Smart BDFB
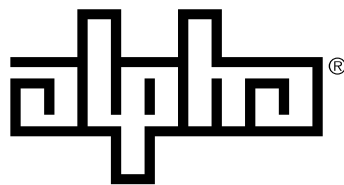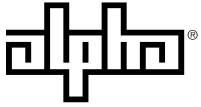## Secondary Distribution System

ORDERING GUIDE

alpha®

an EnerSys company

Smart BDFB Ordering Guide

- **Smart secondary distribution solution for CO, MTSO, Data Center and Cable Headend facilities**
- **Monitoring and alarming via IP/SNMP connectivity**
- **Centralized monitoring via CAN connection enabling a single IP connection to all BDFB's at a facility**
- **Enhanced cable management using the industry's first wider and deeper design**
- **Improved primary cable access via Alpha's termination option**
- **Flexible dual, quad, 6 or 8 feed options**
- **Each panel consists of 20 secondary load positions**
- **Flexible circuit breaker and TPS fuse options**

The Smart BDFB is a high capacity secondary distribution system which combines Alpha's successful BDFB platform with the capability to monitor and alarm system parameters via IP/SNMP capabilities. Alpha Technologies' Smart BDFB is unique as it has the capability to be monitored from a centralized controller, either residing in the power plant or as a standalone unit, essentially enabling the operator to monitor all BDFBs using a single IP connection.The system has been designed based on standard rear access for input feeder cable and secondary load cable terminations. It can be configured either as a dual, or up to an eight (8) feed BDFB (with each individual panel providing up to twenty (20) secondary load positions). The Smart BDFB 8x800 provides a total system capacity exceeding 5000A (continuous rating), distributed amongst 8 panels, enabling customers to obtain full utilization of the current (from the primary power plant). Optional cable management bus kits significantly improve cable management by providing additional flexibility while cabling the BDFB.

Ordering Equipment

S.NO	PART NUMBER	WIDTH	PANEL	LOAD	FEED	RETURN
1	0914001-101	24"	8	2	Top	External
2	0914001-102	32"	8	2	Top	External
3	0914003-101	24"	8	2	Top	Internal
4	0914003-102	32"	8	2	Top	Internal
5	0914007-101	24"	8	8	Top	Internal
6	0914007-102	32"	8	8	Top	Internal
7	0914011-101	24"	8	8	Top (Bus)	External
8	0914011-102	32"	8	8	Top (Bus)	External
9	0914012-101	24"	8	8	Top (Bus)	Internal
10	0914012-102	32"	8	8	Top (Bus)	Internal

(Order - 2xx for the IP/SNMP options on the Smart BDFB)

Smart BDFB Ordering Guide

Field Service Kits

PART NUMBER	DESCRIPTION
0370406-001	Smart VI monitor kit (Upgrade exisiting BDFB with Smart functions)
0370368-001	IP/SNMP controller kit (Upgrade Smart BDFB with IP/SNMP functionality)
0370369-001	Smart VI monitor and IP/SNMP controller kit
0370370-001	CAN adaptor kit
0370393-001	Current calibration deivce

Accessories

PART NUMBER	DESCRIPTION
0250016-520	Panel with load shunt bus
0250016-523	Dual blanking panel
0250016-570	VI meter panel (field service kit)
0380260-001	Internal return, 2 load to 4 load bus kit
0380261-001	Internal return, 4 load to 6/8 load bus kit
0380262-001	Internal return, 2 load to 6/8 load bus kit
0370202-001	Load shunt bus kit
0370203-001	Panel interlink bus kit
0380263-001	24" Top Cover
0380264-001	32" Top Cover
0380254-001	External return busbar, 1 panel
0380254-002	External return busbar adder kit, 1 pnl
0370204-001	Seismic washer kit
0370205-001	Seismic anchor and washer kit
0370206-001	Isolation pad and bushing kit
0370207-001	2 pole breaker bus kit*
0370208-001	3 pole breaker bus kit**
0380268-001	2' Cabinet extension for 24" bay
0380269-001	4-1/2' Cabinet extension for 24" bay
0380270-001	2' Cabinet extension for 32" bay
0380271-001	4-1/2' Cabinet extension for 32" bay
0380267-001	Multiple cable landing busbar (> than 2x 750 MCM)
0380266-001	Label kit, 8 panel

Breakers

PART NUMBER	DESCRIPTION
470-300-10	1 Amp, Mid-Trip Plug-in CB
470-301-10	3 Amp, Mid-Trip Plug-in CB
470-302-10	5 Amp, Mid-Trip Plug-in CB
470-303-10	10 Amp, Mid-Trip Plug-in CB
470-304-10	15 Amp, Mid-Trip Plug-in CB
470-305-10	20 Amp, Mid-Trip Plug-in CB
470-306-10	25 Amp, Mid-Trip Plug-in CB
470-307-10	30 Amp, Mid-Trip Plug-in CB
470-308-10	35 Amp, Mid-Trip Plug-in CB
470-309-10	40 Amp, Mid-Trip Plug-in CB
470-310-10	45 Amp, Mid-Trip Plug-in CB
470-311-10	50 Amp, Mid-Trip Plug-in CB
470-312-10	60 Amp, Mid-Trip Plug-in CB
470-313-10	70 Amp, Mid-Trip Plug-in CB
470-314-10	80 Amp, Mid-Trip Plug-in CB
470-315-10	90 Amp, Mid-Trip Plug-in CB
470-316-10	100 Amp, Mid-Trip Plug-in CB
470-318-10*	125 Amp, Mid-Trip Plug-in CB, 2 Pole
470-319-10*	150 Amp, Mid-Trip Plug-in CB, 2 Pole
4700234*	175 Amp, Mid-Trip Plug-in CB, 2 Pole
4700154*	200 Amp, Mid-Trip Plug-in CB, 2 Pole
470-357-10**	225 Amp, Mid-Trip Plug-in CB, 3 Pole
470-342-10**	250 Amp, Mid-Trip Plug-in CB, 3 Pole
4700149**	300 Amp, Mid-Trip Plug-in CB, 3 Pole

* Need to order 2 Pole breakers bus kit: 0370207-001
** Need to order 3 Pole breakers bus kit: 0370208-001