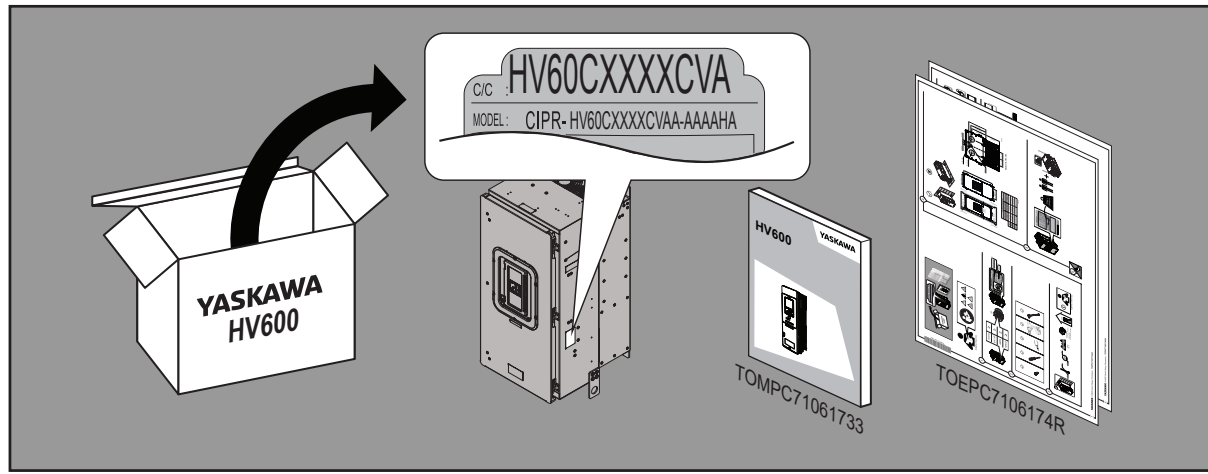
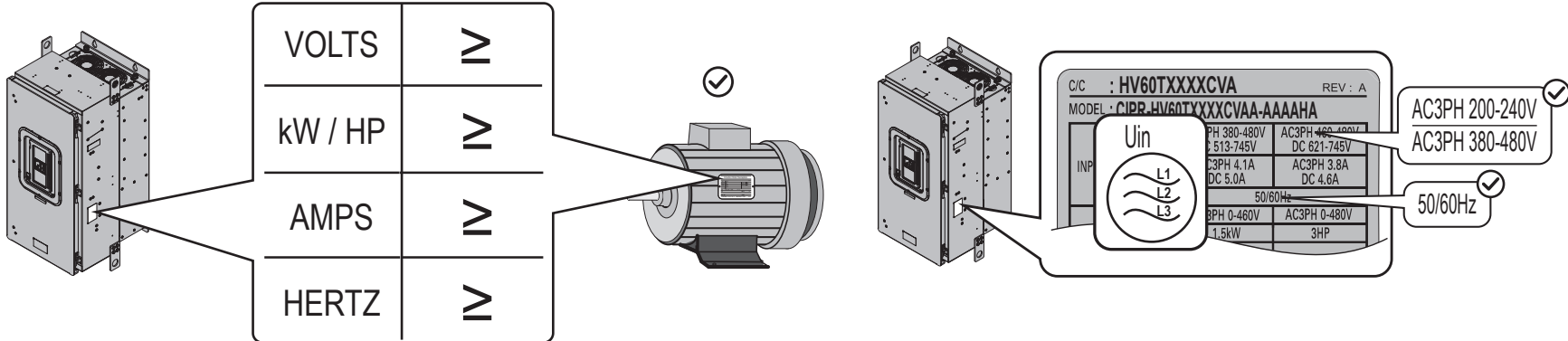
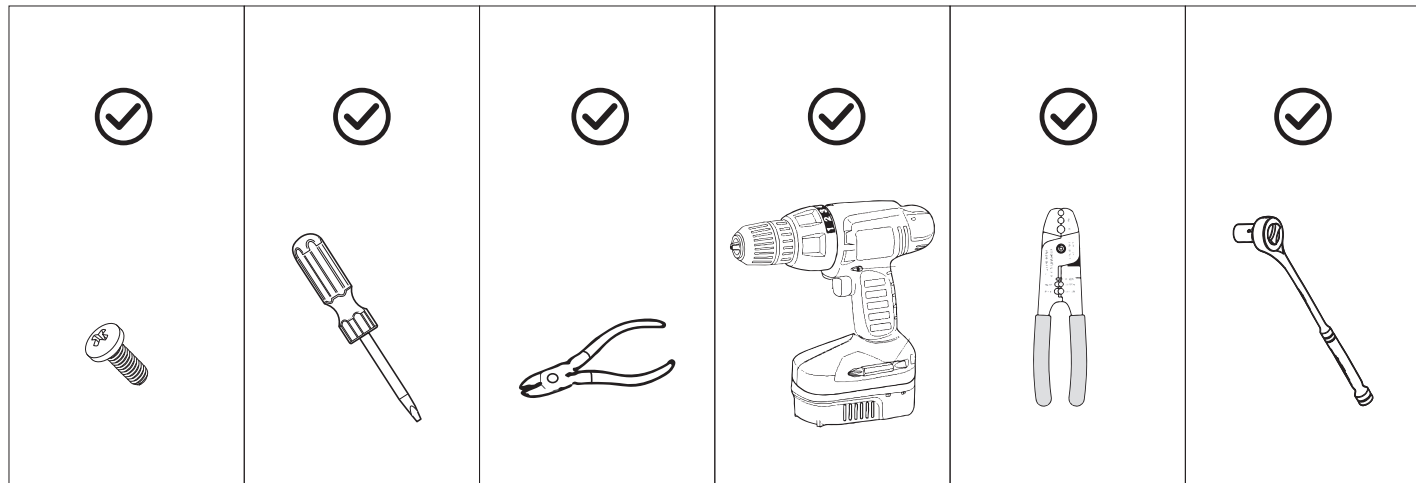




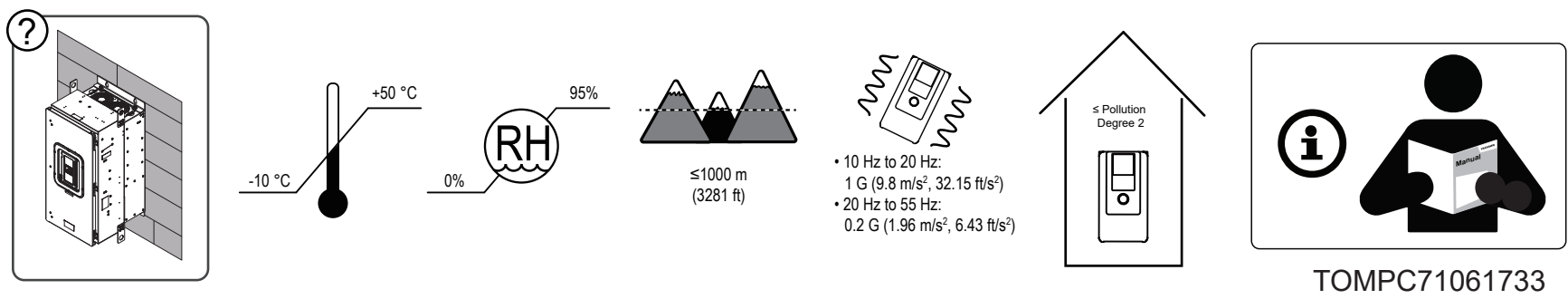
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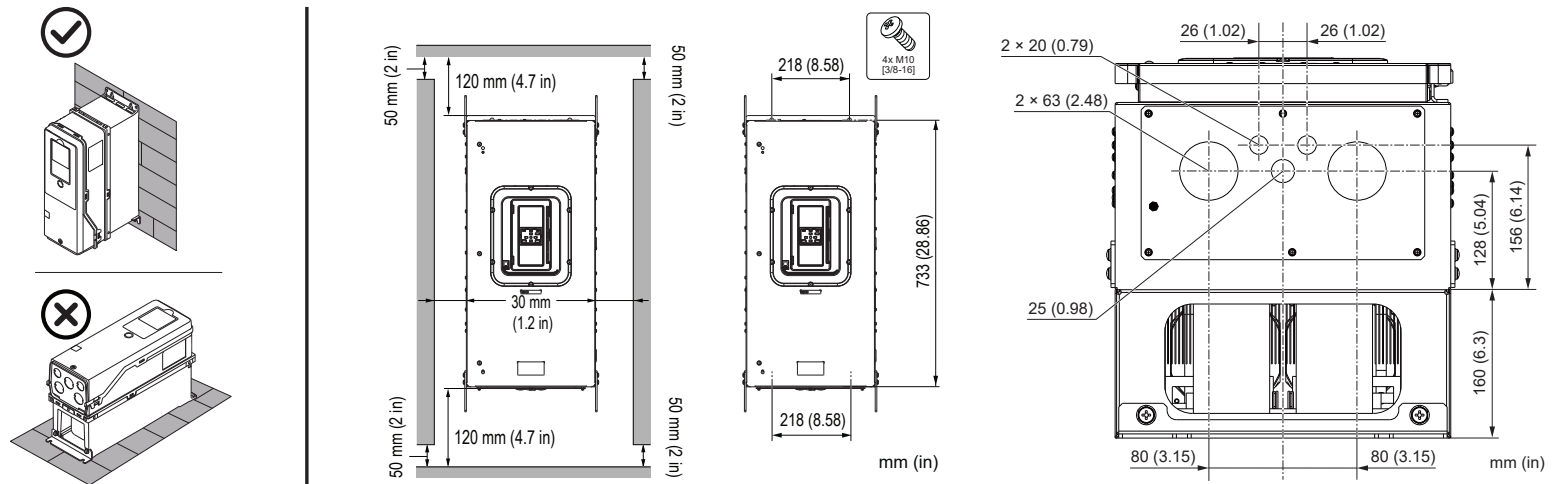


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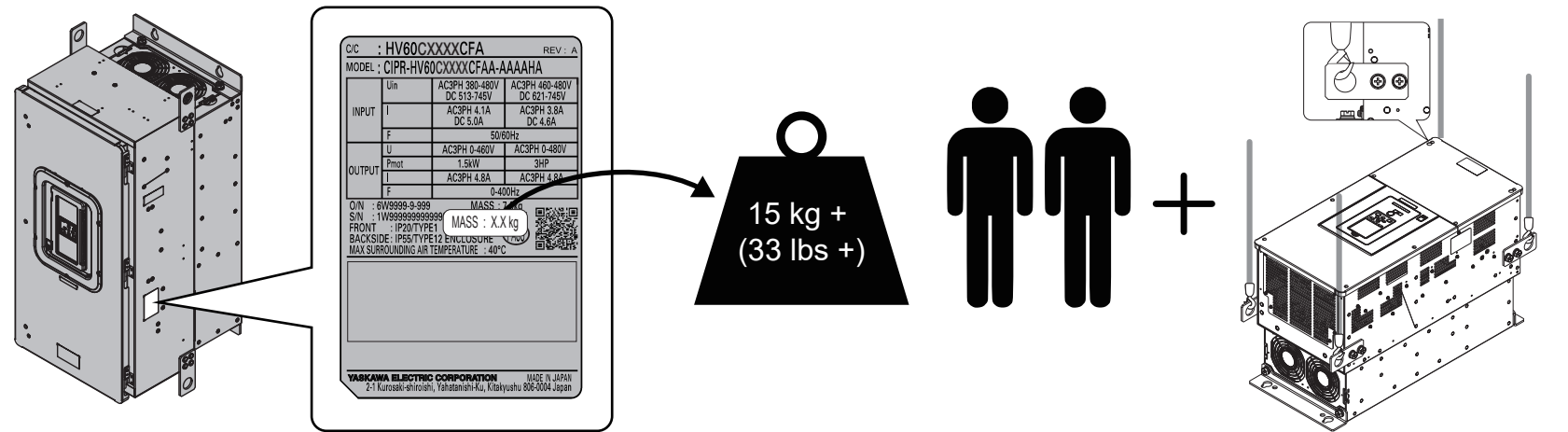


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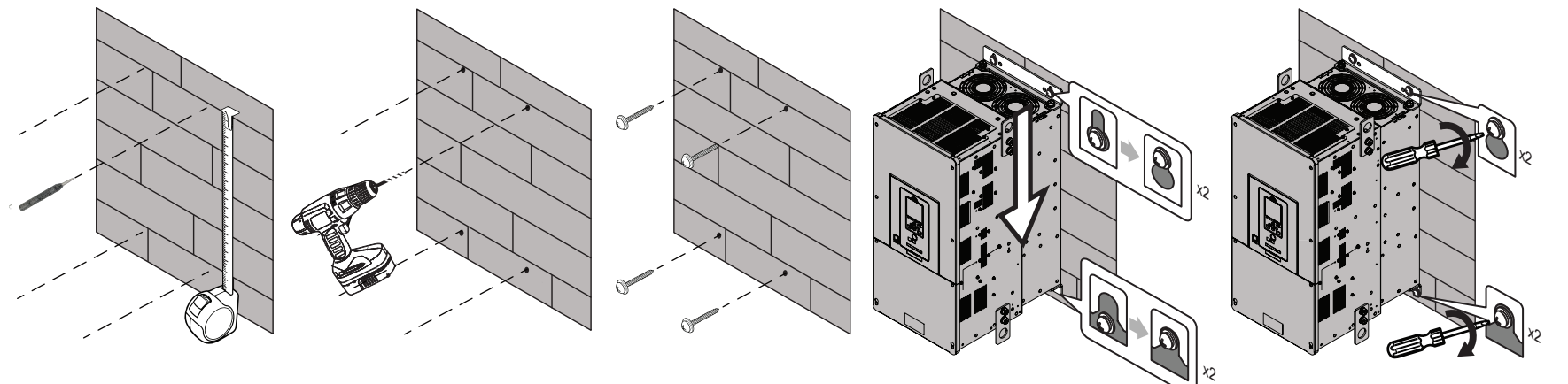
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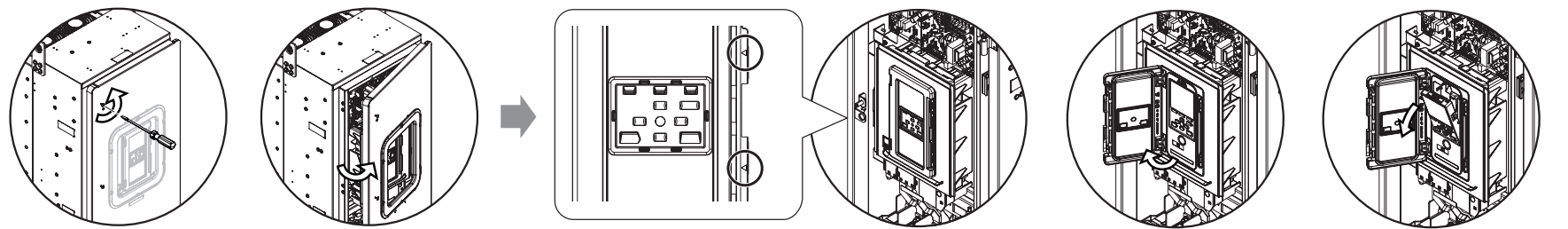
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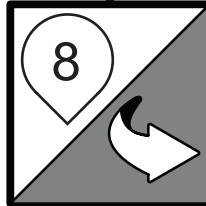
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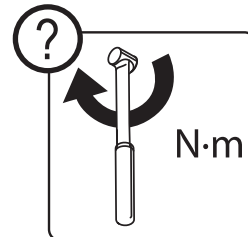
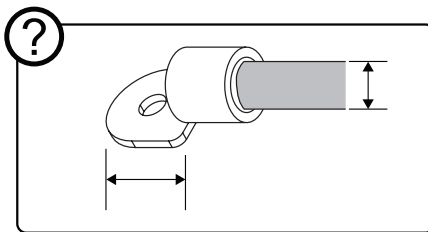
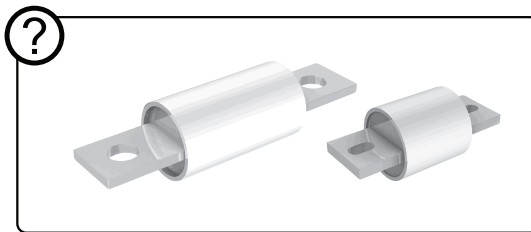
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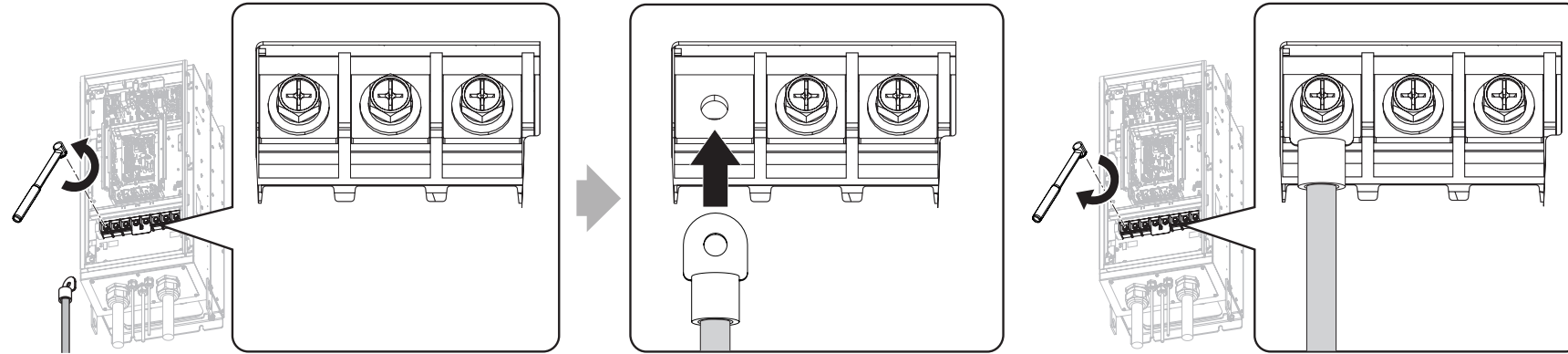


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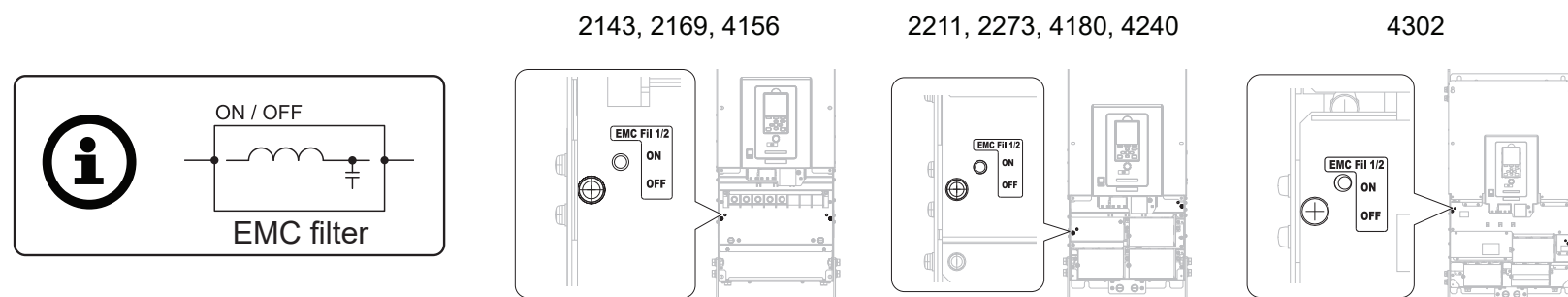


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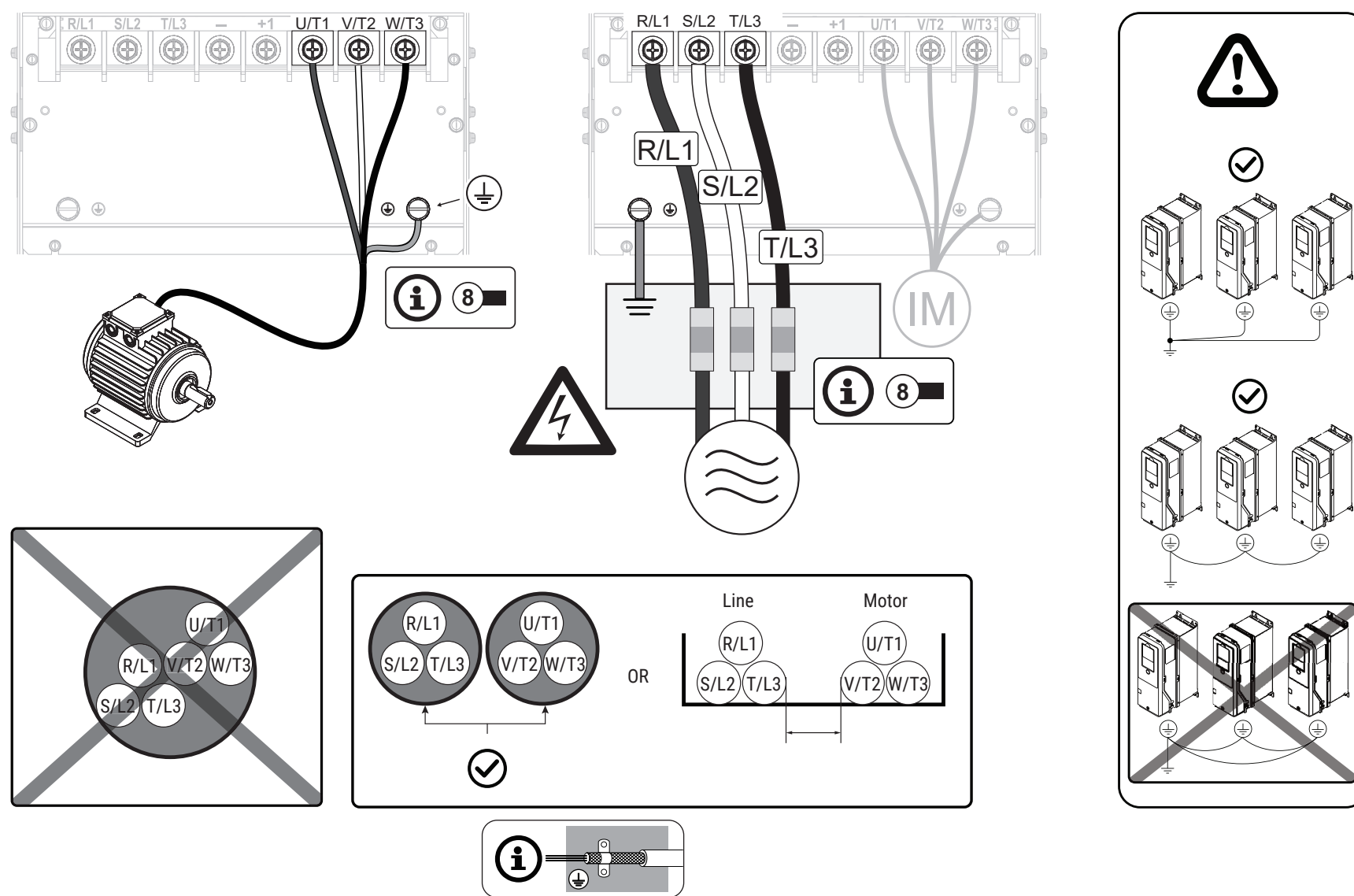
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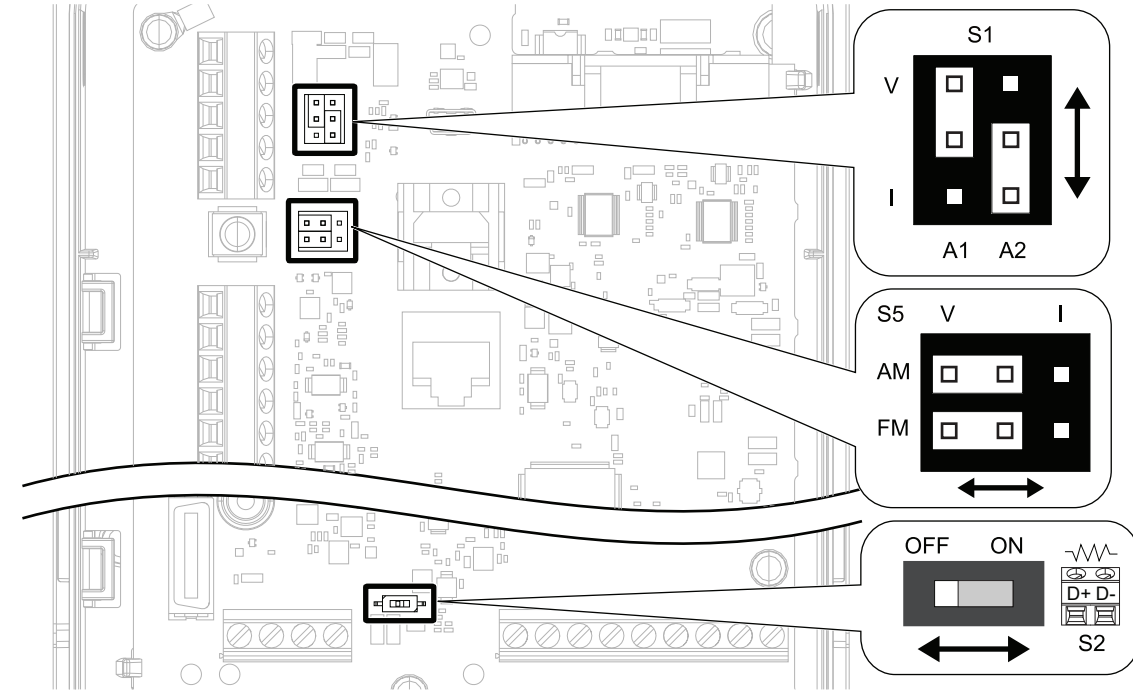
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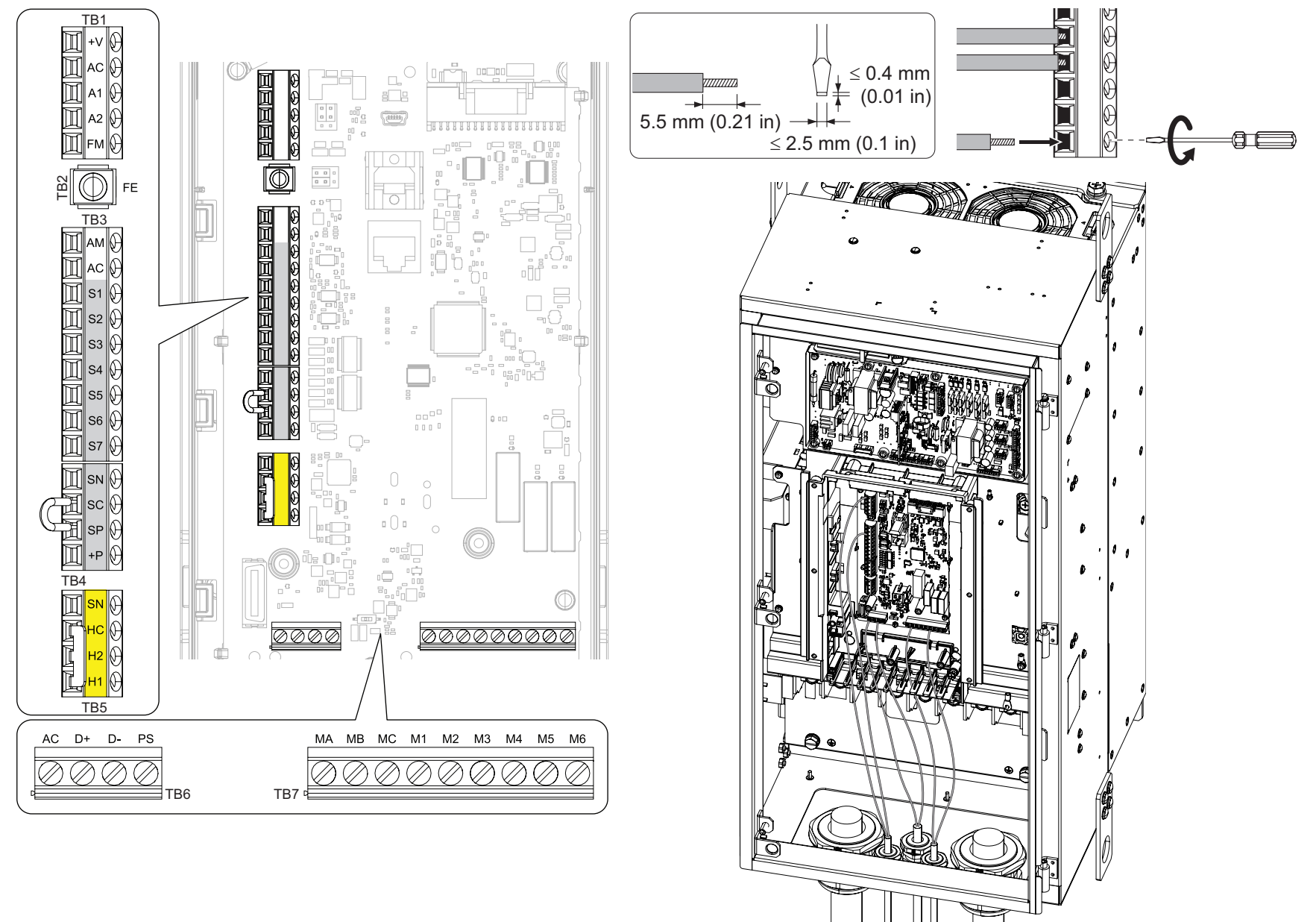
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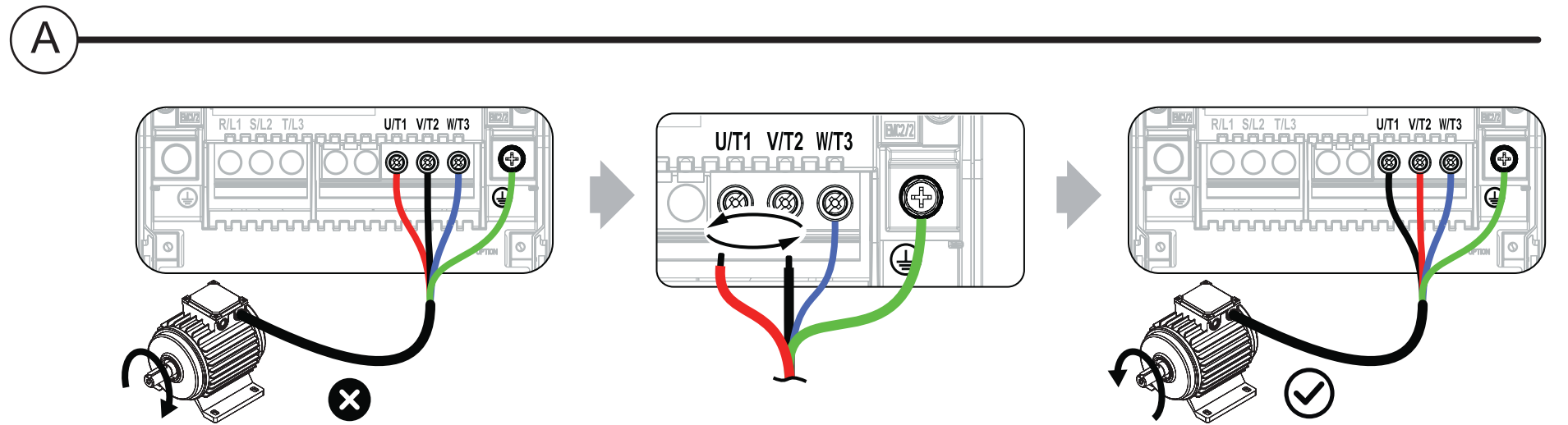
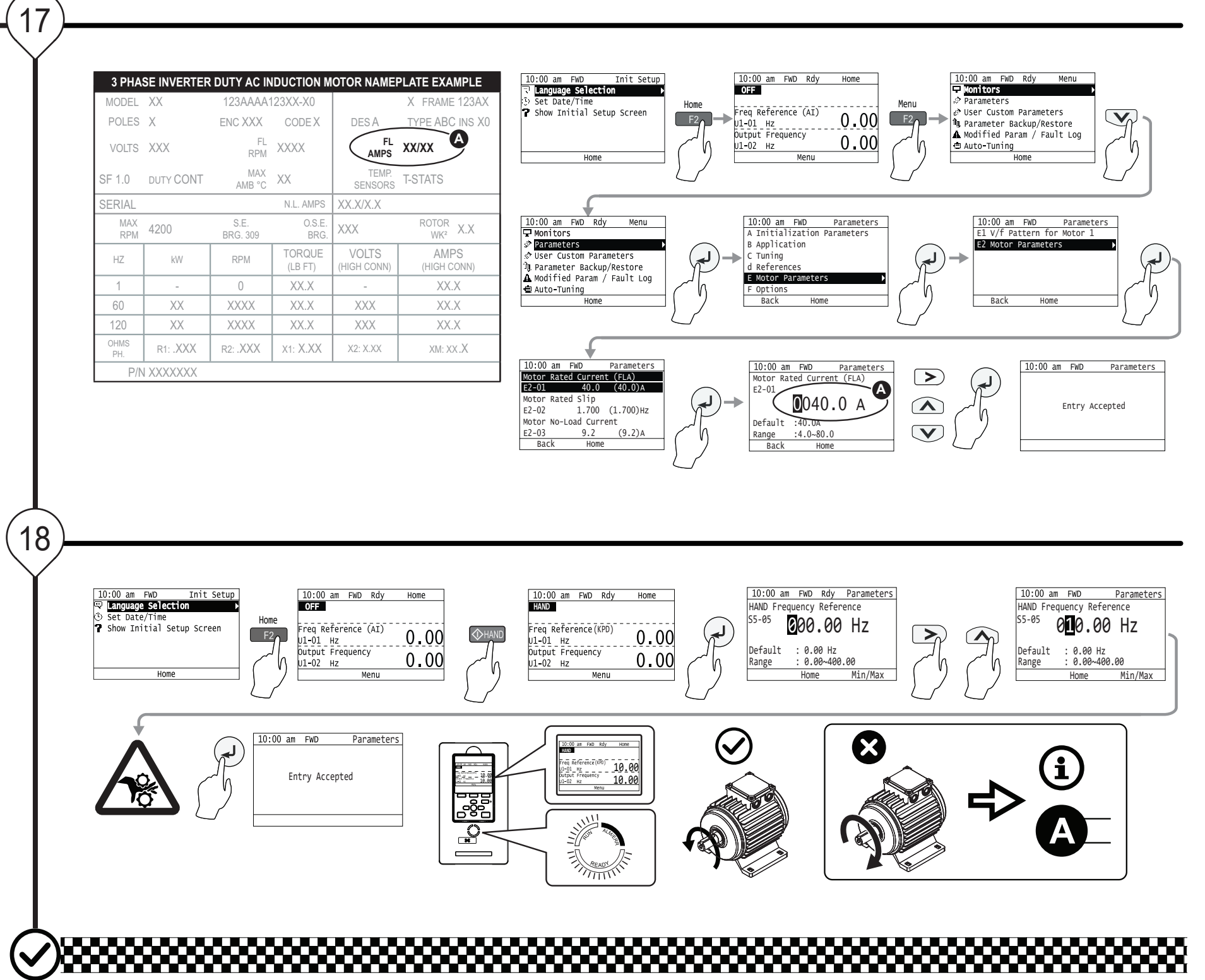
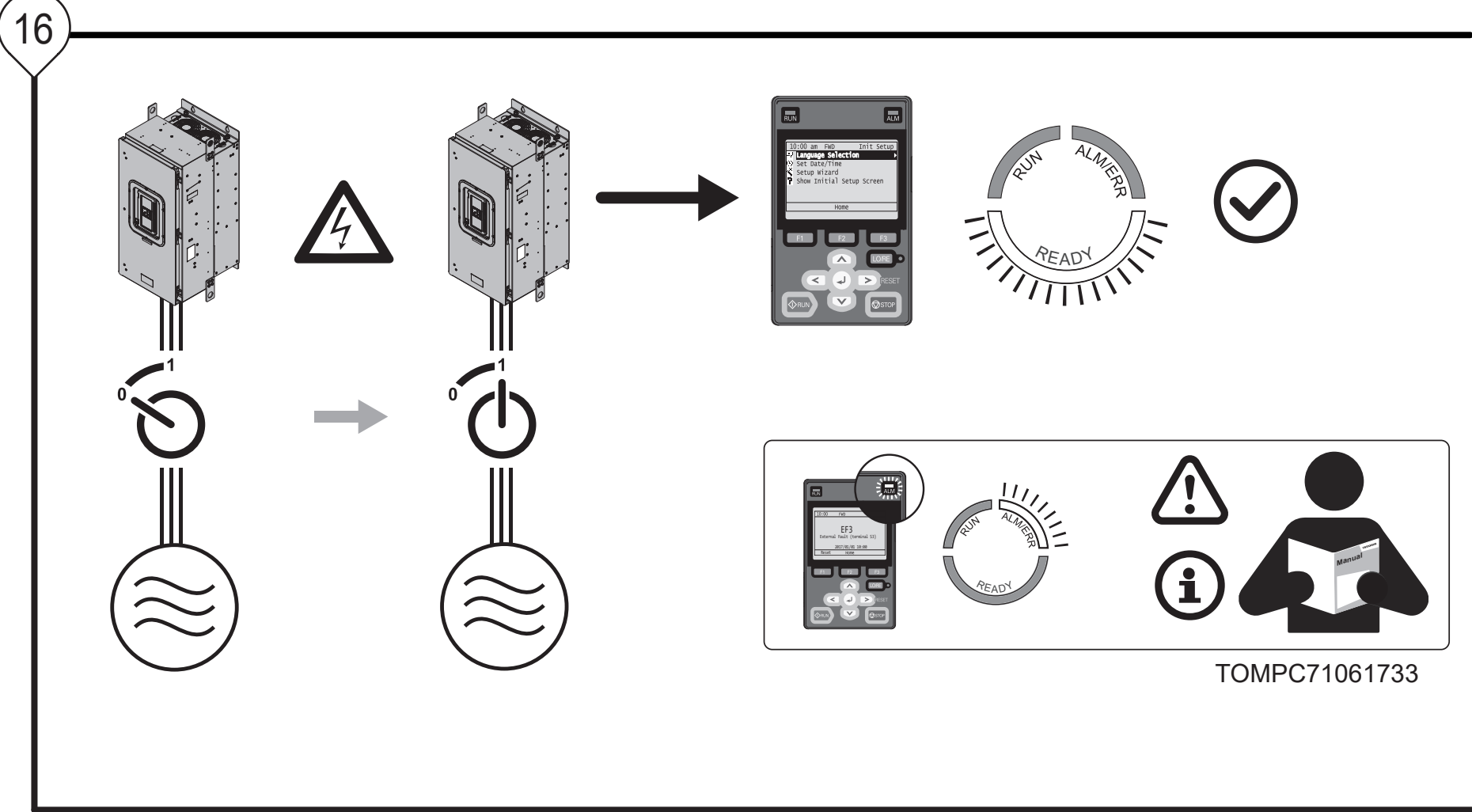
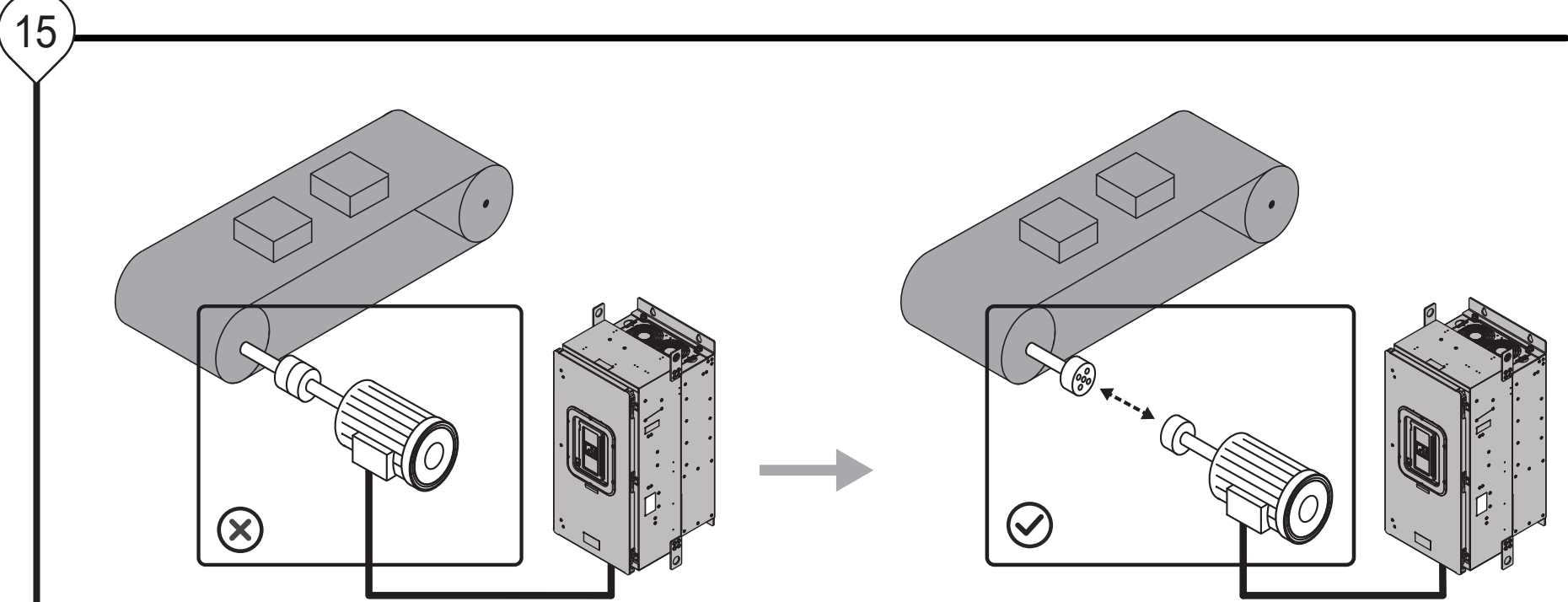
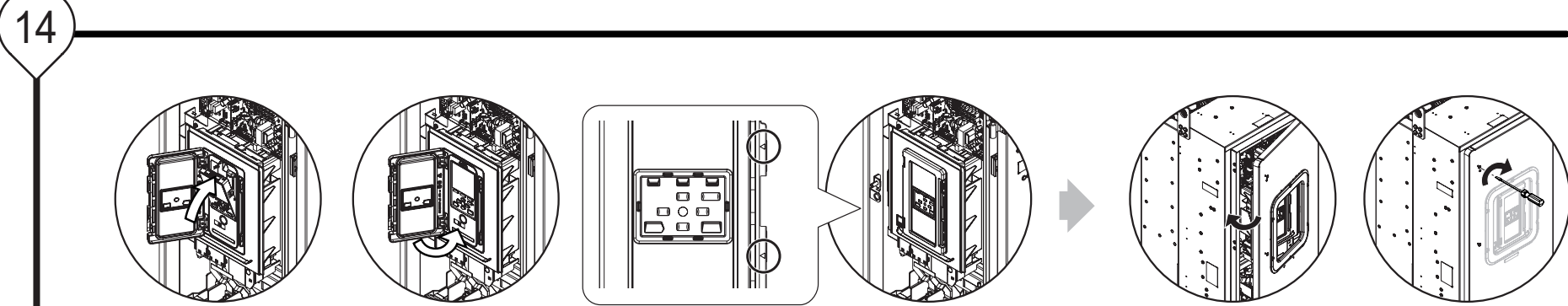
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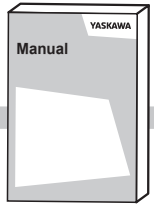
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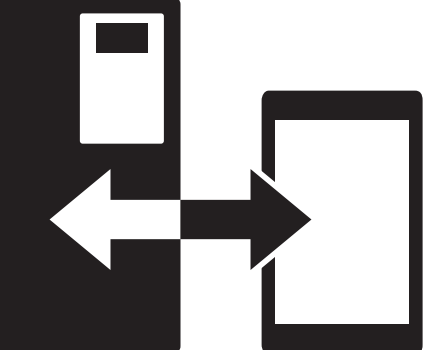
B

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		d3	Jump Frequency	H3	Analog Inputs	n7	EZ Drive	T2	PM Motor Auto-Tuning
b1	Operation Mode Selection	d4	Freq. Ref. Up/Down & Hold	H4	Analog Outputs	n8	PM Motor Control Tuning	T4	EZ Tuning
b2	DC Injection Braking and Short Circuit Braking	d6	Field Weakening	H5	Serial Communication	o: Keypad-Related Settings		U: Monitors	
b3	Speed Search	d7	Offset Frequency	H7	Virtual Inputs/Outputs	o1	Keypad Display	U1	Operation Status Monitors
b4	Timer Function	E: Motor		L: Protection Functions		o2	Keypad Operation	U2	Fault Trace
b5	PID Control	E1	V/f Pattern for Motor 1	L1	Motor Protection	o3	Copy Keypad Function	U3	Fault History
b8	Energy Saving	E2	Motor 1 Parameters	L2	Power Loss Ride Through	o4	Maintenance Monitors	U4	Maintenance Monitors
C: Tuning		E3	V/f Pattern for Motor 2	L3	Stall Prevention	o5	Log Function	U5	PID Monitors
C1	Accel & Decel Time	E4	Motor 2 Parameters	L4	Speed Detection	q: DriveWorksEZ Parameters		U6	Operation Status Monitors
C2	S-Curve Characteristics	E5	PM Motor Settings	L5	Fault Restart	r: DriveWorksEZ Connections		U8	DriveWorksEZ Monitors
C3	Slip Compensation	E9	Motor Setting	L6	Torque Detection	S: Special Applications		UA	Network Multiplexing
C4	Torque Compensation	F: Options		L7	Torque Limit	S1	Dynamic Noise Control	UC	BACnet Diagnostic Monitors
C5	Auto Speed Regulator (CSR)	F6	Communication Option	L8	Drive Protection	S2	Sequence Run Timers	Y: Application Features	
C6	Carrier Frequency	F7	Ethernet Options	L9	Drive Protection 2	S3	PI2 Control	Y1	Application Basics
						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



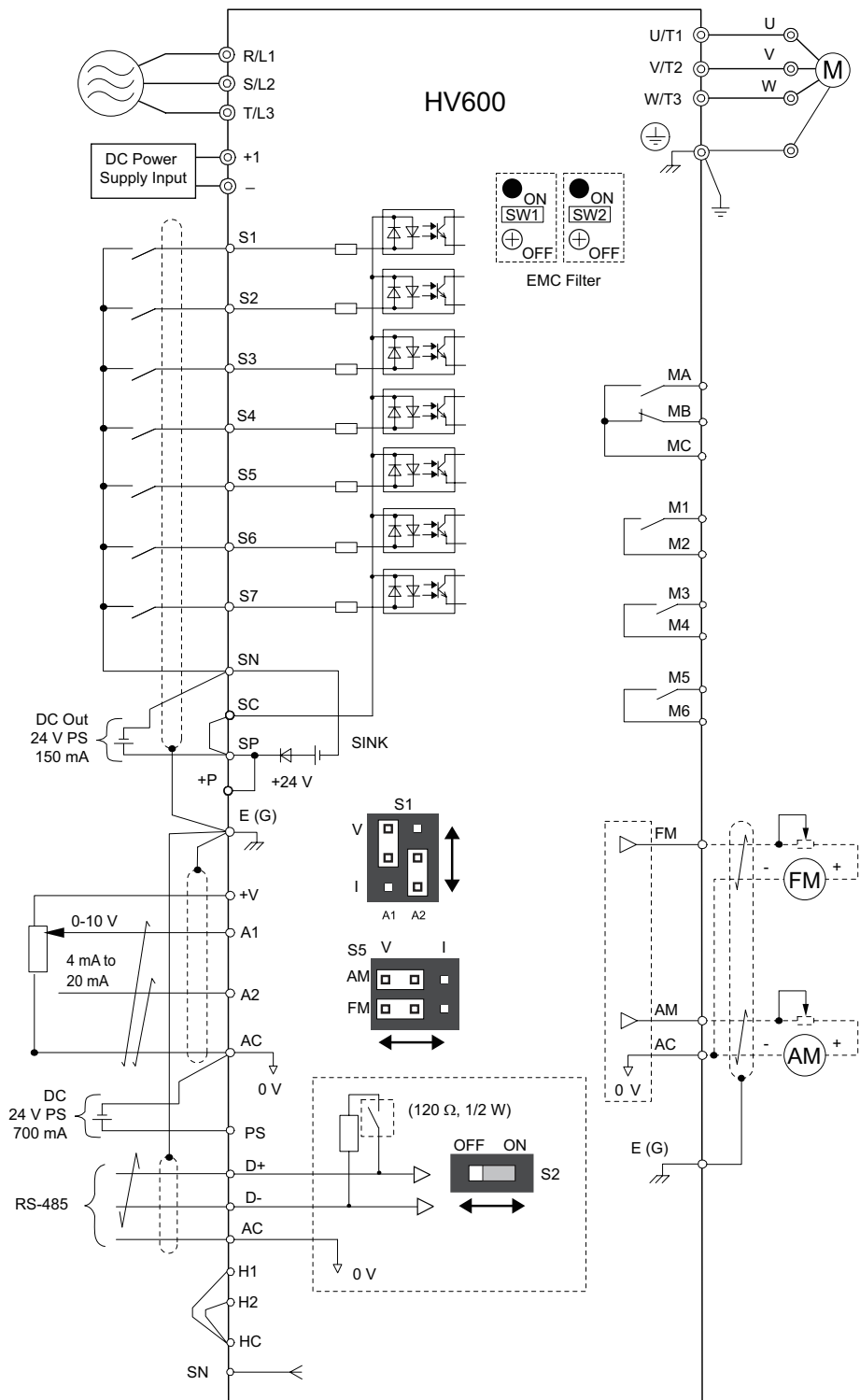
<https://www.yaskawa.eu.com/manuals/hv600>





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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	24 V, 150 mA maximum	-
SC	MFDI common		-
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% (input impedance 250 Ω)	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 relay out	30 VDC, 10 mA ~ 2 A 250 VAC, 10 mA ~ 2 A Minimum load: 5 V, 10 mA	Fault
MC	Common	30 VDC, 10 mA ~ 2 A 250 VAC, 10 mA ~ 2 A Minimum load: 5 V, 10 mA	-
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		Speed agree 1
M4	MFDO	0 V ~ +10 V/0% ~ 100% 4 mA ~ 20 mA	Output frequency
M5	MFDO		Output current
M6	MFDO		Output current
FM	MFAO 1	0 V ~ +10 V/0% ~ 100% 4 mA ~ 20 mA	Output frequency
AM	MFAO 2	0 V ~ +10 V/0% ~ 100% 4 mA ~ 20 mA	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 RS-485	-
D-	Communication -	115.2 kbps maximum	-
AC	Common	0 V	-

E

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