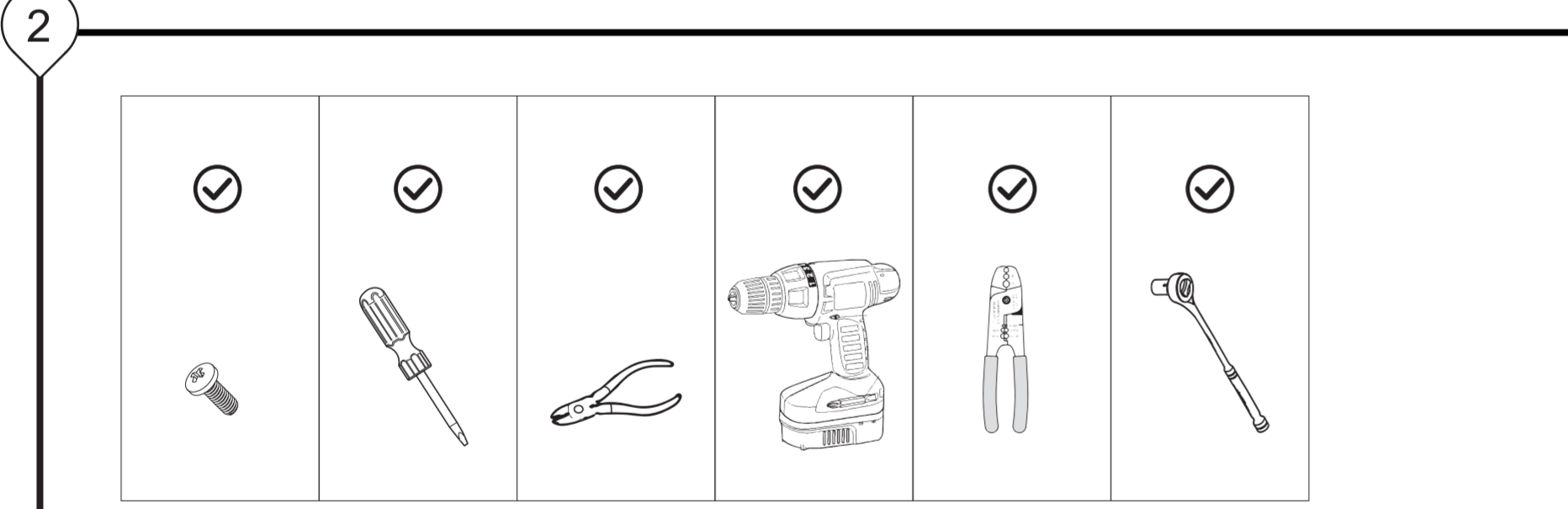


1

VOLTS	≧
KW / HP	≧
AMPS	≧
HERTZ	≧

DC	HV60CXXXXCFA		REV. A
MODEL	CIPR-HV60CXXXXCFAA-AAAAHA		
INP	PH 380-480V	AC3PH 4.0A	AC3PH 200-240V
	S13-745V	DC 821-745V	AC3PH 380-480V
	3PH 4.1A	AC3PH 3.8A	
	DC 5.0A	DC 4.6A	
	50/60Hz		50/60Hz
	3PH 0-480V	AC3PH 0-480V	
	1.5kW	3HP	



3

-10 °C to +50 °C
 0% to 95% RH
 ≤1000 m (3281 ft)
 • 10 Hz to 20 Hz: 1 G (9.8 m/s², 32.15 ft/s²)
 • 20 Hz to 55 Hz: 0.2 G (1.96 m/s², 6.43 ft/s²)

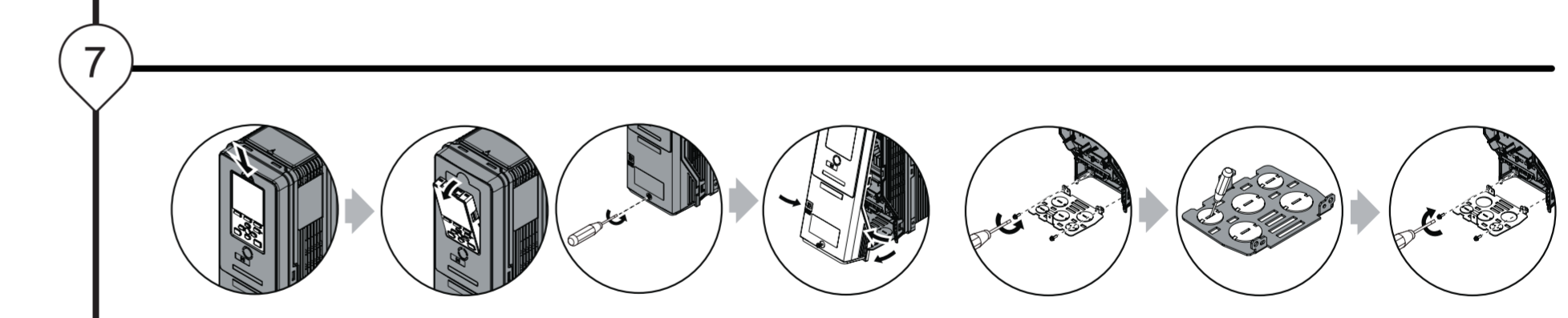
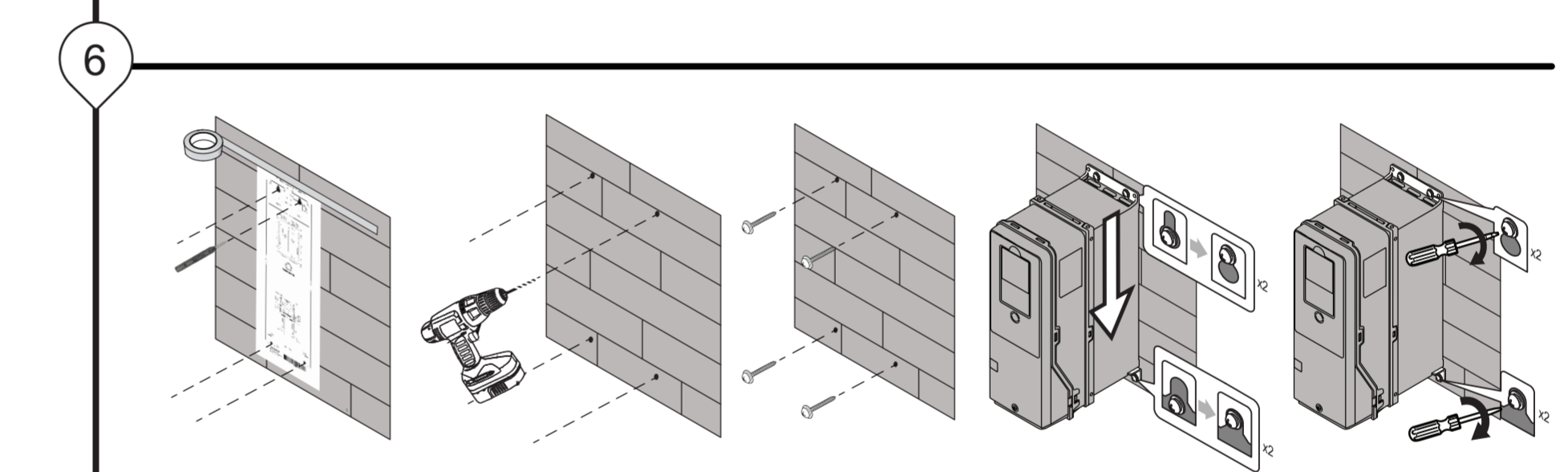
≤ Pollution Degree 2
 TOMPC71061733

4

L8-35 = 0: IP20/UL Open Type
 L8-35 = 1 [Installation Method Selection = Side-by-Side Mounting]

5

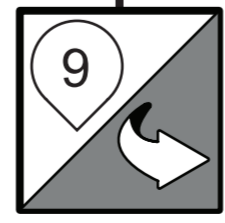
15 kg + (33 lbs +)



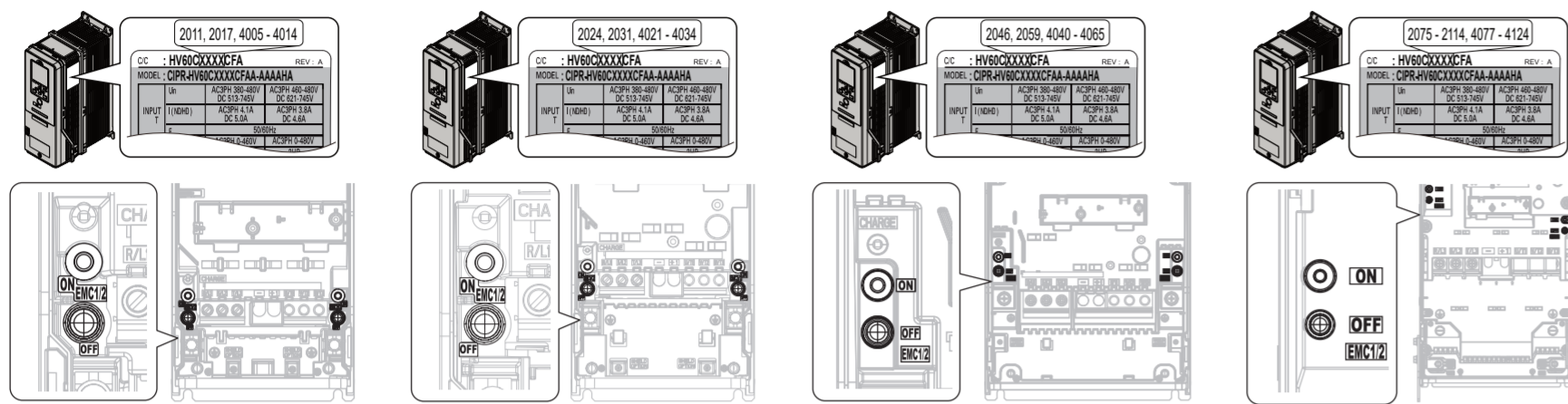
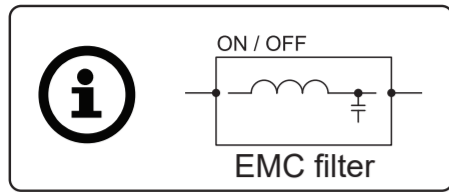
8

N·m

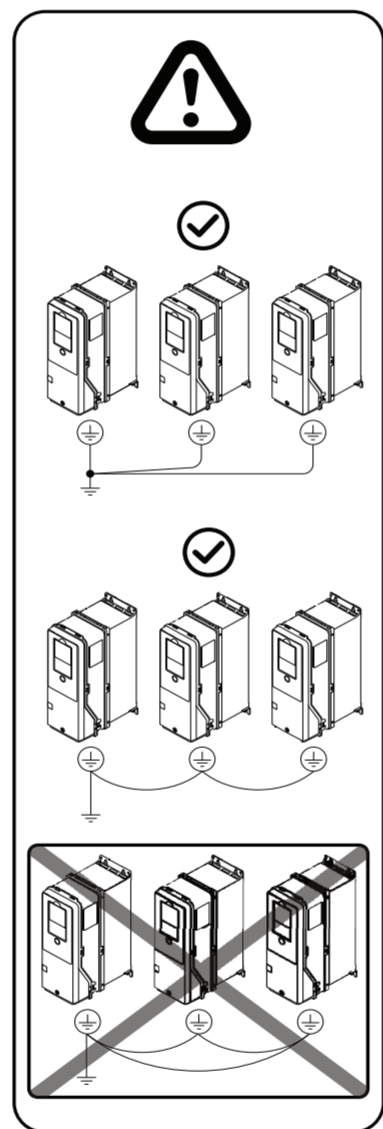
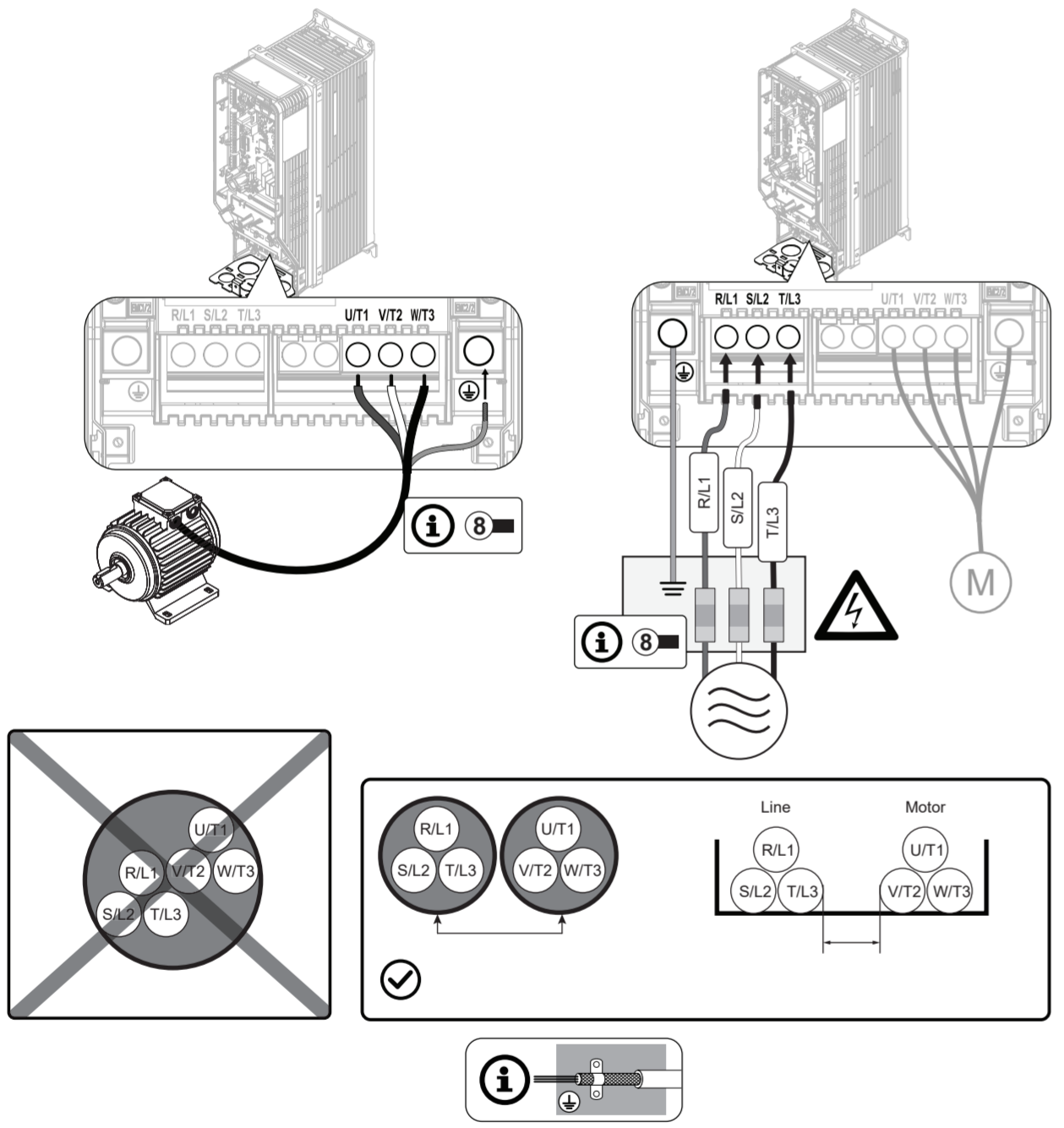
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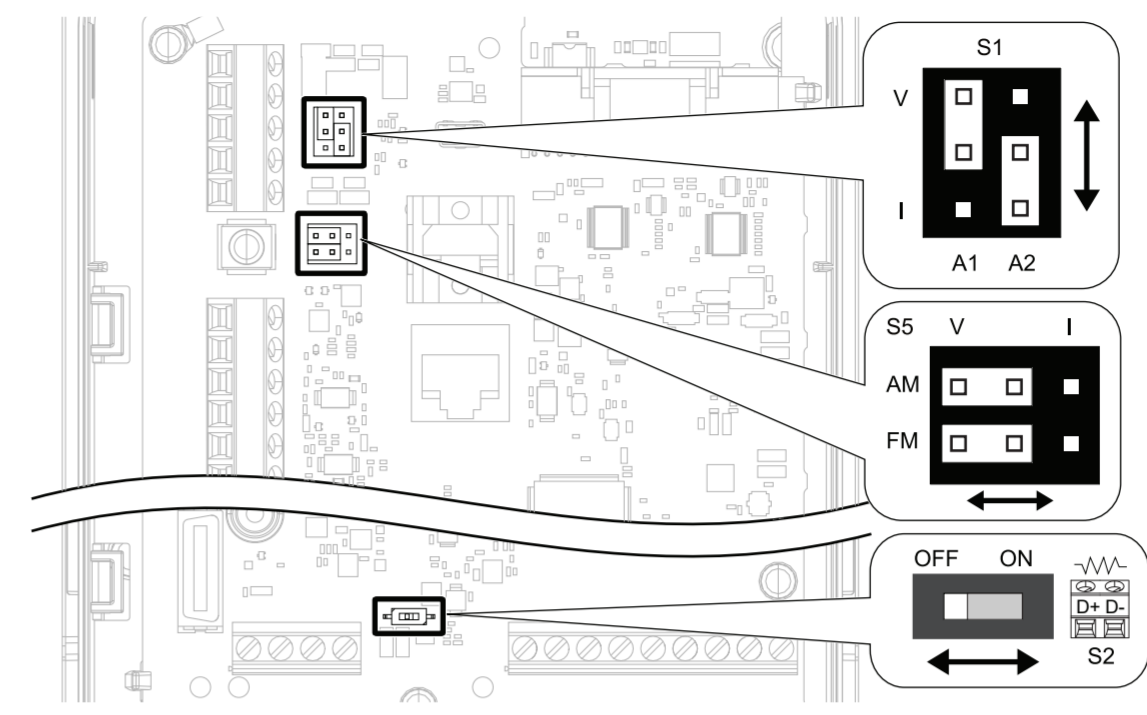
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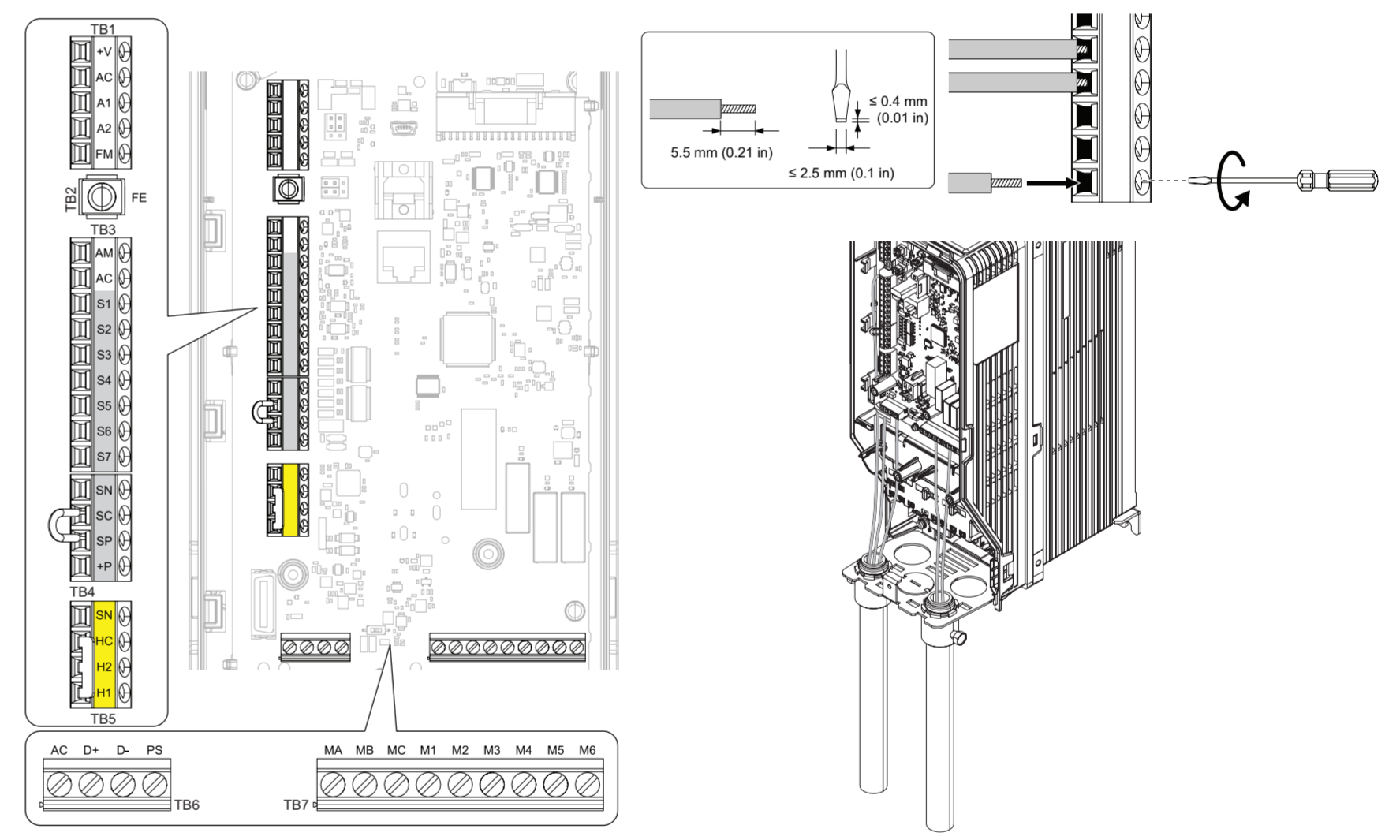
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11

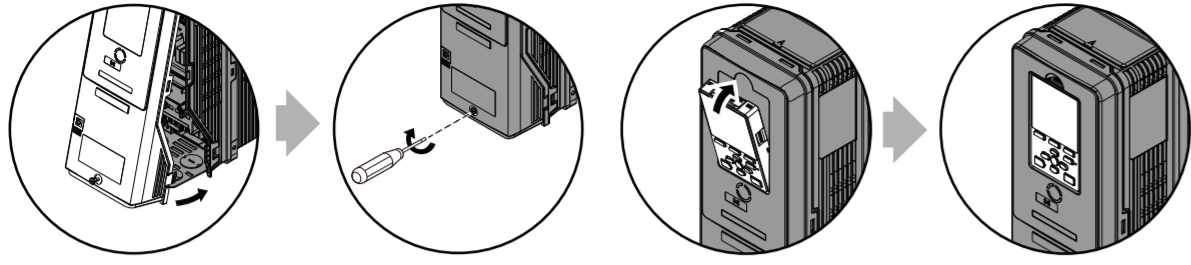


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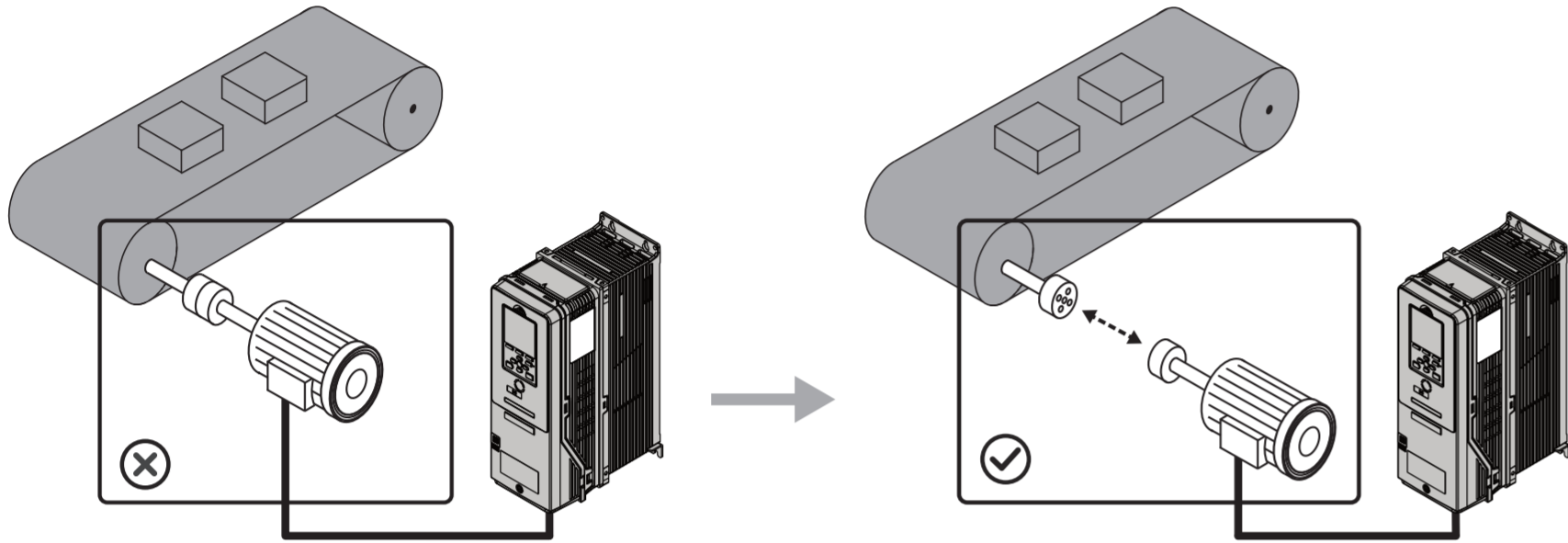


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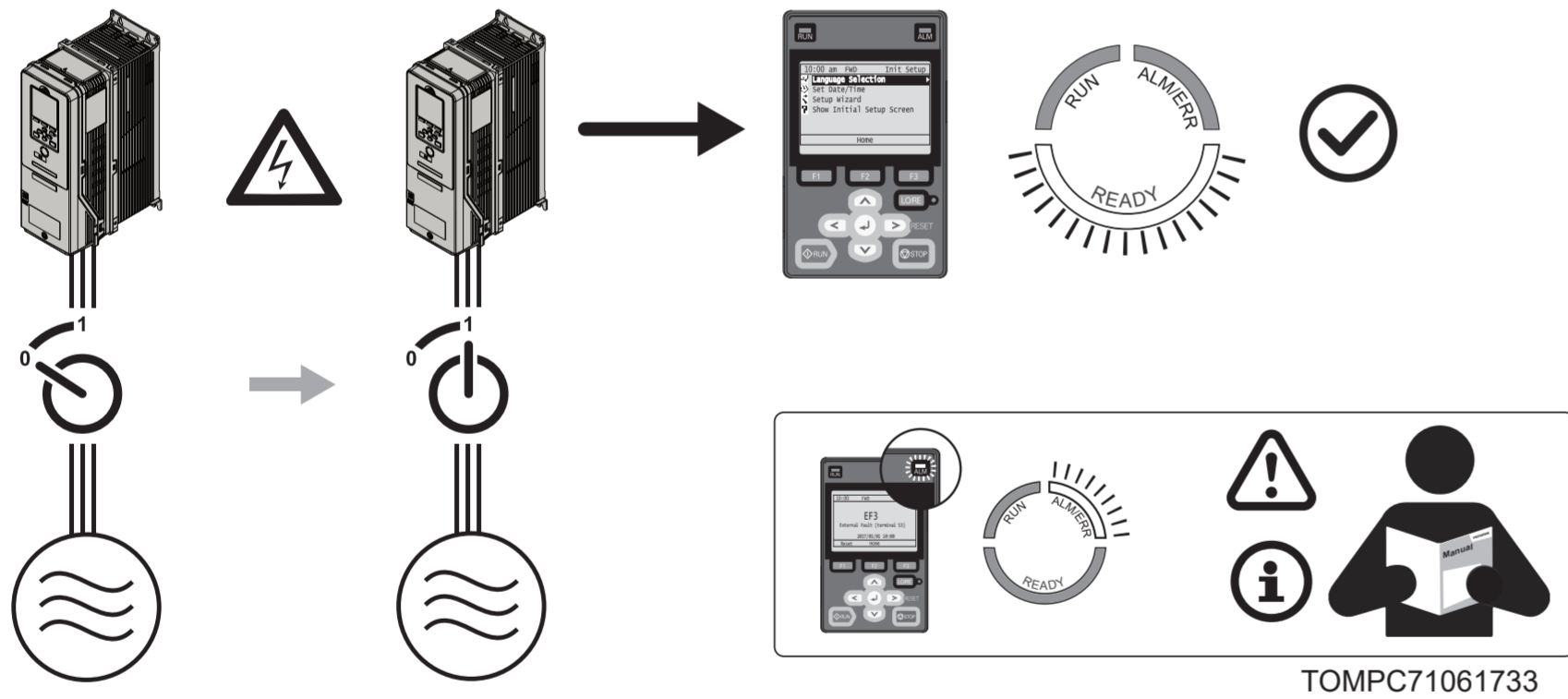
13



14



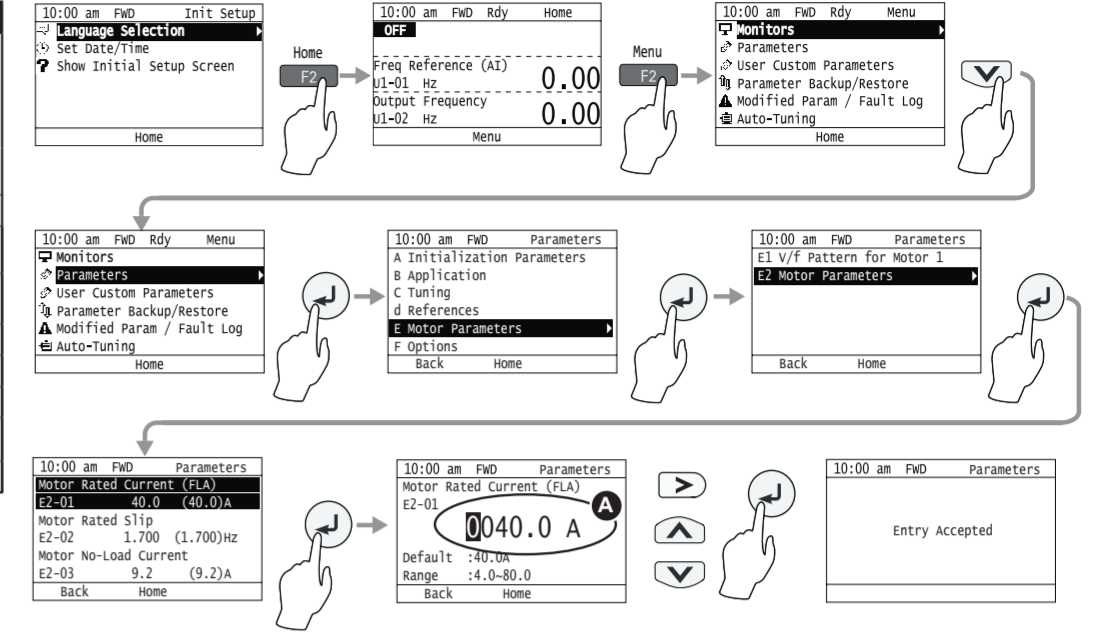
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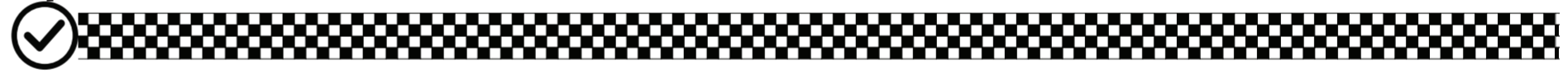
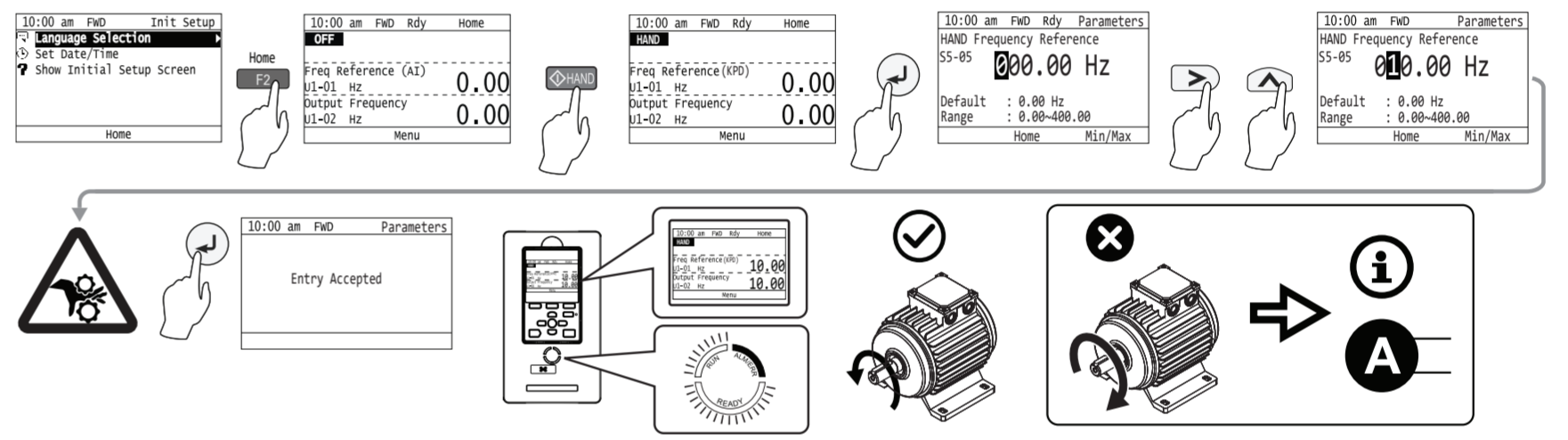
16

3 PHASE INVERTER DUTY AC INDUCTION MOTOR NAMEPLATE EXAMPLE

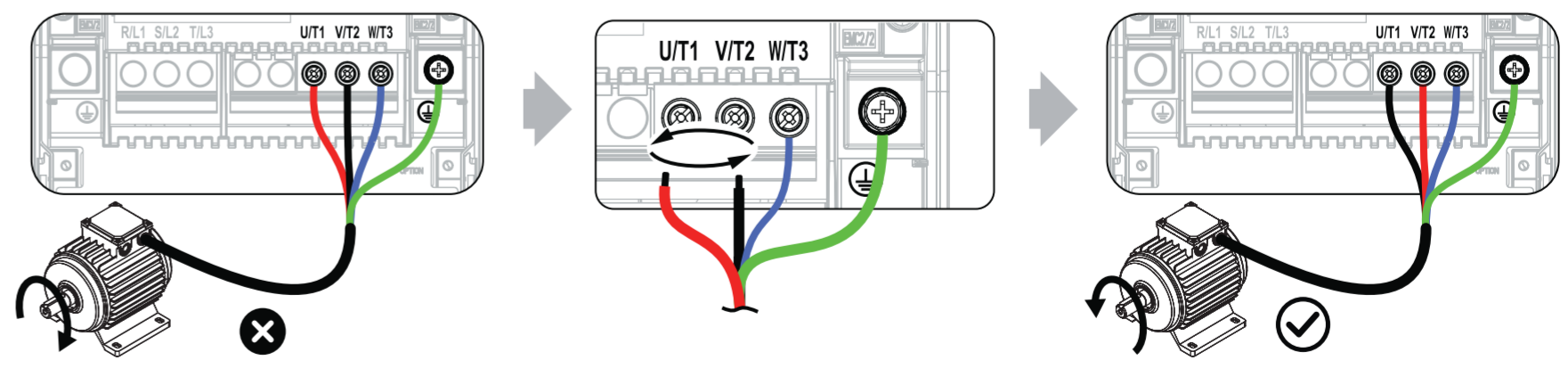
MODEL XX	123AAAA123XX-X0	DES A	X	FRAME 123AX
POLES X	ENG XXX CODE X	TYPE ABC	INS X0	
VOLTS XXX	FL RPM XXXX	FL AMPS XX/XX	TEMP SENSORS T-STATS	
SF 1.0	DUTY CONT	MAX AMB °C XX		
SERIAL	N.L.AMPS XX.X/XX.X			
MAX RPM 4200	S.E. BRG. 309	O.S.E. BRG. XXX	ROTOR X.X	WK*
HZ	KW	RPM	TORQUE (LB FT)	VOLTS (HIGH CONN)
AMPS (HIGH CONN)				
1	-	0	XX.X	-
XX.X	XX.X	XX.X	XXX	XX.X
60	XX	XXXX	XX.X	XXX
120	XX	XXXX	XX.X	XXX
XX.X	XX.X	XXX	XX.X	XX.X
OHMS PH.	R1: XXX	R2: XXX	X1: X.XX	X2: X.XX
			X3: XX.X	
PIN XXXXXXXX				



17




A




B

A: Initialization	d: Reference Settings	H: Terminal Functions	n: Special Adjustment	T: Auto-Tuning
A1 Initialization	d1 Frequency Reference	H1 Digital Inputs	n1 Hunting Prevention	T0 Tuning Mode Selection
A2 User Parameters	d2 Reference Limits	H2 Digital Outputs	n3 High Slip/Overexcite Braking	T1 InductionMotor Auto-Tuning
b: Application				
b1 Operation Mode Selection	d3 Jump Frequency	H3 Analog Inputs	n7 EZ Drive	T2 PM Motor Auto-Tuning
b2 DC Injection Braking and Short Circuit Braking	d4 Freq. Ref. Up/Down & Hold	H4 Analog Outputs	n8 PM Motor Control Tuning	T4 EZ Tuning
b3 Speed Search	d6 Field Weakening	H5 Serial Communication	o: Keypad-Related Settings	
b4 Timer Function	d7 Offset Frequency	H7 Virtual Inputs/Outputs	o1 Keypad Display	U: Monitors
b5 PID Control	E: Motor		o2 Keypad Operation	U1 Operation Status Monitors
b8 Energy Saving	E1 V/f Pattern for Motor 1	L: Protection Functions	o3 Copy Keypad Function	U2 Fault Trace
C: Tuning				
C1 Accel & Decel Time	E2 Motor 1 Parameters	L1 Motor Protection	o4 Maintenance Monitors	U3 Fault History
C2 S-Curve Characteristics	E3 V/f Pattern for Motor 2	L2 Power Loss Ride Through	o5 Log Function	U4 Maintenance Monitors
C3 Slip Compensation	E4 Motor 2 Parameters	L3 Stall Prevention	q: DriveWorksEZ Parameters	
C4 Torque Compensation	E5 PM Motor Settings	L4 Speed Detection	r: DriveWorksEZ Connections	
C5 Auto Speed Regulator (CSR)	E9 Motor Setting	L5 Fault Restart	S: Special Applications	
C6 Carrier Frequency	F: Options		S1 Dynamic Noise Control	UA Network Multiplexing
	F6 Communication Option	L6 Torque Detection	S2 Sequence Run Timers	UC BACnet Diagnostic Monitors
	F7 Ethernet Options	L7 Torque Limit	Y: Application Features	
		L8 Drive Protection	S3 PI2 Control	Y1 Application Basics
		L9 Drive Protection 2	S5 HAND/OFF/AUTO Operation	Y2 PID Sleep and Protection
			S6 Protection	Y4 Application Advanced
				Y9 Network Multiplex Options
				YA Preset Setpoint
				YC Feedback Features
				YF PI Auxiliary Control

C





Manual PDF



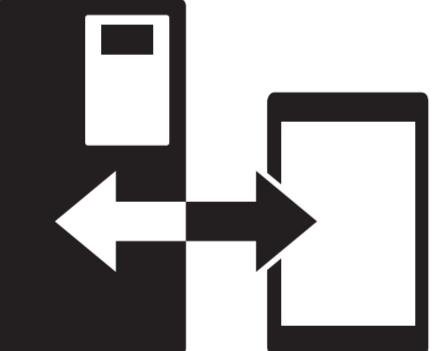
WWW

<https://www.yaskawa.eu/manuals/hv600>







DriveWizard Mobile



GET IT ON
Google Play

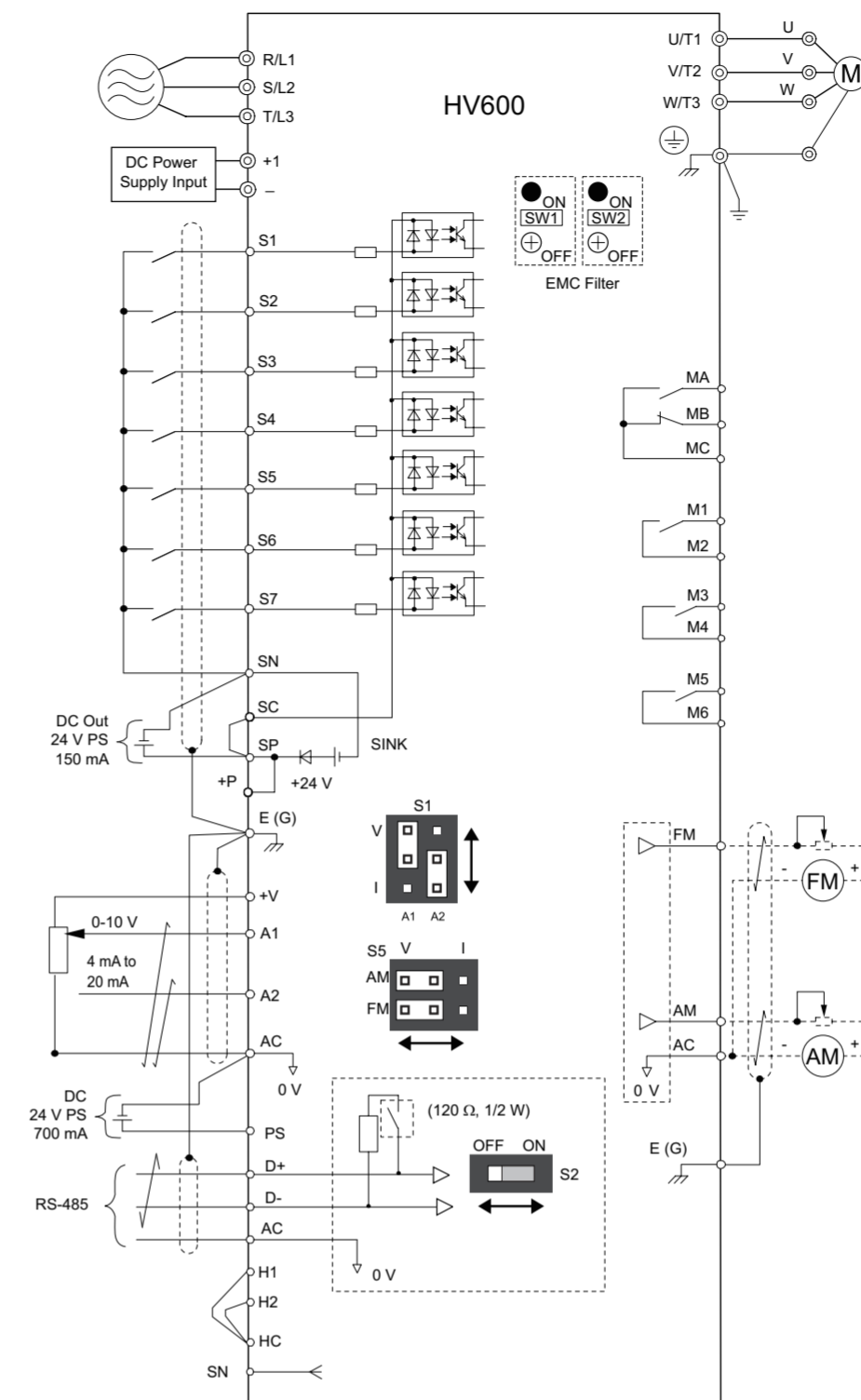


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D



Terminal	Type	Signal Level	Default
S1	MFDI 1	Photocoupler 24 V, 6 mA Internal impedance: 4.7 kΩ	Forward run/Stop
S2	MFDI 2		User-defined
S3	MFDI 3		External fault
S4	MFDI 4		Fault reset
S5	MFDI 5		Multi-step speed 1
S6	MFDI 6		Multi-step speed 2
S7	MFDI 7		Jog command
SN	MFDI power 0 V		-
SC	MFDI common	24 V, 150 mA maximum	-
SP	MFDI power + 24 VDC		-
H1	Safe disable input 1	Photocoupler 24 V, 6 mA Internal impedance: 4.7 kΩ	-
H2	Safe disable input 2		-
HC	Safe disable common		-
+V	Frequency setting power supply	10.5 V (20 mA maximum)	-
A1	MFAI 1	0 V ~ 10 V/100% (input impedance 20 kΩ) 4 mA ~ 20 mA/100%	Master frequency reference
A2	MFAI 2	0 mA ~ 20 mA/100% (input impedance 250 Ω)	Combined w/A1
AC	Common	0 V	-
E(G)	Connect shielded cable	-	-
MA	Fault relay out	30 VDC, 10 mA ~ 2 A 250 VAC, 10 mA ~ 2 A Minimum load: 5 V, 10 mA	Fault
MB			Fault
MC	Common		-
M1	MFDO	30 VDC, 10 mA ~ 2 A 250 VAC, 10 mA ~ 2 A Minimum load: 5 V, 10 mA	During run
M2	MFDO		Zero speed
M3	MFDO		Zero speed
M4	MFDO		Speed agree 1
M5	MFDO		Speed agree 1
M6	MFDO		Speed agree 1
FM	MFAO 1	0 V ~ +10 V/0% ~ 100% 4 mA ~ 20 mA	Output frequency
AM	MFAO 2		Output current
AC	Common	0 V	-
+P	External power supply	24 V (150 mA maximum)	-
PS	External 24 V PS input	21.6 VDC ~ 26.4 VDC, 700 mA	-
AC	External 24 V PS ground	0V	-
D+	Communication +	APOGEE FLN, BACnet, MEMOBUS/Modbus, Metasys N2	-
D-	Communication -	RS-485 115.2 kbps maximum	-
AC	Common	0 V	-

E

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