

## Industrial Grade

# AC Manual Motor and Welder Starting Switches



Sold by:



### Back and Side Wired AC Manual Motor Starting Switches 30 AMP 600V AC

DESCRIPTION	MAX. HP RATING	IN NEMA 1 ENCL.	IN NEMA 3R ENCL.	SWITCH ONLY
Double-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	2HP 120V AC 5HP 240V AC 10HP 480V AC 15HP 600V AC	N1302	N3302	MS302
Same as above – Short Toggle		—	—	MS302-S
Three-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	3HP 120V AC 7.5HP 240V AC 15HP 480V AC 20HP 600V AC	N1303	N3303	MS303
Same as above – Short Toggle		—	—	MS303-S



MS303

### Back and Side Wired AC Manual Motor Starting Switches 40 AMP 600V AC

DESCRIPTION	MAX. HP RATING	CAT. NO.
Double-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	2HP 120V AC 5HP 240V AC 10HP 480V AC 15HP 600V AC	MS402
Three-pole, single-throw AC manual motor starting switch, without overload protection. Color: Black	3HP 120V AC 7.5HP 240V AC 15HP 480V AC 20HP 600V AC	MS403



WS402

### Back or Front Wired AC Manual Motor Starting Switches 60 AMP 600V AC

DESCRIPTION	MAX. HP RATING	IN NEMA 3R ENCL.	SWITCH ONLY
Double-pole, single-throw AC manual motor starting switch, without overload protection. Back Wired. Color: Black	10HP 240V AC 15HP 480V AC 20HP 600V AC	N3602	MS602-BW
Same as above except Front Wired		—	MS602-FW
Three-pole, single-throw AC manual motor starting switch, without overload protection. Back Wired. Color: Black	10HP 240V AC 25HP 480V AC 30HP 600V AC	N3603	MS603-BW
Same as above except Front Wired		—	MS603-FW

### Enclosures and Wallplates

DESCRIPTION	CAT. NO.
NEMA 1 steel encl. for 30A MS Switches	N13NC
NEMA 3R encl. for 30A or 40A MS Switches	N33NC
NEMA 3R encl. for 40A or 60A MS Switches	N36NC
302 Stainless Steel Lockout Wallplate w/tamper-resistant screws and spanner tool	84001-LOK

### Side Wired AC Manual Welder Starting Switches 40 AMP 600V AC

DESCRIPTION	MAX. HP RATING	CAT. NO.
Double-pole, single-throw AC manual welder starting switch. Color: Black	5HP 250V AC	WS402

### SPECIFICATIONS & FEATURES

#### MS Switches

- All molded parts are thermoplastic to resist impacts, chemicals, temperature, tracking and arcing
- Positive-contact design enhances fast-make/slow-break
- Silver-alloy contacts for maximum conductivity and service life
- Back and side wire terminals accept up to #10 AWG solid copper wire. For stranded #8 AWG wire, remove terminal clamp and use ring terminal
- Oversized #10 triple-combination terminal screws are vibration resistant
- Insulating barrier between terminals provide isolation from each phase
- Nickel-plated brass mounting yoke for superior corrosion resistance
- Large toggle provides positive actuation, even with gloved hand

#### WS Switches

- Capable of accommodating bus bar termination in multi-gang applications
- Hole for mounting hardware supports panel mounting with self-threading fasteners or pop rivets
- Terminal screws accept up to # 10 AWG solid copper wire. For stranded # 8 AWG wire, remove terminal clamp and use ring terminal
- Fast-threading, corrosion-resistant brass triple-combination screws for fast, easy installation

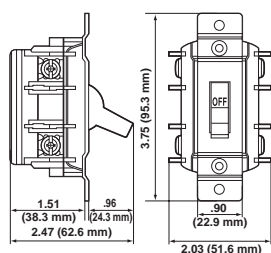
### TESTING & CODE COMPLIANCE

- MS devices: UL & CUL Listed (File #E-63969)
- WS devices: UL Recognized Component (File #E-63969)
- MS & WS devices comply with UL 508
- Backed by a Limited Ten-Year Warranty

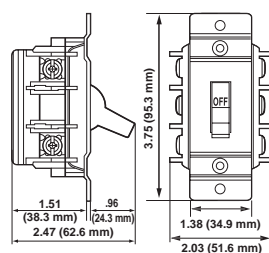
### MATERIAL CHARACTERISTICS

UL94 VO Flammability Rating  
Operating Temperature: -40°C to 65°C

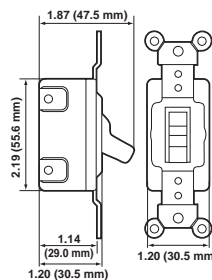
For more information regarding matching wallplates, colors, materials, single and multi-gang, refer to Wallplates, section G.



Cat. Nos. MS302, MS303



Cat. Nos. MS402, MS403



Cat. No. WS402