

MOTOR STARTER | Manual Starting Switches | Welder Switch

60A-600V AC — Suitable as Manual Motor Controller

Motor Starting without Overload Protection									
Switch Type	Pole	Phase	Description	Wiring Position	AC HP Rating				Cat. No.
					120V	240V	480V	600V	
Motor Switch NEMA Type 3R Enclosure	2P	1Ø	Metal Black Enclosure	Front	—	10HP	15HP	20HP	N3602
	3P	3Ø	Metal Black Enclosure	Front	—	10HP	25HP	30HP	N3603
Motor Switch Only	2P	1Ø	Black Standard Toggle Switch	Back	—	10HP	15HP	20HP	MS602-BW
	2P	1Ø	Black Standard Toggle Switch	Front	—	10HP	15HP	20HP	MS602-FW
	3P	3Ø	Black Standard Toggle Switch	Back	—	10HP	25HP	30HP	MS603-BW
	3P	3Ø	Black Standard Toggle Switch	Front	—	10HP	25HP	30HP	MS603-FW

30A, 40A and 60A Enclosures Only

Suitable as Motor Disconnect			
Switch Type	Used With	Description	Cat. No.
Enclosure Only NEMA Type 1	30A	Metal Gray Enclosure	N13NC-DS
	30A	Thermoplastic Black Enclosure*	N13NC-TDS
Enclosure Only NEMA Type 3R	30/40A	Metal Gray Enclosure	N33NC-DS
Enclosure Only NEMA Type 3R	40/60A	Metal Gray Enclosure	N36NC

*Enclosure has black thermoplastic cover with steel box

Welder Switch
40A-600V AC

Motor Starting without Overload Protection						
Switch Type	Pole	Phase	Description	Wiring Position	AC HP Rating 250V	Cat. No.
Welder Switch Only	2P	—	Black Standard Toggle Switch	Back	5HP	WS402

SAFETY DISCONNECT SWITCHES

Powerswitch® Safety Disconnect Switches

Watertight and dust-tight Powerswitch® Safety Disconnect Switches are the ideal choice for process environments with particulate laden air, outdoor exposure, or water wash-down requirements. Heavy duty enclosed safety disconnect switches cut power to the circuit for equipment servicing and are designed to withstand higher short circuit currents than manual motor controllers.

Sample Safety Disconnect Switches



Features and Benefits

30 Amp

- Non-Fused and Fused
- IP67 Watertight
- NEMA 4X and IEC (DS30-AX)
- Fused models accept “Class-J” Time-Delay Fuses
- Backed by a limited 2-year warranty

60 Amp

- Non-Fused and Fused
- IP67 Watertight
- Hub sold separately
- Fused models accept “Class-J” Time-Delay Fuses
- Backed by a limited 2-year warranty

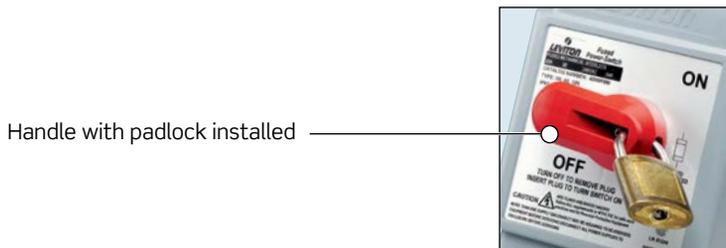
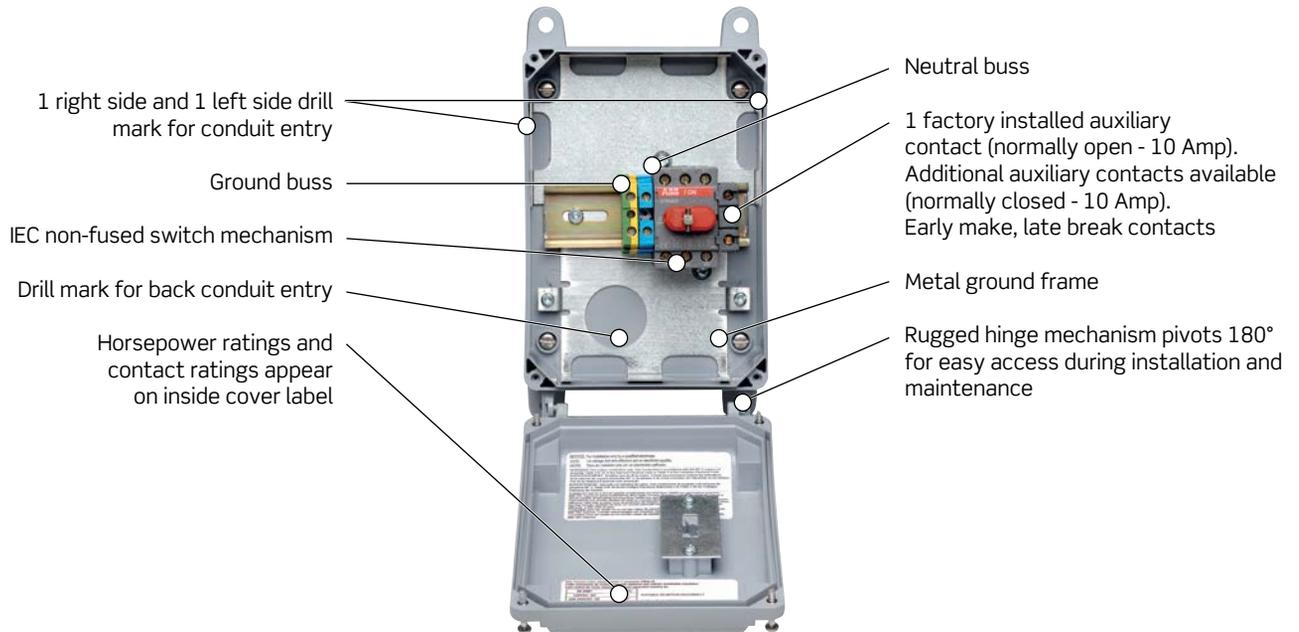
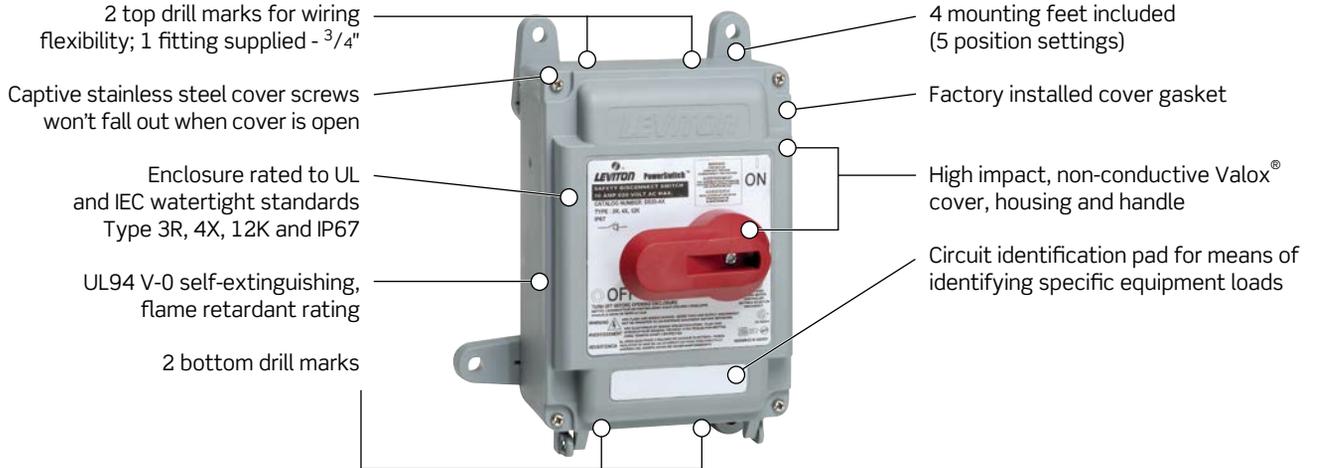
100 Amp

- Non-Fused
- IP67 Watertight
- Hub sold separately
- Fused models accept “Class-J” Time-Delay Fuses
- Backed by a limited 2-year warranty

SAFETY DISCONNECT SWITCHES

Powerswitch® Safety Disconnect Switches

Powerswitch® DS30-AX



SAFETY DISCONNECT SWITCHES

Powerswitch® Safety Disconnect Switches

Powerswitch® DS60-FAX

Liquid-tight conduit fitting (sold separately) can be installed for top or bottom feed

Stainless steel screws are captive and will not fall out when cover is opened

Integrated lockout handle meets OSHA safety regulations

Impact UV and chemical-resistant Valox enclosure rated to UL and IEC watertight standards

- 3R, 4X & 12K
- IP67

Red “pistol grip” handle provides visual confirmation of switch’s status

Circuit identification pad for means of identifying specific equipment loads



Pre-wired grounding plates (top and bottom of enclosure) connect to metal conduit grounding system

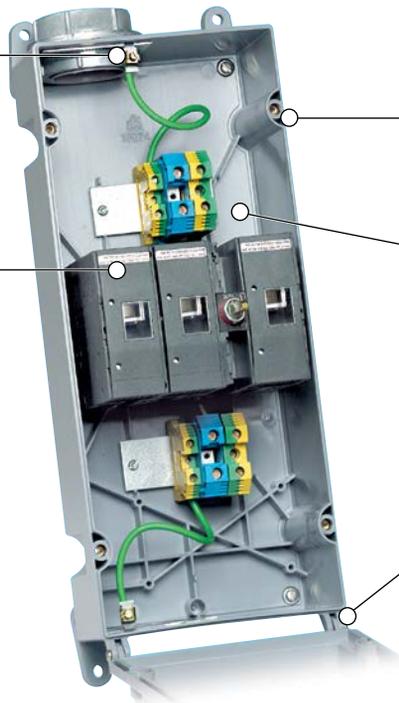
Disconnect switch with integrated fuse holder offers proven performance in a compact package

- Fused cartridges accept “Class J” fuses (not included)
- 1 factory installed auxiliary contact (normally open – 10 Amp)
- Additional auxiliary contact available (normally closed – 10 Amp)
- Easily accessible neutral and ground terminal blocks

Brass threaded inserts will not strip, provide higher torque, and form tighter seal between back box and cover

Generous wiring space for top to bottom wiring

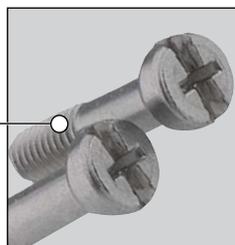
Rugged hinge mechanism pivots 180° for easy access during installation and maintenance



Handle (with padlock installed)

Cover Screws: 1-1/8" deep slotted, LG stainless steel

Mounting Screws: 10-24 x 1/2" deep slotted, LG stainless steel



SAFETY DISCONNECT SWITCHES
Safety Disconnect Switches

Description	Amps	Max Voltage	RMS Symmetrical Amperes	Cat No.
Disconnect Switch Non-Fused*	30	600V AC	10,000A	DS30-AX
	60	600V AC	50,000A	DS60-AX
	100	600V AC	50,000A	DS100-AX
Disconnect Switch Fused**	30	600V AC	200,000A	DS30-FAX
	60	600V AC	200,000A	DS60-FAX

*Non-Fused are suitable for use on circuits capable of delivering not more than the RMS symmetrical amperes listed on the chart above.

**Fused, when protected by Class J fuses, 600V AC maximum, are suitable for use on circuits capable of delivering not more than the RMS symmetrical amperes listed on the chart above

Maximum HP Ratings as Per UL 60947-4-1

Volts	DS30-AX	DS60-AX	DS100-AX	DS30-FAX	DS60-FAX
	Non-Fused	Non-Fused	Non-Fused	Fused	Fused
120V AC	2	2	5	2	N/R
208V AC	5	20	25	7.5	15
240V AC	5	10	15	3	N/R
480V AC	10	20	25	7.5	N/R
600V AC	N/A	20	20	20	N/R
3Ø Y120/208V AC	10	20	25	7.5	15
3Ø 240V AC	10	20	30	7.5	15
3Ø 480V AC	20	40	50	15	30
3Ø 600V AC	25	40	50	20	50

N/R: Not rated

N/A: Not available