BRYANT®

TECH·SPEC®

Manual Motor Controllers / Disconnects

Overview

Reliable Solutions for Safety and Compliance

Bryant® motor controllers are "suitable as motor disconnects," which means that every motor controller can also be used as a motor disconnect. From a safety perspective, this means a motor load can be isolated and locked out in one convenient location. By utilizing Bryant's compact motor controllers and disconnects, you enhance your application with the convenience of one device fulfilling two needs. Bryant offers flexibility, strict compliance with UL standards, and high quality that advances productivity and safety for your application.

Bryant® Reasoning and Approach:

- NEC 430.102 requires that all motor controllers have a disconnecting means located within the line of sight of the controller. This is a critical safety requirement to ensure that motors can be safely isolated for service or maintenance.
- Bryant's approach is to design motor controllers that are also "suitable as motor disconnects," meaning a single device fulfills both roles. This design is supported by compliance with UL standards (UL 60947-1 and UL 60947-4-1), which are recognized benchmarks for industrial control equipment.

How Bryant Ensures Compliance:

1. Dual Functionality: Every Bryant motor controller is engineered to serve as both a controller and a disconnect. This means you can activate or deactivate the motor and safely isolate it for maintenance with one device.
2. UL Listing: Bryant controllers are listed as "suitable as motor disconnects" under UL 60947-1 and UL 60947-4-1. This listing verifies that the devices meet rigorous standards for both controlling and disconnecting motor loads, including withstanding overloads and high short-circuit fault currents.
3. Line-of-Sight Requirement: The products are specifically designed to comply with NEC 430.102(B), ensuring that the disconnecting means is within the line of sight of the controller. This enhances safety and simplifies installation.
4. Support for Lockout/Tagout: Bryant's controllers support OSHA lockout/tagout requirements, further ensuring that employees can safely service equipment.
5. Flexible Solutions: Bryant offers both pre-assembled NEMA enclosures and component switches, allowing users to select the best fit for their application while maintaining compliance.

Example Implementation:

- In a typical industrial setting, a Bryant motor controller can be installed near a motor. Because it is both a controller and a disconnect, maintenance personnel can lock out the device at the same location, ensuring compliance with NEC 430.102 and OSHA safety standards.

Bryant ensures compliance with NEC 430.102 by providing motor controllers that double as disconnects, are UL listed for both functions, and are designed for installation within the required line of sight. This approach simplifies compliance, enhances safety, and supports regulatory requirements.



Features and Benefits

- Thermoset body provides high resistance to electrical arc tracking.
- Silver alloy contacts for excellent conductivity and extended life
- Available NEMA 1, 3/3R and 4X enclosures
- Undrilled enclosures available for custom placement of entry positions
- Lockout / Tagout capability
- Switch sizes in 30A, 40A, 60A and 100A up to 600 VAC
- 2-pole and 3-pole switch configurations
- Use in indoor and outdoor environments
- Quick make, slow break design
- UL Listed as "Suitable as Motor Disconnect" under UL 508
- Wiring conduit knockouts on NEMA 1 and 3R controllers / disconnects
- Compact design

Listings

- UL Listed and Recognized
  - Category NLRV, UL file #E70402
- CSA Certified File 46186
- Flammability - UL 94HB/V
- Standards
  UL 508
  UL 60947-1
  CSA C22.2 No 14

Applications

- Can be used locally at the motor
- "Suitable as a motor disconnect"
- Across-the-line motor starting
- Industrial machines
- Automation
- Switch contacts AC rated only (not DC rated).

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Quick Selection Guide

Manual Motor Controllers / Disconnects

TECH·SPEC®



30002D



40003D



4002



60002D



30102D, 30103D



30322D, 30323D



30302D, 30303D



60302D, 60303D



664X33D



664X63D

Toggle Switch AC Motor Controllers / Disconnects

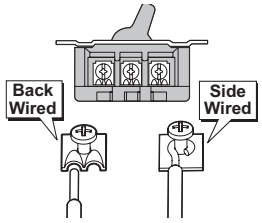
Part Number	Description	Amperage	Phase	Poles	Wired	Price
30002D	Switch only, 30A, 2-pole, 15 hp @ 600 VAC - Standard Toggle	30	1	2	Back and Side	$40.00
30003D	Switch only, 30A, 3-pole, 20 hp @ 600 VAC - Standard Toggle	30	3	3	Back and Side	$83.00
4002*	Switch only, 40A, 2-pole, 5 hp @ 600 VAC - Standard Toggle	40	1	2	Side	$50.00
40002D	Switch only, 40A, 2-pole, 15 hp @ 600 VAC - Standard Toggle	40	1	2	Side	$69.00
40003D	Switch only, 40A, 3-pole, 20 hp @ 600 VAC - Standard Toggle	40	3	3	Side	$110.00
60002D	Switch only, 60A, 2-pole, 20 hp @ 600 VAC - Standard Toggle	60	1	2	Back	$118.00
60003D	Switch only, 60A, 3-pole, 30 hp @ 600 VAC - Standard Toggle	60	3	3	Back	$147.00

*Motor controller only ("Not suitable as disconnect")

Toggle Switch AC Motor Controller Accessories

Part Number	Description	Price
30003FG	Finger guards; red; for use with 30A and 40A Switches (Set of 2)	$10.00
30100	NEMA 1 enclosure without switch, use with 30002D and 30003D	$28.00

Example
Back and Side Wired



Enclosed Toggle Switch AC Motor Controllers / Disconnects

Part Number	Description	Included Switch	Amperage	Phase	Poles	Enclosure	Price
30102D	Enclosed, 30A, 2-pole, NEMA 1	30002D Standard Toggle	30	1	2	NEMA 1 Metal	$51.00
30103D	Enclosed, 30A, 3-pole,NEMA 1	30003D Standard Toggle	30	3	3		$108.00
30302D	Enclosed, 30A, 2-pole, Aluminum	30002D Standard Toggle	30	1	2	NEMA 3R Metal	$74.00
30303D	Enclosed, 30A, 3-pole, Aluminum	30003D Standard Toggle	30	3	3		$135.00
30322D*	Enclosed, 30A, 2-pole, Plastic	30002DS Short Toggle	30	1	2	NEMA 3R Thermoplastic	$88.00
30323D*	Enclosed, 30A, 3-pole, Plastic	30003DS Short Toggle	30	3	3		$95.00
60302D*	Enclosed, 60A, 2-pole, Aluminum	60002FWD Standard Toggle	60	1	2	NEMA 3R Metal	$176.00
60303D*	Enclosed, 60A, 3-pole, Aluminum	60003FWD Standard Toggle	60	3	3		$205.00

*Switch is not available as a separate item

NEMA 4X Enclosed Rotary Switch AC Motor Controllers / Disconnects

Part Number	Description	Included Switch	Amperage	Phase	Poles	Enclosure	Price
664X33D*	Enclosed, 30A, 3-pole, NEMA 4X	66033D Rotary	30	3	3	NEMA 4X Thermoplastic	$185.00
664X63D*	Enclosed, 60A, 3-pole, NEMA 4X	66033D Rotary	60	3	3		$230.00

*Switch is not available as a separate item

NEMA 4X Enclosed Rotary Switch AC Motor Controller Accessories

Part Number	Description	Price
30003FG	Finger Guards; red; for use with 30A and 40A Switches (Set of 2)	$10.00
660AC*	SPDT Auxiliary contact N.O. / N.C.; includes one contact for use with push-on terminals; use with 664X33D and 664X63D	$26.50
6610MK	Rotary handle replacement kit, use with 664X33D and 664X63D. (Nema 1 rating) Must use gasket replacement kit 664XWP for NEMA 4X rating.	$20.00
664XWP	NEMA 4X enclosure gasket replacement kit; includes 4 seals, neoprene bushing and 3 o-rings; use with 664X33D and 664X63D	$14.50
664XFT	NEMA 4X enclosure mounting feet	$12.50
6603N	NEMA 4X enclosure neutral buss connector	$61.00

*660AC Terminal is a quick connect terminal #250

BRYANT®
Quick Selection Guide

Manual Motor Controllers / Disconnects

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BRYDS30



BRYDS60



BRYDS30SS



BRYDS60SS

NEMA 4X/12 Rotary Disconnect Switches

Part Number	Description	Amperage	Phase	Poles	Enclosure	Price
BRYDS30	Enclosed rotary, 30A, non-metallic - Standard	30A	3	3	NEMA 4X/12 thermoplastic	$227.00
BRYDS30AC	Enclosed rotary, 30A, non-metallic - with auxiliary contacts	30A	3	3		$255.00
BRYDS30VFD	Enclosed rotary, 30A, non-metallic - with early-break auxiliary contact for VFDs	30A	3	3		$269.00
BRYDS30NK	Enclosed rotary, 30A, non-metallic - no conduit entry or hub	30A	3	3		$235.00
BRYDS30ACNK	Enclosed rotary, 30A, non-metallic - with auxiliary contacts, no conduit entry	30A	3	3		$284.00
BRYDS33ACNK	Enclosed rotary, 30A, non-metallic - with (3) auxiliary contacts, no conduit entry	30A	3	3		$318.00
BRYDS60	Enclosed rotary, 60A, non-metallic - Standard	60A	3	3		$364.00
BRYDS60AC	Enclosed rotary, 60A, non-metallic - with auxiliary contacts	60A	3	3		$395.00
BRYDS60VFD	Enclosed rotary, 60A, non-metallic - with early-break auxiliary contact for VFDs	60A	3	3		$395.00
BRYDS100	Enclosed rotary, 100A, non-metallic - Standard	100A	3	3		$503.00
BRYDS100AC	Enclosed rotary, 100A, non-metallic - with auxiliary contacts	100A	3	3		$556.00
BRYDS100VFD	Enclosed rotary, 100A, non-metallic - with early-break auxiliary contact for VFDs	100A	3	3		$539.00
BRYDS30SS	Enclosed rotary, 30A, 304 stainless steel - Standard	30A	3	3	NEMA 4X/12 304 stainless steel	$443.00
BRYDS30SSAC	Enclosed rotary, 30A, 304 stainless steel - with auxiliary contacts	30A	3	3		$473.00
BRYDS30SSVFD	Enclosed rotary, 30A, 304 stainless steel - with early-break auxiliary contact for VFDs	30A	3	3		$477.00
BRYDS60SS	Enclosed rotary, 60A, 304 stainless steel - Standard	60A	3	3		$619.00
BRYDS60SSAC	Enclosed rotary, 60A, 304 stainless steel - with auxiliary contacts	60A	3	3		$665.00
BRYDS60SSVFD	Enclosed rotary, 60A, 304 stainless steel - with early-break auxiliary contact for VFDs	60A	3	3		$618.00
BRYDS100SS	Enclosed rotary, 100A, 304 stainless steel - Standard	100A	3	3		$755.00

All units are 600 VAC, non-fusible, load break capable, front operated, wall mount, rotary handle, UL60947-4-1 rated; suitable as Motor Disconnect.

NEMA 4X/12 Rotary Disconnect Switch Accessories

Part Number	Description	Price
BRYDS30RC	Replacement cover for 30A non-metallic disconnect switches; includes stainless steel mounting screws	$72.00
BRYDS60RC	Replacement cover for 60A non-metallic disconnect switches; includes stainless steel mounting screws and gasket	$91.00
BRYDS100RC	Replacement cover for 100A non-metallic disconnect switches; includes stainless steel mounting screws and gasket	$91.00
BRYRPLCFT30	Replacement mounting feet for 30A non-metallic disconnect switches, package of 10; mounting hardware included	$15.00
BRYDS30SSRC	Replacement cover for 30A stainless steel disconnect switches; includes stainless steel mounting screws and gasket	$117.00
BRYDS60SSRC	Replacement cover for 60A stainless steel disconnect switches; includes stainless steel mounting screws and gasket	$155.00
BRYDS100SSRC	Replacement cover for 100A stainless steel disconnect switches; includes stainless steel mounting screws and gasket	$155.00

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Manual Motor Controllers / Disconnects

Toggle Switch

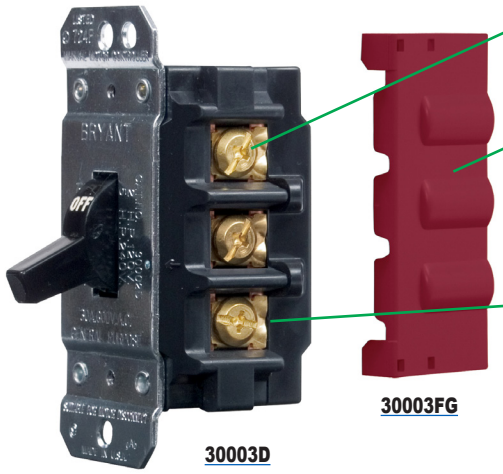
Toggle AC manual motor controllers can be integrated into your equipment design as a manual motor controller or as a motor disconnect. Quick-make and slow break operation provides reliability and long life. Each toggle switch controller has a 10,000A high fault short circuit withstand rating.

Toggle Switch Features

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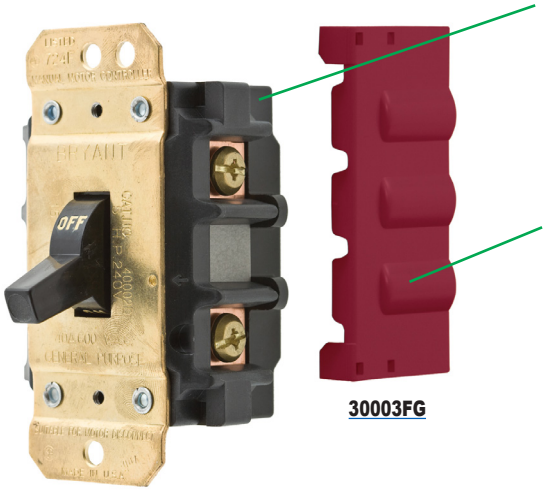
Thermoset Body

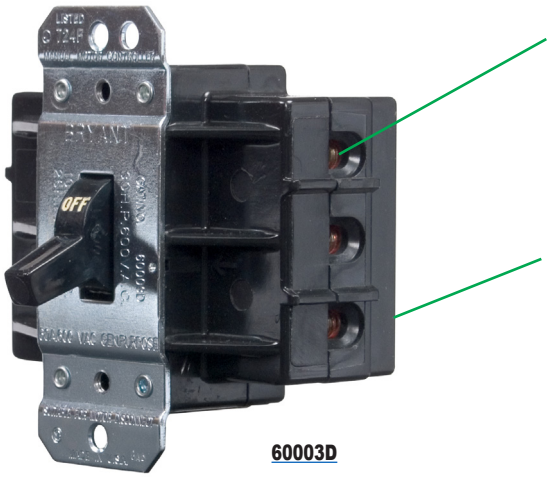
- Provides high resistance to electrical arc tracking
- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength



Silver alloy contacts

- ***Four large contacts per pole***
- ***Excellent conductivity***
- ***Extended life***





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Manual Motor Controllers / Disconnects

Toggle Switch

Toggle Switch AC Motor Controllers / Disconnects

Part Number	Amperage	Phase	Poles	HP Ratings				Wired	Price
				120 VAC	240 VAC	480 VAC	600 VAC		
30002D	30	1	2	2	5	10	15	Back and Side	$40.00
30003D	30	3	3	3	7.5	15	20	Back and Side	$83.00
4002*	40	1	2	2	5	10	15	Side	$50.00
40002D	40	1	2	2	5	10	15	Side	$69.00
40003D	40	3	3	3	7.5	15	20	Side	$110.00
60002D	60	1	2	–	10	15	20	Back	$118.00
60003D	60	3	3	–	10	25	30	Back	$147.00

*Motor controller only ("Not suitable as disconnect")



30002D



40003D



4002

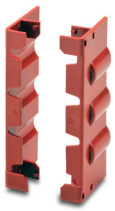


60002D

Toggle Switch AC Motor Controller Accessories

Part Number	Description	Price
30003FG	Finger guards; red; for use with 30A and 40A switches (Set of 2)	$10.00
30100	NEMA 1 enclosure without switch, use with 30002D and 30003D	$28.00

TECH·SPEC®



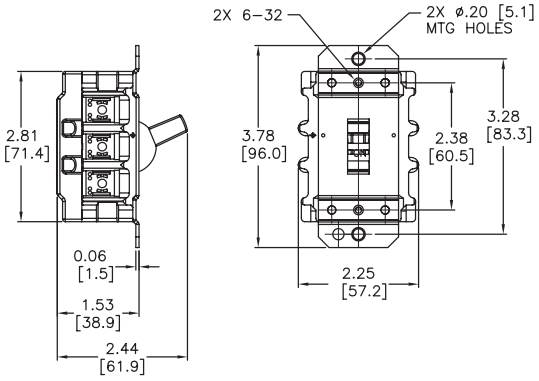
30003FG



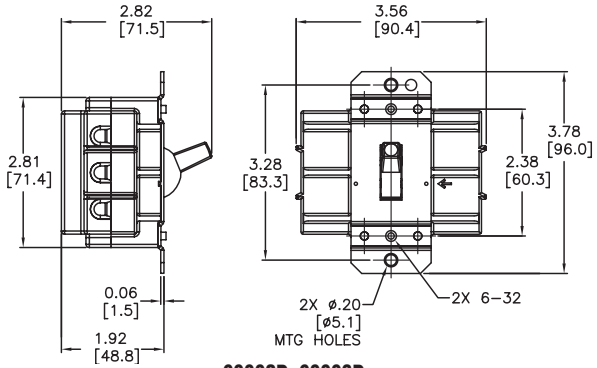
30100

Dimensions

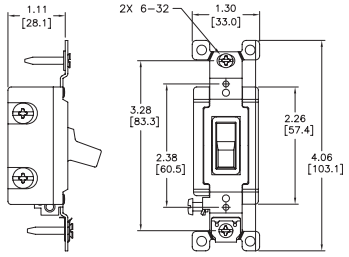
(in [mm])



30002D, 30003D, 40002D, 40003D



60002D, 60003D



4060003D02

Dimensions are approximate
Not for construction purposes

BRYANT®

Manual Motor Controllers / Disconnects

Enclosed Toggle Switch

Enclosed toggle AC manual motor controllers feature NEMA 1 or NEMA 3R enclosures and can be used as motor controllers or disconnects. The NEMA 1 metal enclosed switches are ideal for use in indoor environments. The thermoplastic and metal NEMA 3R enclosed switches are raintight for use outdoors.

Enclosed Toggle Switch Features

NEMA 1 Motor Controllers / Disconnects

Wiring conduit knockouts

- 1/2in and 3/4in NPT
- Top, bottom or back wire entry points
- Surface mount control

NEMA 3 / 3R Motor Controllers / Disconnects

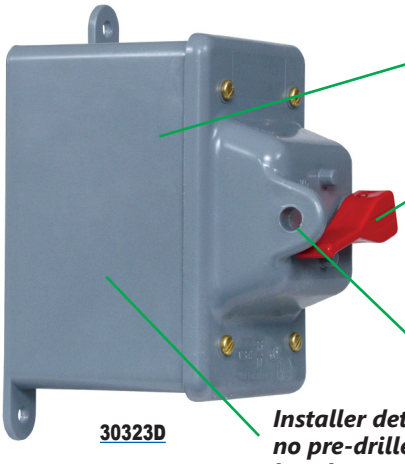
- Raintight enclosures
- Designed for surface mounting



Lockout / Tagout capability

All aluminum cover and base; base is pre-drilled for rear surface mounting

30103D



Valox® enclosure; chemical and impact resistant

External activation lever switch

Lockout / Tagout capability

Installer determined wire entry; no pre-drilled openings or knockouts

30323D

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Raintight drip shield top; rolled seamless sides

All aluminum cover and base; base is pre-drilled for rear surface mounting

Wiring conduit knockouts; 1/2 inch NPT KO for 30 amp; bottom or back wire entry points

30303D



All aluminum cover and base; base is pre-drilled for rear surface mounting

Lockout / Tagout capability

Wiring conduit knockouts; 3/4 inch / 1 inch NPT KO for 60 amp; bottom or back wire entry points

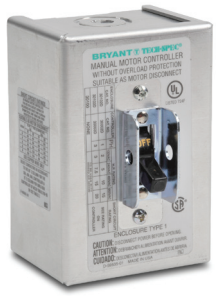
60303D

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Manual Motor Controllers / Disconnects

Enclosed Toggle Switch



30102D, 30103D



30302D, 30303D



30322D, 30323D



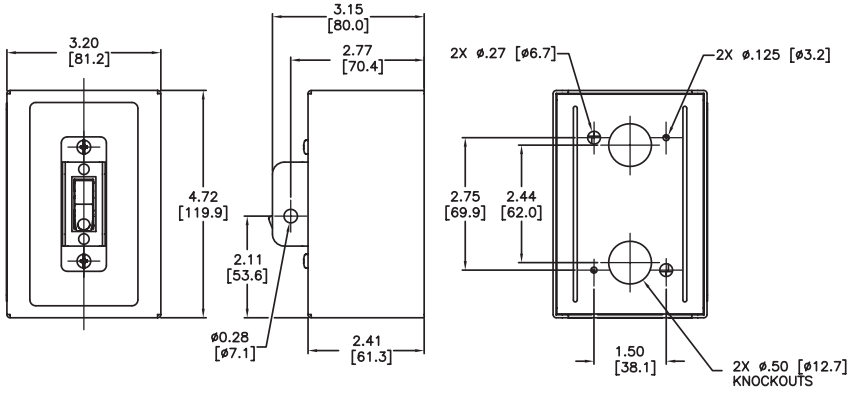
60302D, 60303D

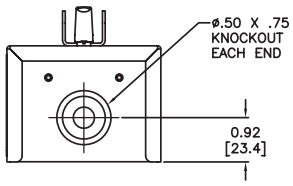
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Enclosed Toggle Switch AC Motor Controllers / Disconnects									
Part Number	Amperage	Phase	Poles	HP Ratings				Enclosure	Price
				120 VAC	240 VAC	480 VAC	600 VAC		
30102D	30	1	2	2	5	10	15	NEMA 1 Metal	$51.00
30103D	30	3	3	3	7.5	15	20		$108.00
30302D	30	1	2	2	5	10	15	NEMA 3R Metal	$74.00
30303D	30	3	3	3	7.5	15	20		$135.00
30322D	30	1	2	2	5	10	15	NEMA 3R Thermoplastic	$88.00
30323D	30	3	3	–	7.5	15	20		$95.00
60302D*	60	1	2	–	10	15	20	NEMA 3R Metal	$176.00
60303D*	60	3	3	–	10	25	30		$205.00

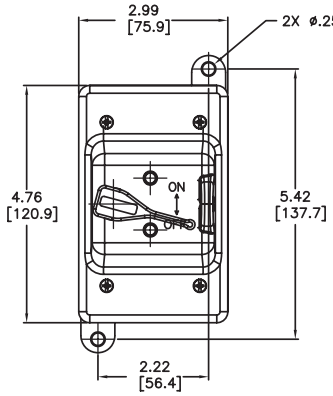
*Switch is not available as a separate item

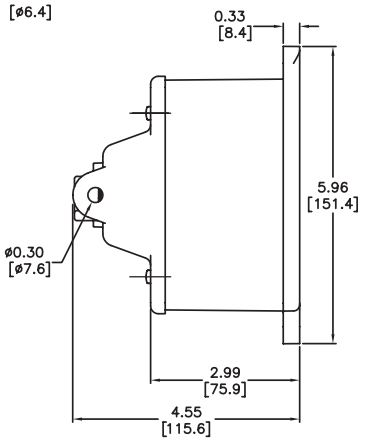
Dimensions (in [mm])





30102D, 30103D





30322D, 30323D

Dimensions are approximate - Not for construction purposes

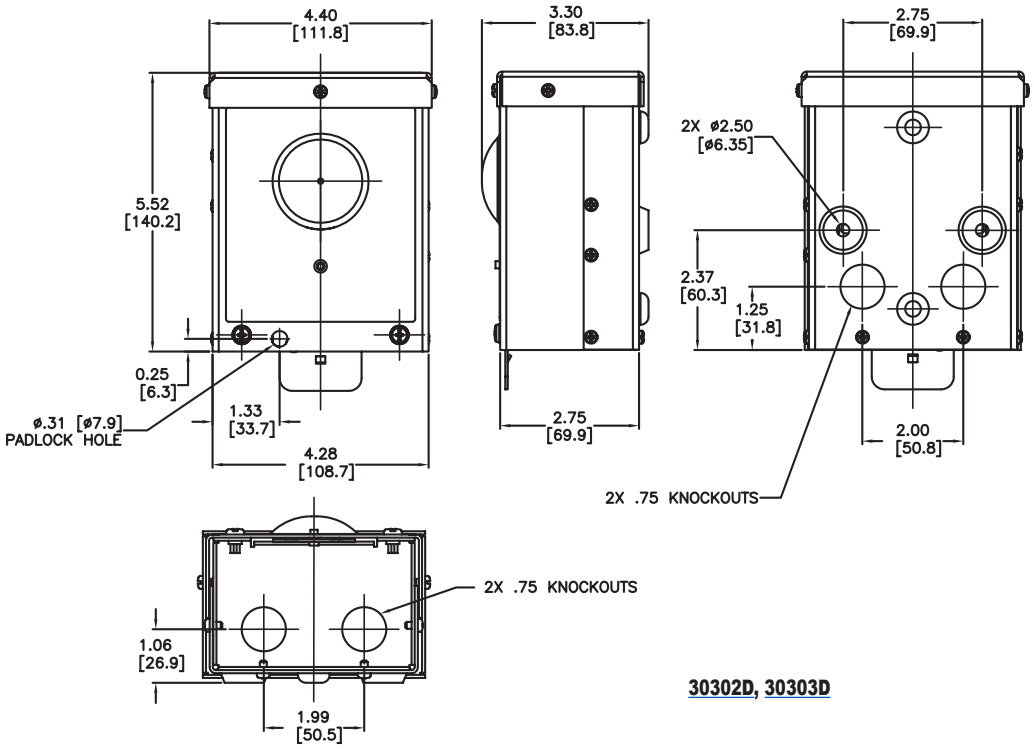
BRYANT®

Manual Motor Controllers / Disconnects

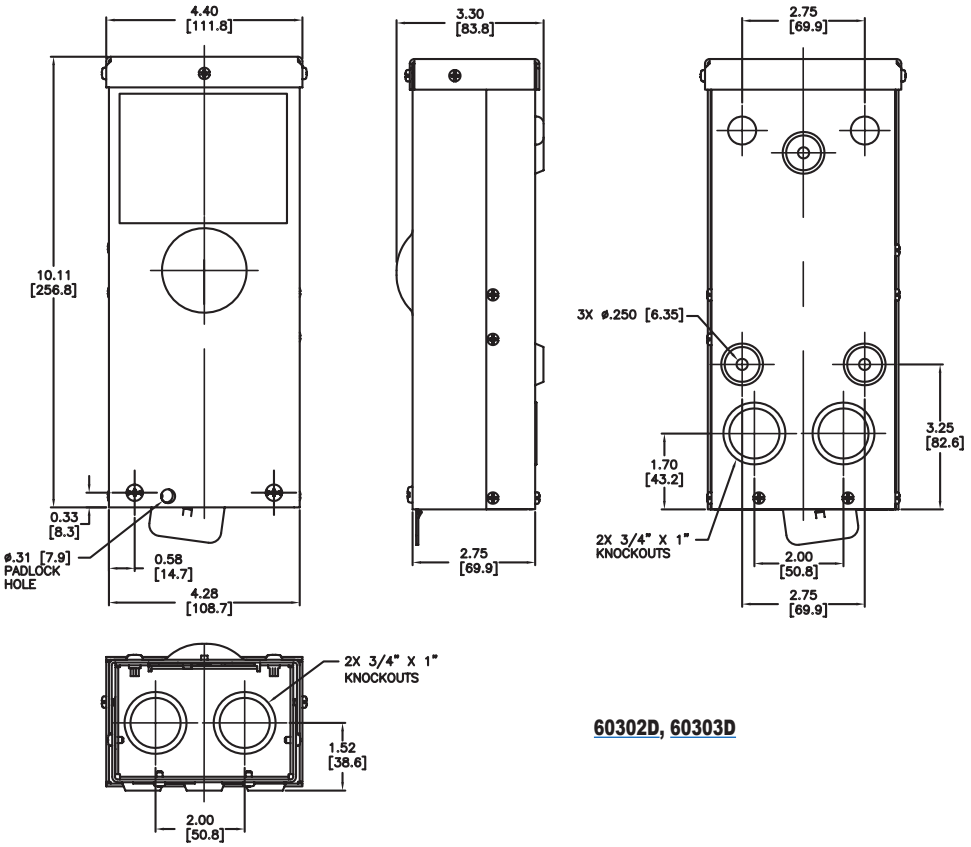
Enclosed Toggle Switch

TECH·SPEC®

Dimensions (in [mm])



30302D, 30303D



60302D, 60303D

BRYANT®

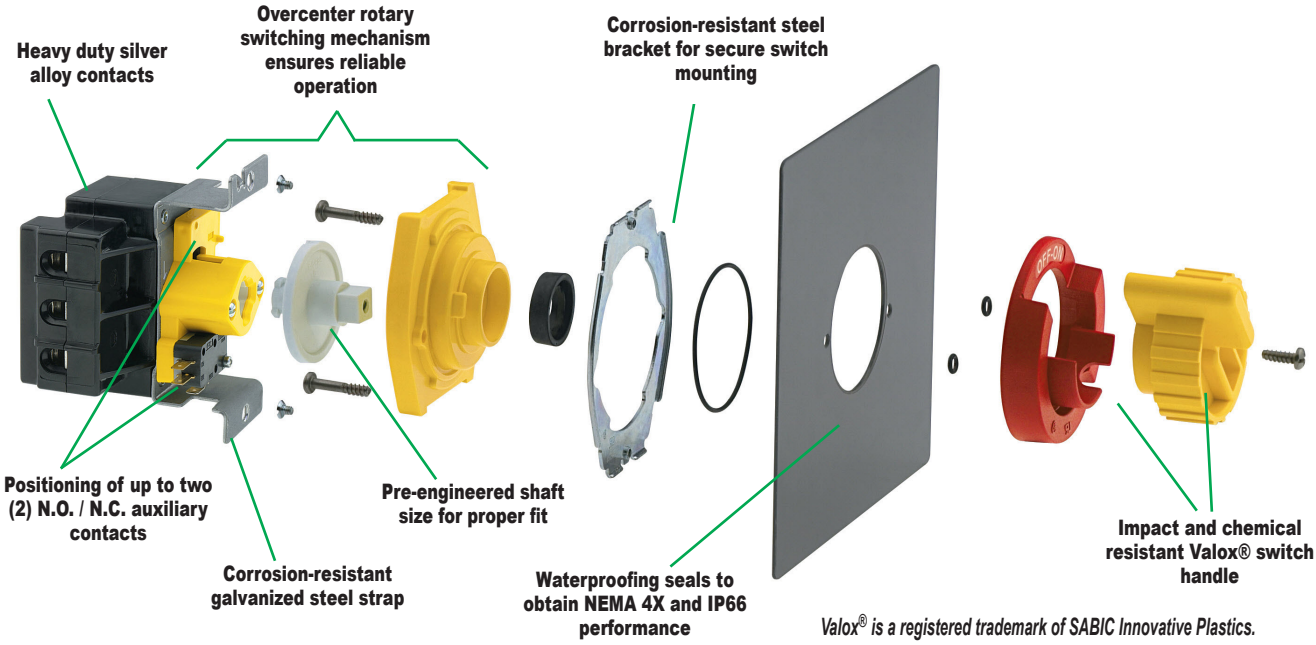
Manual Motor Controllers/ Disconnects

TECH·SPEC®

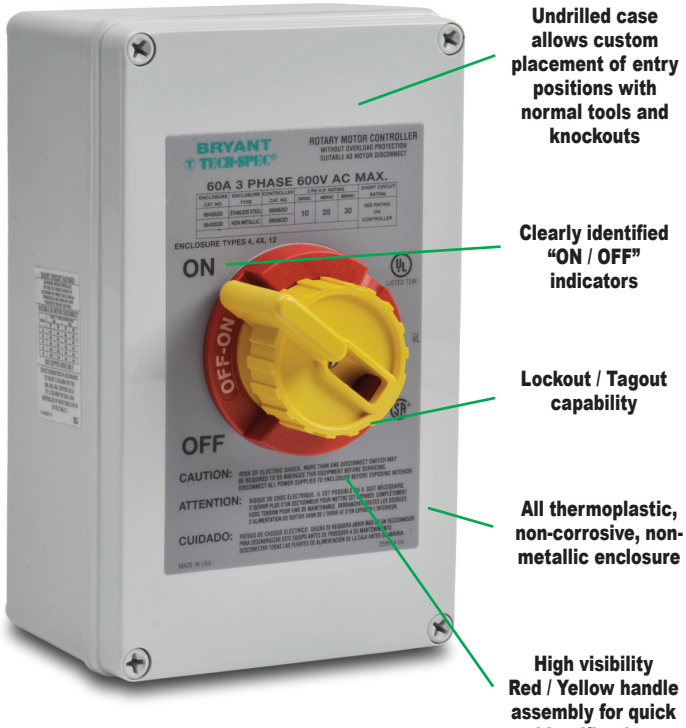
NEMA 4X Enclosed Rotary Switch

NEMA 4X enclosed toggle switch AC manual motor controllers are ideal for heavy wash down and corrosive environments. They feature thermoplastic bodies and can be used as a motor controller or disconnect.

NEMA 4X Enclosed Rotary Switch Features



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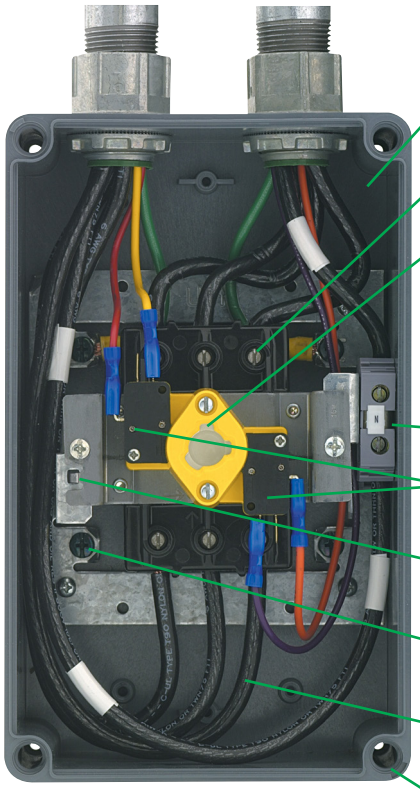
Undrilled case allows custom placement of entry positions with normal tools and knockouts

Clearly identified "ON / OFF" indicators

Lockout / Tagout capability

All thermoplastic, non-corrosive, non-metallic enclosure

High visibility Red / Yellow handle assembly for quick identification



Wire bending space for drip loops

Accessible front wiring termination

Interlocking shaft handle assembly prevents cover removal when in the "ON" position

Neutral bus bar

Two positions for auxiliary contacts

Keyed one-way device mounting

Four grounding screws

Knuckle room for easy wiring

Keyed base and cover

BRYANT®

NEMA 4X Enclosed Rotary Switch

Manual Motor Controllers/Disconnects

NEMA 4X Enclosed Rotary Switch AC Motor Controllers

Part Number	Amperage	Phase	Poles	HP Ratings				Enclosure	Price
				120 VAC	240 VAC	480 VAC	600 VAC		
664X33D*	30	3	3	3	7.5	15	20	NEMA 4X Thermoplastic	$185.00
664X63D*	60	3	3	–	10	25	30		$230.00

*Sold as a complete unit only



664X33D

NEMA 4X Enclosed Rotary Switch AC Motor Controller Accessories

Part Number	Description	Price
30003FG	Finger Guards; red; for use with 30A and 40A Switches (Set of 2)	$10.00
660AC*	SPDT Auxiliary contact N.O. / N.C. includes one contact for use with push-on terminals, use with 664X33D and 664X63D	$26.50
6610MK	Rotary handle replacement kit, use with 664X33D and 664X63D (Nema 1 rating) Must use gasket replacement kit 664XWP for NEMA 4X rating.	$20.00
664XWP	NEMA 4X enclosure gasket replacement kit; includes 4 seals, neoprene bushing and 3 o-rings; use with 664X33D and 664X63D	$14.50
664XFT	NEMA 4X enclosure mounting feet	$12.50
6603N	NEMA 4X enclosure neutral bus connector	$61.00

*660AC Terminal is a quick connect terminal #250



30003FG



660AC



6610MK



664XWP



664XFT



6603N

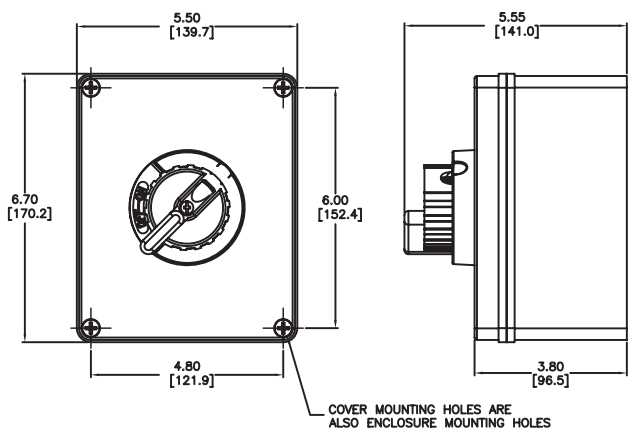


664X63D

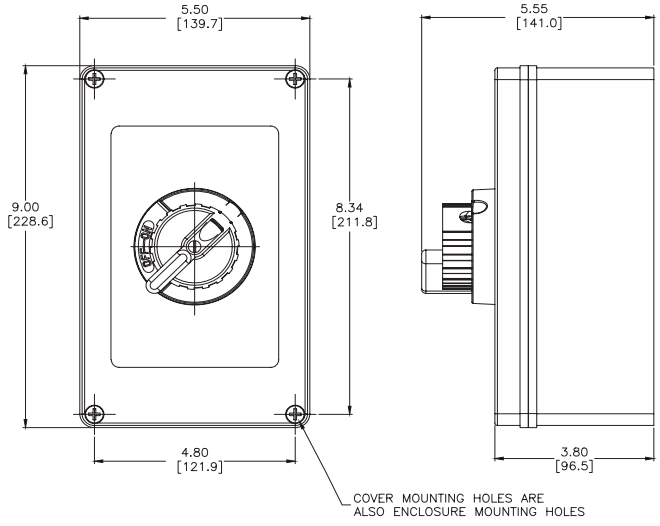
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Dimensions (in [mm])

Dimensions are approximate
Not for construction purposes



664X33D



664X63D

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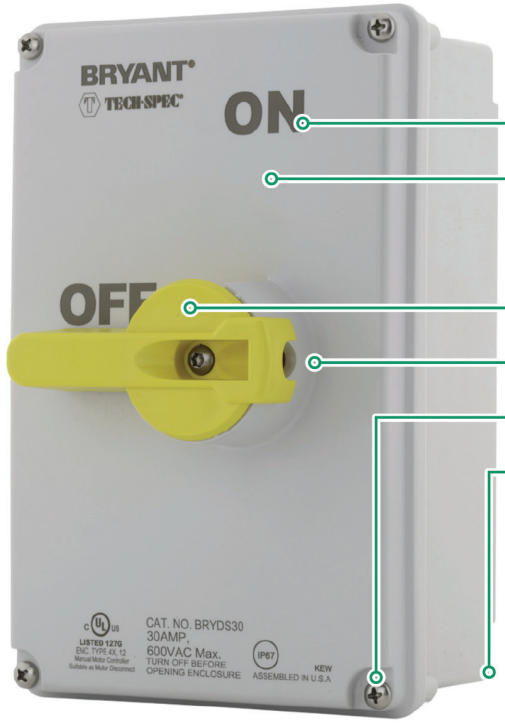
Non-Metallic Rotary Disconnect

Manual Motor Controllers/Disconnects

Bryant TECH-SPEC non-metallic rotary disconnect switches are UL60947-4-1 rated, Suitable as Motor Disconnect, 3-pole manual motor disconnects housed in a corrosion- and impact-resistant, UV-stabilized PBT thermoplastic NEMA 4X/12 enclosure. Available in 30A, 60A and 100A, with optional factory-installed auxiliary contacts including an early-break contact for VFD applications.

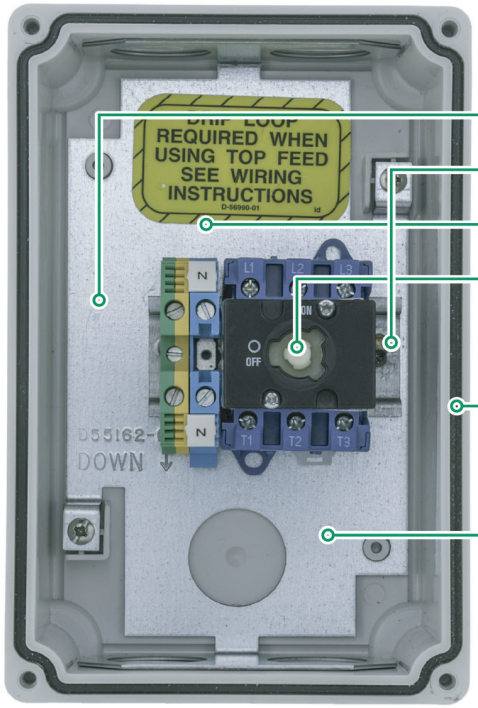
Non-Metallic Rotary Disconnect Features

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- Silk Screen Markings
- Cover Removal
  Cannot be removed with switch in the "on" position
- High Visibility Yellow Rotary Handle
- OSHA LO/TO (lockout/tagout) Handle
- Stainless Steel Captive Screws
- Movable Mounting Feet
  (not shown)

BRYDS30



- Wire Bending Space
- Two Positions for Auxiliary Contacts
- Neutral Buss Bar
- Interlocking Shaft Handle Assembly
  Prevents cover removal when in the "on" position
- Nitrile Rubber Gasket
  Excellent resistance to oil, fuel, and chemicals
- Internal Frame Automatically Bonds All Grounds

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Non-Metallic Rotary Disconnect

Manual Motor Controllers/Disconnects

NEMA 4X/12 Non-Metallic Rotary Disconnect Switches

Part Number	Amperage	HP Ratings				Auxiliary Contacts	Includes	Drawing Link	Price
		120 VAC	240 VAC	480 VAC	600 VAC				
BRYDS30	30A	1	7.5	15	15	None	(1) 3/4in NPT Raintight conduit fitting, (4) feet	PDF	$227.00
BRYDS30AC	30A	1	7.5	15	15	(1) N.O./(1) N.C.	(1) 3/4in NPT Raintight conduit fitting, (4) feet	PDF	$255.00
BRYDS30VFD	30A	1	7.5	15	15	(1) N.O. early break	(1) 3/4in NPT Raintight conduit fitting, (4) feet	PDF	$269.00
BRYDS30NK	30A	1	7.5	15	15	None	(4) feet	PDF	$235.00
BRYDS30ACNK	30A	1	7.5	15	15	(1) N.O./(1) N.C.	(4) feet	PDF	$284.00
BRYDS33ACNK	30A	1	7.5	15	15	(2) N.O./(2) N.C. and (1) N.O. early break	(4) feet	PDF	$318.00
BRYDS60	60A	3	15	25	25	None	(2) 1-1/4in NPT Raintight conduit fittings, (4) feet	PDF	$364.00
BRYDS60AC	60A	3	15	25	25	(1) N.O./(1) N.C.	(2) 1-1/4in NPT Raintight conduit fittings, (4) feet	PDF	$395.00
BRYDS60VFD	60A	3	15	25	25	(1) N.O. early break	(2) 1-1/4in NPT Raintight conduit fittings, (4) feet	PDF	$395.00
BRYDS100	100A	7.5	30	50	50	None	(2) 1-1/4in NPT Raintight conduit fittings, (4) feet	PDF	$503.00
BRYDS100AC	100A	7.5	30	50	50	(1) N.O./(1) N.C.	(2) 1-1/4in NPT Raintight conduit fittings, (4) feet	PDF	$556.00
BRYDS100VFD	100A	7.5	30	50	50	(1) N.O. early break	(2) 1-1/4in NPT Raintight conduit fittings, (4) feet	PDF	$539.00

All units are NEMA 4X/12 (IP69K) rated, 3-phase, 3-pole, 600 VAC, non-fusible, load break capable, front operated, wall mount, rotary handle, UL60947-4-1 rated, with a PBT thermoplastic enclosure.

BRY(X) Type NEMA 4X/12 Non-Metallic Rotary Disconnect Switch Accessories

Part Number	Description	Fits	Drawing Link	Price
BRYDS30RC	Replacement cover for 30A non-metallic disconnect switches; includes stainless steel mounting screws	Bryant TECH-SPEC BRY(x) 30A non-metallic disconnects	PDF	$72.00
BRYDS60RC	Replacement cover for 60A non-metallic disconnect switches; includes stainless steel mounting screws and gasket	Bryant TECH-SPEC BRY(x) 60A non-metallic disconnects	PDF	$91.00
BRYDS100RC	Replacement cover for 100A non-metallic disconnect switches; includes stainless steel mounting screws and gasket	Bryant TECH-SPEC BRY(x) 100A non-metallic disconnects	PDF	$91.00
BRYRPLCFT30	Replacement mounting feet for 30A non-metallic disconnect switches, package of 10; mounting hardware included	Bryant TECH-SPEC BRY(x) 30A non-metallic disconnects	PDF	$15.00



BRYDS30



BRYDS60



BRYDS30RC

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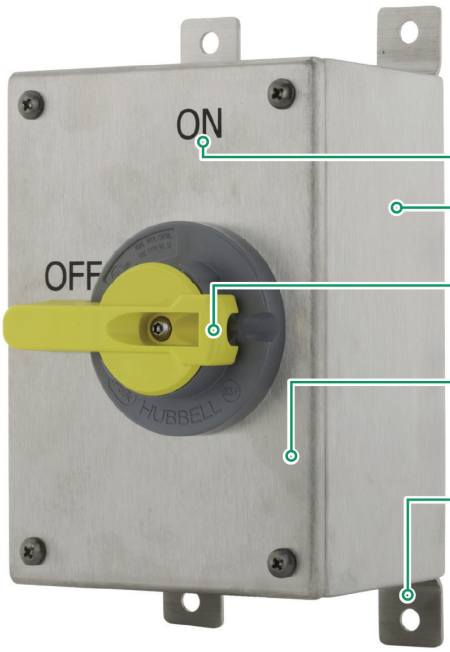
Manual Motor Controllers/Disconnects

Stainless Steel Rotary Disconnect

Bryant TECH-SPEC stainless steel rotary disconnect switches are UL60947-4-1 rated, Suitable as Motor Disconnect, 3-pole manual motor disconnects formed in nonporous 304 stainless steel and rated NEMA 4X/12. Available in 30A, 60A and 100A, with optional factory-installed auxiliary contacts including an early-break contact for VFD applications. A 65 kA short circuit withstand rating suits them to higher available-fault installations.

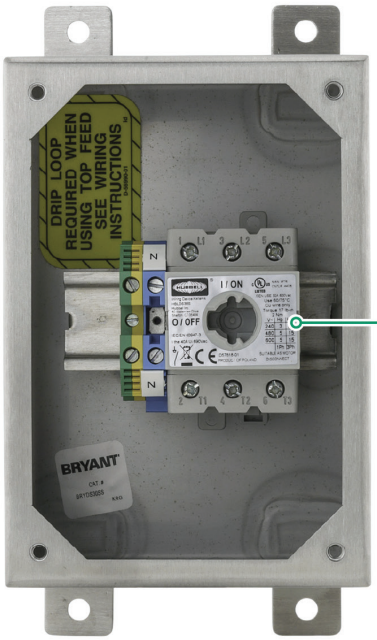
304 Stainless Steel Rotary Disconnect Features

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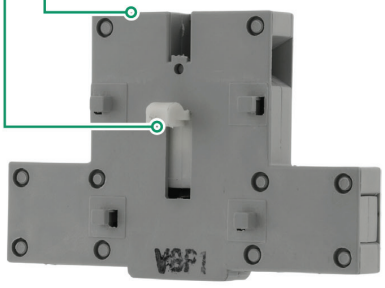


- Permanent Laser Markings
- Formed in Nonporous 304 Stainless Steel
- Highly Visible Yellow Handle
  Meets OSHA LO/TO (lockout/tagout) requirements
- Cover Removal
  Cannot be removed with switch in the "on" position
- Fixed Offset 1/4" Mounting Feet
  Meet NEC airspace requirements for metal enclosures

BRYDS30SS



- Accepts up to Two Auxiliary Contacts



- Pilot Duty Auxiliary contact rated up to 10A 600V
- Break Before Main Break Auxiliary Contact

BRYAUX2

BRYANT®

Stainless Steel Rotary Disconnect

Manual Motor Controllers/Disconnects

NEMA 4X/12 304 Stainless Steel Rotary Disconnect Switches

Part Number	Amperage	HP Ratings				Auxiliary Contacts	Includes	Drawing Link	Price
		120 VAC	240 VAC	480 VAC	600 VAC				
BRYDS30SS	30A	1	7.5	15	15	None	(1) 3/4in NPT Raintight conduit fitting	PDF	$443.00
BRYDS30SSAC	30A	1	7.5	15	15	(1) N.O./(1) N.C.	(1) 3/4in NPT Raintight conduit fitting	PDF	$473.00
BRYDS30SSVFD	30A	1	7.5	15	15	(1) N.O. early break	(1) 3/4in NPT Raintight conduit fitting	PDF	$477.00
BRYDS60SS*	60A	7.5	30	50	50	None	(2) 1-1/4in NPT Raintight conduit fittings	PDF	$619.00
BRYDS60SSAC*	60A	7.5	30	50	50	(1) N.O./(1) N.C.	(2) 1-1/4in NPT Raintight conduit fittings	PDF	$665.00
BRYDS60SSVFD*	60A	7.5	30	50	50	(1) N.O. early break	(2) 1-1/4in NPT Raintight conduit fittings	PDF	$618.00
BRYDS100SS*	100A	7.5	30	30	50	None	(2) 1-1/4in NPT Raintight conduit fittings	PDF	$755.00

All units are NEMA 4X/12 (IP69K) rated, 3-phase, 3-pole, 600 VAC, non-fusible, load break capable, front operated, wall mount, rotary handle, UL60947-4-1 rated, with a 304 stainless steel enclosure.
***Horsepower ratings are as published by the manufacturer.**

BRY(X) Type NEMA 4X/12 304 Stainless Steel Rotary Disconnect Switch Accessories

Part Number	Description	Drawing Link	Price
BRYDS30SSRC	Replacement cover for 30A stainless steel disconnect switches; includes stainless steel mounting screws and gasket	PDF	$117.00
BRYDS60SSRC	Replacement cover for 60A stainless steel disconnect switches; includes stainless steel mounting screws and gasket	PDF	$155.00
BRYDS100SSRC	Replacement cover for 100A stainless steel disconnect switches; includes stainless steel mounting screws and gasket	PDF	$155.00



BRYDS30SS



BRYDS60SS



BRYDS30SSRC

Manual Motor Controllers / Disconnects

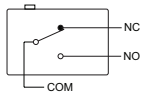
Specifications

TECH·SPEC®

General Specifications

Type	Part Number	Weight	Short Circuit Withstand Rating	Dielectric Voltage	Electrical Life	Max Working Voltage	Mechanical Life	Operating Temperature
Standard Toggle Switch	30002D	0.4 lb (181g)	10 kA 60A max J fuses	2,200 VAC minimum for 1 minute	6,000 cycles at rated switch load	600 VAC RMS	10,000 minimum cycles	-40 °C [-40 °F] to +60 °C [+140 °F]
	30003D	0.5 lb (227g)						
	4002	0.1 lb (45g)						
	40002D	0.4 lb (181g)						
	40003D	0.5 lb (227g)						
	60002D	0.7 lb (318g)	10 kA 80A max J fuses					
	60003D							
Enclosed Toggle Switch	30102D	1.0 lb (454g)	10 kA 60A max J fuses					
	30103D							
	30302D	1.3 lb (590g)						
	30303D							
	30322D	2.2 lb (998g)						
	30323D							
	60302D	1.9 lb (861g)	10 kA 80A max J fuses					
	60303D	2.0 lb (907g)						
Enclosed Rotary Switch	664X33D	2.5 lb (1,134g)						
	664X63D	3.0 lb (1,361g)						

NEMA 4X Enclosed Rotary Switch AC Motor Controller Accessory Specifications

Part Number		Switch Type	Load	Contact Material
660AC		SPDT	15A @ 250 VAC Resistive, 10A @ 250 VAC Inductive 10A @ 30 VDC Resistive and Inductive	Silver Alloy

Wiring Specifications

Type	Part Number	Cable Size		Tightening Torque	
Toggle Switch	30002D	14 to 10 AWG	2.5 to 6 mm^2	20 lb•in	2.3 N•m
	30003D				
	4002	14 to 8 AWG	2.5 to 10 mm^2		
	40002D				
	40003D				
	60002D	14 to 6 AWG	2.5 to 16 mm2	25 lb•in	2.8 N•m
	60003D				
Enclosed Toggle Switch	30102D	14 to 10 AWG	2.5 to 6 mm^2	20 lb•in	2.3 N•m
	30103D				
	30302D				
	30303D				
	30322D				
	30323D				
	60302D	14 to 6 AWG	2.5 to 16 mm^2	25 lb•in	2.8 N•m
	60303D				
Enclose Rotary Switch	664X33D				
	664X63D				

Note: Use of wire ferrules or crimping terminals not recommended. The wire gauges are specified above and in the installation instructions included with each manual motor controller.

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Specifications

Manual Motor Controllers / Disconnects

General Specifications

Type	Part Number	Weight	Dielectric Voltage	Max Working Voltage	Operating Cycles	Operating Temperature
NEMA 4X/12 Non-Metallic Rotary Disconnect	BRYDS30	2.3 lb (1,045g)	3,000 VAC minimum	600 VAC RMS	10,000 minimum cycles	-40 °C [-40 °F] to +75 °C [+167 °F]*
	BRYDS30AC	2.7 lb (1,214g)				
	BRYDS30VFD	2.7 lb (1,213g)				
	BRYDS30NK	2.4 lb (1,095g)				
	BRYDS30ACNK	2.5 lb (1,119g)				
	BRYDS33ACNK	2.6 lb (1,157g)				
	BRYDS60	3.1 lb (1,406g)				
	BRYDS60AC	3.2 lb (1,451g)				
	BRYDS60VFD	3.2 lb (1,451g)				
	BRYDS100	3.4 lb (1,525g)				
	BRYDS100AC	3.5 lb (1,588g)				
	BRYDS100VFD	3.5 lb (1,588g)				
NEMA 4X/12 304 Stainless Steel Rotary Disconnect	BRYDS30SS	4.9 lb (2,203g)				
	BRYDS30SSAC	4.9 lb (2,224g)				
	BRYDS30SSVFD	5.4 lb (2,427g)				
	BRYDS60SS	10.6 lb (4,785g)				
	BRYDS60SSAC	10.6 lb (4,785g)				
	BRYDS60SSVFD	10.4 lb (4,695g)				
	BRYDS100SS	10.5 lb (4,740g)				

***Minimum continuous -40 °C. Impact resistance is not rated below this temperature.**

Wiring Specifications 30A Disconnect Switch NM and SS

	Wire Size Range	Torque (lb-in)	Torque (N-m)	SCCR
30A Non-Metallic				
Switch Terminals	#8-14 AWG	12	1.4	Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes, 600 VAC maximum. Auxiliary contact (if installed) is suitable for use on a circuit not capable of delivering more than 3,000 rms symmetrical ampres, 600VAC maximum.
Ground Terminal	#6-16 AWG	14	1.6	
Neutral Terminal	#8-22 AWG	14	1.6	
Auxiliary Contact	#14–18 AWG	9	1.0	
60A Non-Metallic				
Switch Terminals	#4-12 AWG	25	2.8	Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes, 600 VAC maximum when protected by Class J fuses rated 60 amperes maximum. Auxiliary contact (if installed) is suitable for use on a circuit not capable of delivering more than 3,000 rms symmetrical ampres, 600VAC maximum.
Ground Terminal	#6-16 AWG	35	4.0	
Neutral Terminal	#6-14 AWG	35	4.0	
Auxiliary Contact	#14–18 AWG	9	1.0	
100A Non-Metallic				
Switch Terminals	#2-10 AWG	50	5.7	Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes, 600 VAC maximum when protected by Class J fuses rated 100 amperes maximum. Auxiliary contact (if installed) is suitable for use on a circuit not capable of delivering more than 3,000 rms symmetrical ampres, 600VAC maximum.
Ground Terminal	#6-16 AWG	35	4.0	
Neutral Terminal	#2-12 AWG	51	5.8	
Auxiliary Contact	#14–18 AWG	9	1.0	
30A Metallic SS				
Switch Terminals	#8-14 AWG	12	1.4	Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes, 600 VAC maximum. Suitable for use on a circuit capable of delivering not more than 65,000 rms symmetrical amperes, 600 VAC maximum when protected by Class J fuses rated 30 amperes maximum. Auxiliary contact (if installed) is suitable for use on a circuit not capable of delivering more than 3,000 rms symmetrical ampres, 600VAC maximum.
Ground Terminal	#6-16 AWG	14	1.0	
Neutral Terminal	#8-22 AWG	14	1.6	
Auxiliary Contact	#14–18 AWG	9	1.0	
60A & 100A Metallic SS				
Switch Terminals	#2-10 AWG	50	5.7	Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes, 600 VAC maximum. Suitable for use on a circuit capable of delivering not more than 65,000 rms symmetrical amperes, 600 VAC maximum when protected by Class J fuses rated 100 amperes maximum. Auxiliary contact (if installed) is suitable for use on a circuit not capable of delivering more than 3,000 rms symmetrical ampres, 600VAC maximum.
Ground Terminal	#6-16 AWG	35	4.0	
Neutral Terminal (60A)	#6-14 AWG	35	4.0	
Neutral Terminal (100A)	#2-12 AWG	44	5.0	
Auxiliary Contact	#14–18 AWG	10	1.2	

Manual Motor Controllers/Disconnects, Unfused Pin and Sleeve Mechanical Interlocks Accessories

Manual Motor Controllers/Disconnects, Unfused Pin and Sleeve Mechanical Interlock Accessories Selection Guide			
Part Number	***Price***	***Description***	***Drawing***
BRYAUX1*	$32.00	Field installable auxiliary contact, side mount, (1) N.O./(1) N.C. contact, 10A @ 600 VAC/2.5A @ 600 VDC, screw terminal. For use with Bryant disconnects, pin and sleeve mechanical interlocks 20–100A. Break after main break. Hubbell part number HBLAC1	PDF
BRYAUX2*	$32.00	Field installable auxiliary contact, side mount, (1) N.O. contact, 10A @ 600 VAC/2.5A @ 600 VDC, screw terminal. For use with Bryant disconnects, pin and sleeve mechanical interlocks 20–100A. Break before main break. Hubbell part number HBLAC2. For VFD applications.	PDF
BRYMIRS20	$67.00	Disconnect switch, replacement, 3-pole, 20A. For use with disconnect BRYDS30XX, 20A Bryant pin and sleeve mechanical interlocks. Hubbell part number HBLDS3RS.	PDF
BRYMIRS30	$150.00	Disconnect switch, replacement, 3-pole, 30A. For use with BRYDS60XX, 30A Bryant pin and sleeve mechanical interlocks. Hubbell part number HBL30MIRS.	PDF
BRYMIRS60100	$218.00	Disconnect switch, replacement, 3-pole, 100A. For use with BRYDS1000XX, 60 & 100A Bryant pin and sleeve mechanical interlocks. Hubbell part number HBLDS60100RS.	PDF
BRYRPLCFT	$19.00	Mounting feet, replacement. Package of 10 feet and 10 screws. For use with Bryant pin and sleeve mechanical interlocks 20–100A. Hardware included.	PDF

***Up to two auxiliary contacts per enclosure. Not for use with BRYDS33ACNK.**



BRYAUX1



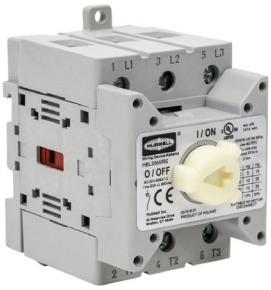
BRYAUX2



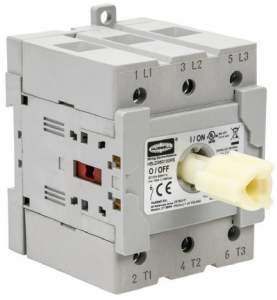
BRYRPLCFT



BRYMIRS20



BRYMIRS30



BRYMIRS60100