Communication Option Kits

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	AFE
BACnet/IP Option Module	20-750-BNETIP		✓	
BACnet® MS/TP RS485 Communication Adapter	20-COMM-B	✓		✓
Coaxial ControlNet™ Option Module	20-750-CNETC		✓	
ControlNet™ Communication Adapter (Coax)	20-COMM-C	✓	✓ (1)	✓
DeviceNet™ Option Module	20-750-DNET		✓	
DeviceNet™ Communication Adapter	20-COMM-D	✓	✓ (1)	✓
Dual-port EtherNet/IP Option Module	20-750-ENETR		✓	
EtherNet/IP™ Communication Adapter	20-COMM-E	✓	✓ (1)	✓
Dual-port EtherNet/IP™ Communication Adapter	20-COMM-ER	✓		✓
HVAC Communication Adapter	20-COMM-H	✓	✓ (1)	✓
CANopen® Communication Adapter	20-COMM-K	✓	✓ (1)	✓
LonWorks® Communication Adapter	20-COMM-L	✓	✓ (1)	✓
Modbus/TCP Communication Adapter	20-COMM-M	✓	✓ (1)	✓
Profibus DPV1 Option Module	20-750-PBUS		✓	
Single-port Profinet I/O Option Module	20-750-PNET		✓	
Dual-port Profinet I/O Option Module	20-750-PNET2P		✓	
PROFIBUS™ DP Communication Adapter	20-COMM-P	✓	✓ (1)	✓
ControlNet™ Communication Adapter (Fiber)	20-COMM-Q	✓	✓ (1)	✓
Remote I/O Communication Adapter (2)	20-COMM-R	✓	✓ (1)	✓
RS485 DF1 Communication Adapter	20-COMM-S	✓	✓ (1)	✓
External Communications Kit Power Supply	20-XCOMM-AC-PS1	✓	✓	✓
DPI External Communications Kit	20-XCOMM-DC-BASE	✓	✓	✓
External DPI I/O Option Board (3)	20-XCOMM-IO-OPT1	✓	✓	✓
Compact I/O Module (3 Channel)	1769-SM1	✓	✓	✓

(1) Requires a Communication Carrier Card (20-750-20COMM or 20-750-20COMM-F1). Refer to PowerFlex 750-Series Legacy Communication Compatibility for details.

(2) This item has Silver Series status.

(3) For use only with DPI External Communications Kits 20-XCOMM-DC-BASE.

PowerFlex 750-Series Legacy Communication Compatibility

Most legacy communication adapters (20-COMM) can be used with the PowerFlex 753/755. However, the restrictions stated below do apply.

Frame 1 - It is recommended that the 20-750-20COMM-F1 Communication Carrier Card only be installed in Port 4. Port 5 will not be accessible when this module is installed.

Frames 2 and larger - It is recommended that the 20-750-20COMM Communication Carrier Card be installed in Port 6. Using Port 4 or 5 will make the adjacent left port inaccessible to other option modules and may interfere with network cable connections.

Adapter		Accesses Ports 0…6 for I/O Connections (Implicit and Explicit Messaging)	Accesses Ports 7 and Higher (I/O, Explicit Messaging)	Supports Drive Add-on Profiles	Supports Asian-Languages [1]
Cat. No.	Type				
20-COMM-B	BACnet MS/TP	Not Compatible			
20-COMM-C	ControlNet (Coax)	✓ v3.001 [2]	✓ v3.001 [2]	✓ [3]	✓ v3.001 [2]
20-COMM-D	DeviceNet	✓ [4]	Not Compatible		
20-COMM-E	EtherNet/IP	✓ v4.001 [2]	✓ v4.001 [2]	✓ [3]	✓ v4.001 [2]
20-COMM-H	RS-485 HVAC	✓ v2.009 [5] [2]	Not Compatible		
20-COMM-K	CANopen	✓ v1.001 [2]			
20-COMM-L	LonWorks	✓ v1.007 [2]			
20-COMM-M	Modbus/TCP	✓ v2.001 [2]	✓ v2.001 [2]	Not Compatible	✓ v2.001 [2]
20-COMM-P	ControlNet (Fiber)	✓ v1.006 [2]	✓ v1.006 [2]		Not Compatible
20-COMM-Q	PROFIBUS DP	✓ v3.001 [2]	✓ v3.001 [2]	✓ [3]	✓ v3.001 [2]
20-COMM-R [6]	Remote I/O	✓ [4]	Not Compatible		
20-COMM-S	RS-485 DF1	✓ [4]			

(1) Chinese, Japanese, and Korean languages are supported at the time of publication.
(2) Requires this adapter firmware version or higher.
(3) Requires firmware version v1.05 or higher of the drive Add-on Profiles for Studio 5000 Logix Designer software.
(4) Controller must be capable of reading/writing 32-bit floating point (REAL) values.
(5) Supports all three modes of operation (RTU, P1, N2).
(6) This item has Silver Series status.

Communication Accessories

Description	Cat. No.	Used with PowerFlex Drive		
		70	753/755	AFE
Serial Null Modem Adapter	1203-SNM	✓	✓	✓
Smart Self-powered Serial Converter (RS232) includes 1203-SFC and 1202-C10 Cables	1203-SSS	✓	✓	✓
Universal Serial Bus™ (USB) Converter includes 2m USB, 20-HIM-H10 and 22-HIM-H10 Cables	1203-USB	✓	✓	✓
ControlNet T-tap Straight	1786-TPS		✓	
Communication Carrier Card for PowerFlex 750-Series Frame 1 drives	20-750-20COMM-F1		✓	
Communication Carrier Card for PowerFlex 750-Series Frame 2 or higher drives	20-750-20COMM		✓	

PowerFlex DC Drive Options
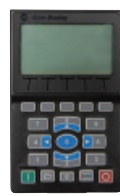

Blank Plate   20-HIM-A3   20-HIM-A5   20-HIM-A6

20-HIM-C3S   20-HIM-C5S   20-HIM-C6S

Human Interface Modules

Description	Cat. No.
No HIM (Blank Plate), Handheld/Local (Drive Mount)	20-HIM-A0
LCD Display, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A3
LCD Display, Programmer Only, Handheld/Local (Drive Mount)	20-HIM-A5
Enhanced, LCD, Full Numeric Keypad, Handheld/Local (Drive Mount)	20-HIM-A6
Remote (Panel Mount) LCD Display, Full Numeric Keypad [1] [2]	20-HIM-C3S
Remote (Panel Mount) LCD Display, Programmer Only [1] [2]	20-HIM-C5S
Enhanced, LCD, Full Numeric Keypad [1] [2]	20-HIM-C6S

(1) IP66, NEMA Type 4X/12—for indoor use only.

(2) Includes a 1202-C30 interface cable (3 m/9.8 ft) for connection to drive.

Human Interface Module (HIM) Accessories

Description	Cat. No.
Bezel Kit for LCD HIMs, NEMA Type 1 [1]	20-HIM-B1
PowerFlex HIM Interface Cable, 1 m (3.3 ft) [2]	20-HIM-H10
Cable Kit (Male-Female) [3]	
0.33 m (1.1 ft)	1202-H03
1 m (3.3 ft)	1202-H10
3 m (9.8 ft)	1202-H30
9 m (29.5 ft)	1202-H90
DPI/SCANport™ One to Two Port Splitter Cable	1203-S03

(1) Includes a 1202-C30 interface cable (3 m/9.8 ft) for connection to drive.

(2) Required only when HIM is used as handheld or remote.

(3) Required in addition to 20-HIM-H10 for distances up to a total maximum of 10 m (32.8 ft).

Communication Accessories

Description	Cat. No.
Serial Null Modem Adapter	1203-SNM
Smart Self-powered Serial Converter (RS232) includes 1203-SFC and 1202-C10 Cables	1203-SSS
Universal Serial Bus™ (USB) Converter includes 2m USB, 20-HIM-H10 & 22-HIM-H10 Cables	1203-USB

Communication Option Kits

Description	Cat. No.
BACnet® MS/TP RS485 Communication Adapter	20-COMM-B
ControlNet™ Communication Adapter (Coax)	20-COMM-C
DeviceNet™ Communication Adapter	20-COMM-D
EtherNet/IP™ Communication Adapter	20-COMM-E
HVAC Communication Adapter	20-COMM-H
Modbus/TCP Communication Adapter	20-COMM-M
PROFIBUS™ DP Communication Adapter	20-COMM-P
ControlNet™ Communication Adapter (Fiber)	20-COMM-Q
Remote I/O Communication Adapter [1]	20-COMM-R
RS485 DF1 Communication Adapter	20-COMM-S
External Communications Kit Power Supply	20-XCOMM-AC-PS1
DPI External Communications Kit [2]	20-XCOMM-DC-BASE
External DPI I/O Option Board	20-XCOMM-IO-OPT1
Compact I/O Module (3 Channel)	1769-SM1

(1) This item has Silver Series status. For information, refer to http://www.rockwellautomation.com/legacy.

(2) For use only with DPI External Communications Kits 20-XCOMM-DC-BASE.

I/O Option Kits

Description	Cat. No.
I/O Expansion Board (4 - 24V DC Digital Inputs, 4 Digital Outputs, 2 Analog Outputs)	20P-S5V62
115V AC to 24V DC 8 Channel I/O Converter Board (converts 8 Digital Inputs)	20P-S520L

Feedback Options

Description	Cat. No.
Resolver Feedback Option Module	20P-RES-A0