxiliary switch: 2A, 2B

**Suffix**  
**S168**  
**S198V**  
**S784**  
**S785**



Size Ranges:

- Hub size – 1½" through feed with top entry having a PLG5 plug

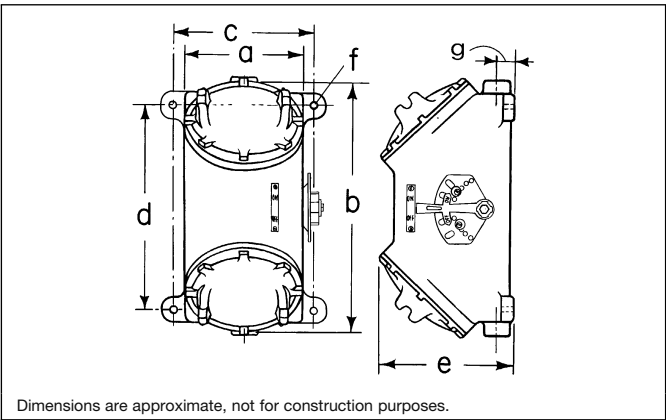
Ordering Information:

Furnished with Non-Fusible, Visible Blade Motor Circuit Switch  
Switch Ratings

| Amperes | Maximum HP – 3 Phase<br>Volts AC |     |     |     |         | Through Feed<br>Hub Size | Enclosure With<br>3-Pole Switch<br>Cat. # |
|---------|----------------------------------|-----|-----|-----|---------|--------------------------|-------------------------------------------|
|         | 125                              | 240 | 480 | 600 | 250 VDC |                          |                                           |
| 30      | 5                                | 10  | 20  | 25  | 7.5     | 1½"                      | FLS30364 1 33                             |
| 60      | 10                               | 20  | 40  | 60  | 15      | 1½"                      | FLS60364 1 44                             |
| 100     | 15                               | 30  | 75  | 75  | 25      | 1½"                      | FLS10364 1 55                             |

Dimensions

In Inches:



| a  | b   | c  | d  | e  | f  | g  |
|----|-----|----|----|----|----|----|
| 7½ | 13⅞ | 8½ | 9¾ | 9⅞ | 7⅞ | 1¾ |