



MOTOR CONTROLS

FRANKLIN VARIABLE FREQUENCY DRIVE Q-LINK WITH BYPASS

DESCRIPTION

The Franklin Q-Link variable frequency drives with bypass are designed for HVAC motor control applications. The Q-Link bypass drives are offered in a horsepower range from 1/2hp to 40hp. These drives are equipped to work for 208VAC through 480VAC. The full max rated amperage horsepower capacity will vary depending on the voltage used. The bypass VFDs come with an SPST 3 pole contactor (up to 20HP), an SPST 4 pole contactor (25-40HP), and a disconnect. The disconnects rated amperages range from 1.6 to 63 depending on model and horsepower desired. All Q-Link VFDs come with BACnet and Modbus communication capability along with a user-friendly Bluetooth phone app for set up and maintenance, IOS or Android compatible. All Q-Link drives come with a cooling fan, real-time clock, internal fuse protection, and digital, analog, and relay inputs as well as outputs. The Q-Link drive is also available in NEMA 12 or NEMA 4X. (Factory configured upon request-not standard. Call Kele for more information.

FEATURES

- **Smartstart® protection features**
- **Single user interface**
- **Pass-through I/O**
- **Industry leading compact design**
- **Finger-safe power terminals**
- **Native BACnet/Modbus in bypass mode**



Q-Link with
Bypass

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SPECIFICATIONS

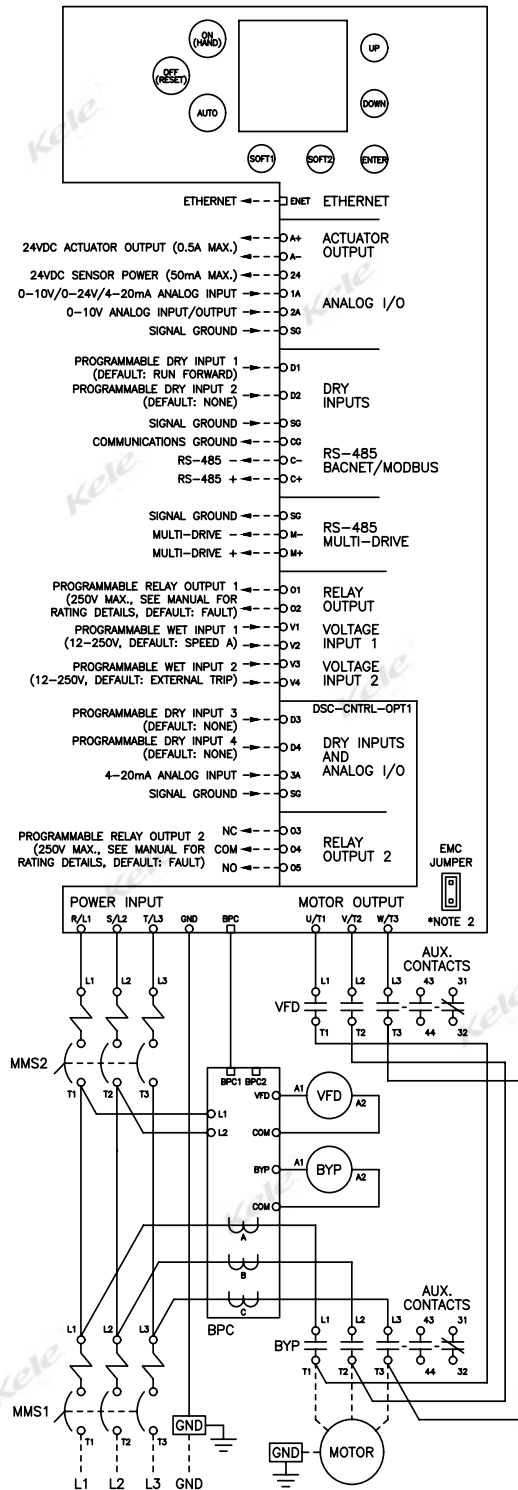
Input ratings		SCCR		100 KAIC fused protected short circuit current rating
Supply Voltage		Filter		R3 filtering to help meet IEEE519 & EN50160
		EMC		EN 61800-3 (radiated & conducted emissions)
Motor Rating		Communications		
Frequency Range		Protocol		BACnet MS/TP Modbus RTU, Bluetooth
Frequency Resolution		Operating Temperature		14 - 104°F (-10 to 40°C) subject to derate oules
Acceleration Time		Storage Temperature		-4°F to 149°F (-20 to 65°C)
Deceleration Time		Operating RH		0 - 95% (non-condensing)
Digital Inputs		Dimensions		See ordering information
Analog Inputs		Approvals		UL, cUL
Digital Outputs		Warranty		5 years
Damper Outputs				
Programming Method				
PID Loop Logging				

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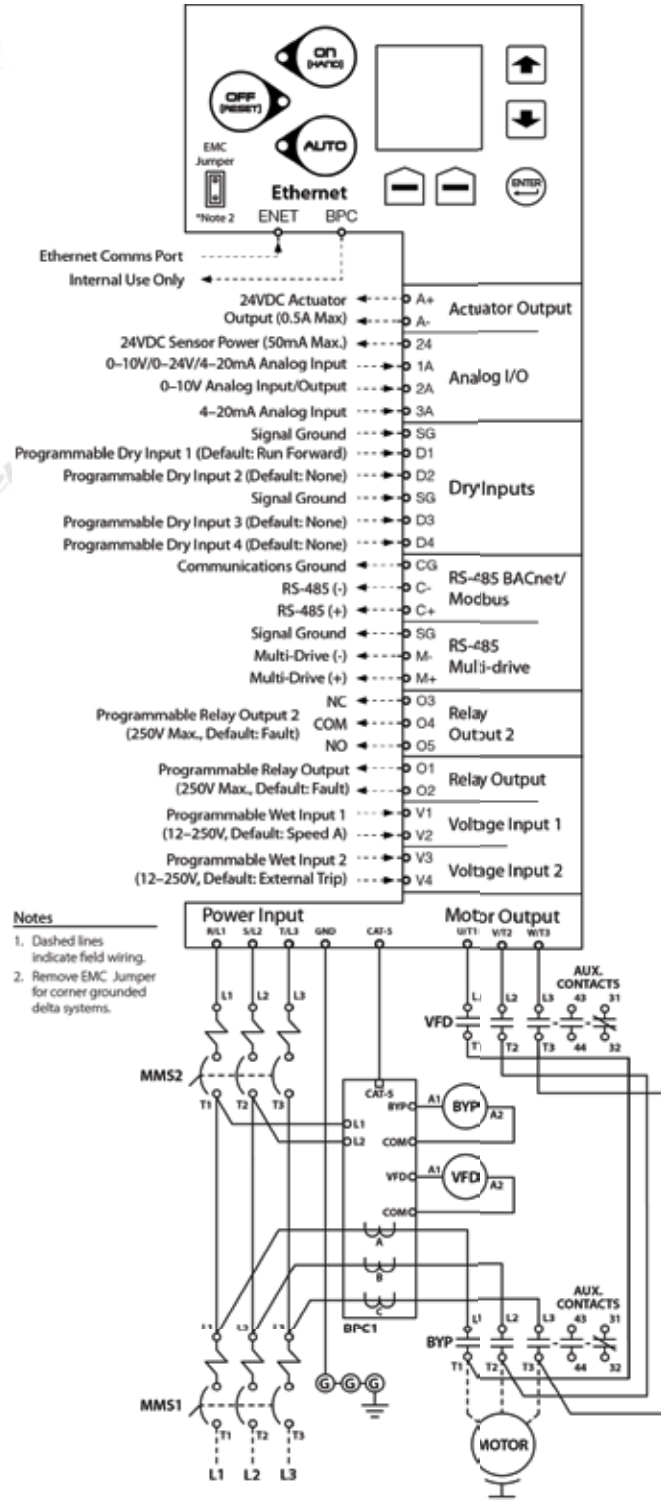
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WIRING



- NOTES**
1. DASHED LINES INDICATE FIELD WIRING.
 2. REMOVE EMC JUMPER FOR CORNER GROUNDED DELTA SYSTEMS.



- Notes**
1. Dashed lines indicate field wiring.
 2. Remove EMC Jumper for corner grounded delta systems.



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ORDERING INFORMATION

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Part Number	Full Load Amps (FLA)	HP @ 208V	HP @ 230V	HP @ 480V	NEMA Rating	Dimensions (HxWxD)
QLNK1-BYP003-DV-1.6	1.6	0.33	0.33	0.5	NEMA 1	31.75" x 5.5" x 6.75"
QLNK1-BYP003-DV-2.5	2.5	0.5	0.5	1		
QLNK1-BYP005-DV-4	4	0.75	0.75	1.5		
QLNK1-BYP009-DV-6	6	1	1.5	2		
QLNK1-BYP009-DV-8	8	2	2	3		
QLNK1-BYP012-DV-8	8	2	2	3		
QLNK1-BYP012-DV-10	10	2	3	5		
QLNK1-BYP012-DV-13	13	3	3	7.5		
QLNK1-BYP017-DV-13	13	3	3	7.5		
QLNK1-BYP017-DV-17	17	3	5	10		
QLNK1-BYP024-DV-22	22	5	7.5	15		
QLNK1-BYP028-DV-26	26	7.5	7.5	15		
QLNK1-BYP028-DV-32	32	7.5	10	20		
QLNK1-BYP038-DV-40	38	10	10	25		49.5" x 6.5" x 7.3"
QLNK1-BYP045-DV-40	40	10	10	30		
QLNK1-BYP056-DV-50	50	15	15	30		
QLNK1-BYP056-DV-63	56	15	20	40		
QLNK3-BYP003-DV-1.6	1.6	0.33	0.33	0.5	NEMA 3	36.5" x 26" x 16.5"
QLNK3-BYP003-DV-2.5	2.5	0.5	0.5	1		
QLNK3-BYP005-DV-4	4	0.75	0.75	1.5		
QLNK3-BYP009-DV-6	6	1	1.5	2		
QLNK3-BYP009-DV-8	8	2	2	3		
QLNK3-BYP012-DV-8	8	2	2	3		
QLNK3-BYP012-DV-10	10	2	3	5		
QLNK3-BYP012-DV-13	13	3	3	7.5		
QLNK3-BYP017-DV-13	13	3	3	7.5		
QLNK3-BYP017-DV-17	17	3	5	10		
QLNK3-BYP024-DV-22	22	5	7.5	15		
QLNK3-BYP028-DV-26	26	7.5	7.5	15		
QLNK3-BYP028-DV-32	32	7.5	10	20		