



MotorQuick™

HUBBELL

Quick Disconnect Switches



**ROYAL ELECTRIC SUPPLY
COMPANY**

3233 W Hunting Park Avenue, Philadelphia PA 19132-1845
(800) 79-ROYAL (215) 221-1200 fax (215) 221-1201
advisors@royalelectric.com www.royalelectric.com

WE GET IT
24/7 Emergency Material Access

REDUCE DOWNTIME... INCREASE PRODUCTIVITY!



Wiring Device-Kellems

MotorQuick™ is a new and innovative product offering that enables faster installation and replacement of motors.

New & Innovative

By utilizing the plug-and-play technology of the

LINKOSITY™ power system and the versatility of the **Circuit-Lock™** motor disconnect switches, Hubbell has designed a product line that will drastically reduce the time it takes to replace motors. Having a LINKOSITY inlet pre-wired to the junction box

Plug & Play Technology

of a spare motor allows for the majority of the work to be done when it is convenient, not CRITICAL. This also allows for a test bench to be set up in the motor shop to ensure that the motor is wired properly prior to installation.

More Production Time

Motor change-out time will be **reduced**

by over 65%! This means that production will be up and running in a fraction of the time. Because “time is money”



you will save hundreds or even thousands of dollars every time you change-out a motor using the MotorQuick product from Hubbell Wiring Device-Kellems.

Reduced Cost of Ownership



Cost of Ownership Analysis

Traditional Motor Changeout*

Catalog Number	Total Material Cost	Labor Cost/Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost
HBL1389D	\$106.00	\$53.00	1 hour	\$53.00	\$750.00	\$750.00	\$909.00
HBLDS3	\$185.00	\$53.00	1 hour	\$53.00	\$750.00	\$750.00	\$988.00

MotorQuick™ Motor Changeout*

Catalog Number	Total Material Cost	Labor Cost/Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	Total Savings
HBL1389MQ**	\$299.00	\$53.00	20 minutes	\$17.67	\$750.00	\$250.00	\$566.67	\$342.33
HBLDS3MQ**	\$411.00	\$53.00	20 minutes	\$17.67	\$750.00	\$250.00	\$678.67	\$309.33

* Calculated using RS Means Cost Works 2005.

** MotorQuick catalog numbers are based on the average cost of the various designs.

Thermoplastic Cover on Plated Steel Base

Lockable Handle to Meet OSHA Lockout/Tagout Regulations

NEMA 1 Enclosure

Prewired with LINKOSITY™ Components

Crush and Impact Resistance of MC Cable

Cable Ratings: TC-ER, MTW, ST00W

Type 4X Enclosure

Lockable Handle to Meet OSHA Lockout/Tagout Regulations

High Impact VALOX® Enclosure

Ordering Information

Type 1	30A 3 Pole 600V AC	Catalog Number
HBL1389D	with one pre-wired LINKOSITY™ female receptacle (load side)	HBL1389MQR
HBL1389D	with 5 foot pre-wired LINKOSITY™ female cable (load side)	HBL1389MQ5
HBL1389D	with one pre-wired LINKOSITY™ male receptacle (line side) and one pre-wired LINKOSITY™ female receptacle (load side)	HBL1389MQR2

Type 4X	30A 3 Pole 600V AC	Catalog Number
HBLDS3	with one pre-wired LINKOSITY™ female receptacle (load side)	HBLDS3MQR
HBLDS3	with 5 foot pre-wired LINKOSITY™ female cable (load side)	HBLDS3MQ5
HBLDS3	with one pre-wired LINKOSITY™ male receptacle (line side) and one pre-wired LINKOSITY™ female receptacle (load side)	HBLDS3MQR2

Accessories

3P4W LINKOSITY™ male receptacle for installation on motor	RM3004PA001
3P4W LINKOSITY™ double ended (male/female) 5-50 foot cable	PH3004PA0XX*
Lock-on cover for LINKOSITY™ Connections	PH2030C

* Double ended cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the XX with the required length in feet. (Examples **PH3004PA005**=5 foot cable, **PH3004PA015**=15 foot cable)

Sample Set Up

(1) HBLDS3MQR	(1) RM3004PA001	(1) PH3004PA005	Total Set Up**
	+		+
			=

** Retrofit kits available for pre-existing disconnect switch installations. Please consult factory for availability.

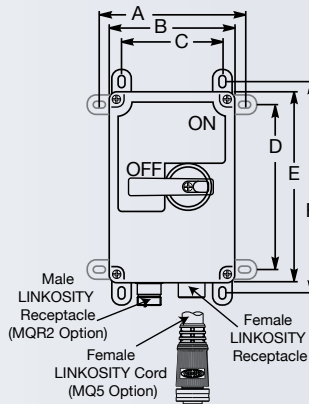
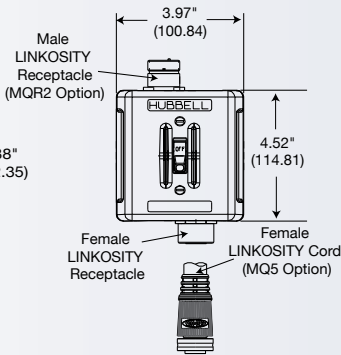
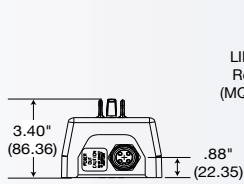




Dimensions

Type 1

Type 4X



30A

Key	inch	(mm)
A	6.00	152
B	5.12	130
C	4.12	105
D	6.62	168
E	7.62	194
F	8.50	216
G	4.12	105

HP Rating

120V AC	3
240V AC	7.5
480V AC	15
600V AC	20

HP Rating

120V AC	1
240V AC	7.5
480V AC	15
600V AC	15

Specifications

Type 1

Type 4X

Electrical Performance

Dielectric Voltage	2,200V AC minimum for 1 minute	2,200V AC minimum for 1 minute
Electrical Life	6,000 cycles with load	6,000 cycles with load
Max. Working Voltage	600V AC RMS	600V AC RMS
Short Circuit Withstand Rating as Motor Disconnect	10,000 RMS symmetrical amps when tested with 60A max J fuses	10,000 RMS symmetrical amps
Short Circuit Withstand Rating as Motor Controller	10,000 RMS symmetrical amps when tested with 125A RK5 fuses	5,000 RMS symmetrical amps

Mechanical

Mechanical Life	10,000 minimum cycles	10,000 minimum cycles
Terminal Accommodations	Amps 30 AWG Min. #14 AWG Max. #10	Amps 30 AWG Min. #14 AWG Max. #10
Terminal Torque	30 20 inch pounds	30 20 inch pounds
Impact Resistance	—	UL746C

Environmental

Flammability	UL94HB/V-0	UL94-5VA and V0 Classification
Operating Temp.	Max. continuous 60 °C Min. continuous w/out impact -40 °C	Max. continuous 75 °C Min. continuous -40 °C

Listings

UL 508	Industrial Control Equipment File #E36355	Industrial Control Equipment File #E36355
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Specifications LINKOSITY™ Connection

Certifications

Connecting Components	Listed to UL 2238 and UL 50
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Electrical Performance

Voltage	Up to 600V AC
Amperage	Up to 30A

Environmental

Connectivity System Components	
Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP67 Suitability
Flammability	UL94HB cables / UL94V-0 receptacles

Materials

Connectivity System Components	
Contact Carrier	Nylon 6/6, white
Contact Materials	Pins - brass Sockets - leaded nickel cooper w/ stainless steel sleeve
Contact Plating	Hard gold over palladium/nickel
Overmold Material	Glass filled polyurethane, gray
Coupling Hardware	Nickel plated brass
Cable (16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or ST00W 600V 105°C

Other Available Literature



Circuit-Lock®
Manual Motor
Controllers and
Disconnects



LINKOSITY™
Wiring
Solutions



UL 4X
Convenience
Power in a Box