Safety Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
DriveGuard Safe Torque-Off	20A-DG01	✓					
DriveGuard Safe Torque-Off with 2nd Encoder	20D-P2-DG01				✓	✓▽	
Safe Torque-Off (ATEX capable) ♠	20C-DG1			✓			
Safe Torque-Off	20-750-S						✓★
Safe Speed Monitor	20-750-S1						✓★‡

♠ Only one card allowed per slot.
▽ When using PowerFlex 700S control. This option kit cannot be used on Frame 2 drives, however it is available as a factory installed option.
‡ Requires the Dual Incremental Encoder or Universal Feedback Option. Also requires the 20-750-EMCSSM1-F8 EMC Option Kit with Frame 8…9 drives.
★ Drive can accommodate only one option.

Feedback Options

Description	Cat. No.	Used with PowerFlex Drive					
		70	700	700H	700S	700L	753/755
5V/12V Encoder &	20A-ENC-1	✓					
12V/5V Encoder	20B-ENC-1		✓ #			✓ #	
Multi-Device Interface ♦	20D-MDI-C2				✓	✓▽	
2nd Encoder, 5V/12V ♦	20D-P2-ENC0				✓	✓ ▽	
Resolver ♦	20D-RES-A1				✓	✓ ▽	
Stegmann High Resolution Hyperface Encoder ♦	20D-STEG-B1				✓	✓ ▽	
Heidenhain High Resolution EnDat Encoder	20D-HEID-D0				✓	✓ ▽	
Incremental Encoder	20-750-ENC-1						✓♠
Dual Incremental Encoder	20-750-DENC-1						✓♠
Universal Feedback (includes Stegmann, Heidenhain, SSI, Biss, 5V Incremental)	20-750-UFB-1						✓★

& Works only with PowerFlex 70 Enhanced Control.
♦ Requires Expanded Cassette
When using a PowerFlex 700 with Vector Control.
★ PowerFlex 755 only.
▽ When using a PowerFlex 700S control.
♠ Homing and registration functions are not supported when using this device with Studio 5000 Logix Designer embedded motion instructions. To use these functions, the Universal Feedback Board (20-750-UFB-1) must be used.

PowerFlex 700 Control Option Kits

Control with I/O	Factory Installed Cat. Code #	Cat. No.	Used with PowerFlex Drive					
			70	700	700H	700S	700L	753/755
Vector Control - 24V DC with: ▽								
60 Hz Maximum	NNAD	20B-VECT-C0AD		✓				
82 Hz Maximum	NNAX	20B-VECTB-C0AX		✓				
Cascading Fan/Pump Control	NNAE	20B-VECT-C0AE		✓				
Pump Off (for Pump Jack)	NNBA	20B-VECTB-C0BA		✓				
Vector Control - 115V AC ▽	D &	20B-VECTB-D0		✓				
Vector Control - 115V AC with: ▽								
60 Hz Maximum	NNAD	20B-VECT-D0AD		✓				
82 Hz Maximum	NNAX	20B-VECTB-D0AX		✓				
Cascading Fan/Pump Control	NNAE	20B-VECT-D0AE		✓				
Pump Off (for Pump Jack)	NNBA	20B-VECT-D0BA		✓				

▽ Vector Control option utilizes DPI Only.
This code is entered at the end of the drive catalog number (positions 17…20).
& This code is entered at position 15 of the drive catalog number.

PowerFlex 750-Series Option Kits

Description		Frame	Cat. No.	Used with PowerFlex Drive					
				70	700	700H	700S	700L	753/755
Auxiliary Power Supply	24V Aux Power Supply	1…7 Δ	20-750-APS						✓
DC Bus Bar Option Kit	DC Bus Bars for 380…480V AC drives	6	20-750-DCBB1-F6						✓
		7	20-750-DCBB1-F7						✓
	DC Bus Bars for 600…690V AC drives	6	20-750-DCBB2-F6						✓
		7	20-750-DCBB2-F7						✓
DC Bus Connection Kit	Connects the drive DC bus terminals to the cabinet bus rails.	8…10	20-750-BUS1A-F8						✓
EMC Option Kit	EMC Plate with Core for 380…480V AC drives	1	20-750-EMC1-F1						✓
		2	20-750-EMC1-F2						✓
		3	20-750-EMC1-F3						✓
	EMC Plate with Core for 600V AC drives	3	20-750-EMC3-F3						✓
	EMC Plate with Cores for 380…480V AC drives	4	20-750-EMC1-F4						✓
		5	20-750-EMC1-F5						✓
	EMC Plate with Cores for 600V AC drives	4	20-750-EMC3-F4						✓
		5	20-750-EMC3-F5						✓
	EMC Core for 380…480V AC drives	1	20-750-EMC2-F1						✓
		2	20-750-EMC2-F2						✓
		3	20-750-EMC2-F3						✓
	EMC Core for 600V AC drives	3	20-750-EMC4-F3						✓
	EMC Cores for 380…480V AC drives	4…5	20-750-EMC2-F45						✓
	EMC Cores for 600V AC drives	4	20-750-EMC4-F4						✓
		5	20-750-EMC4-F5						✓
	EMC Plate with Cores for 600…690V AC drives	6	20-750-EMC3-F6						✓
		7	20-750-EMC3-F7						✓
	EMC Plate with Cores for 600…690V AC drives (IP54 Only)	6	20-750-EMC5-F6						✓
		7	20-750-EMC5-F7						✓
	EMC Core – Inverter-mounted output, for 380…690V AC input and DC input drives.	8…10	20-750-EMCCM1-F8						✓
	EMC Core – Cabinet-mounted input, for 380…690V Common DC Input drives only.	8…10	20-750-CBPEMCCM1-F8						✓
	EMC Core – Cabinet-mounted input, for 380…690V AC input drives only.	8…10	20-750-EMCCM1-F9						✓
	EMC Cores – Required when using the Safe Speed Monitor option 20-750-S1 with 380…690V drives.	8…10	20-750-EMCSSM1-F8						✓
	Door Shielding Kit	10	20-750-EMCDK1-F10						✓
Exhaust Hood	Exhaust Hood – IP20, NEMA/UL Type 1 drives.	8	20-750-HOOD1-F8						✓
Flange Adapter Kit	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 1 integrity backside. This kit is for use with IP20, NEMA/UL Type 0 drives and **will not provide** an air-tight or water-tight seal. Where sealing is required (e.g. contaminated, dirty or wet environments), a drive with an "F" enclosure option must be used.	2	20-750-FLNG1-F2						✓
		3	20-750-FLNG1-F3						✓
		4	20-750-FLNG1-F4						✓
		5	20-750-FLNG1-F5						✓
	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 4X/12 integrity backside.	6	20-750-FLNG4-F6						✓
		7	20-750-FLNG4-F7						✓
L Bus Bar Kit	Includes three L-brackets	8…10	20-750-LBRKT1						✓
NEMA/UL Type 1 Option Kit	NEMA/UL Type 1 Kit	1	20-750-NEMA1-F1						✓
		2	20-750-NEMA1-F2						✓
		3	20-750-NEMA1-F3						✓
		4	20-750-NEMA1-F4						✓
		5	20-750-NEMA1-F5						✓
		6	20-750-NEMA1-F6						✓
		7	20-750-NEMA1-F7						✓
Power Terminal Extension	Allows connection of two parallel leads to the AC terminals.	6	20-750-ACTE1-F6						✓

continued