



**B7NFD1**

**B7NFD2**

**Class I, Div. 1 & 2, Groups B,C,D**  
**Class I, Zones 1 & 2, Groups IIB+ H2, IIA**  
**Class II, Div. 1 & 2, Groups E,F,G<sup>®</sup>**  
**Class III**  
**NEMA 3, 4, 4X, 7(B,C,D) 9(E,F,G)**

Certified - File LR11714

**FEATURES-SPECIFICATIONS**

**Applications**

The PRISM<sup>®</sup> B7 Series of non-fused disconnect switches are used:

- In locations made hazardous due to the presence of flammable gasses or vapors or ignitable dusts, fibers and flyings.
- Outdoors or indoors in damp, wet and dirty locations, or in areas where frequent washdowns, heavy rain or water spray routinely occurs.
- Use as motor circuit disconnect.

PRISM<sup>®</sup> enclosures universal design accommodates the following manufacturers switches as standard:

- Advance Controls 14046 Series
- Allen-Bradley 194E Series (B7NFD1 only)
- ABB OT Series
- Cutler-Hammer C362N Series
- Sprecher + Schuh LA7 Series
- Ferraz Shawmut LBS Series

Advance Controls © Advance Controls Inc.  
 Allen-Bradley © Rockwell Automation  
 ABB © The ABB Group  
 Cutler-Hammer © Eaton Corporation  
 Sprecher + Schuh © Sprecher + Schuh

**Features**

- Compact size enclosures provide application flexibility with cost savings over industry standard sizes
- Fewer cover bolts reduces installation and maintenance time
- Gasketed flange with O-ring located in side bolt circle to seal out moisture
- Rotary handle style operating mechanism with lockout provision as standard
- Removable ductile mounting lugs adjust to irregular mounting surfaces
- Bodies have top and bottom drilled and tapped conduit entrances for power connection, with custom openings available
- ABB UL98 certified switch supplied for 30-100 Amp units

**ADAPTER KIT**

- Required for Allen-Bradley and Sprecher + Schuh disconnects
- Order separately  
 B7KIT - NRW

**Standard Materials /Finish**

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 Stainless Steel
- O-ring Gasket: Silicone
- Finish: Grey Powder Polyester painted exterior, electrostatically applied.
- Electrical rating: 600VAC, 30 - 100 Amp

MODIFICATIONS	
SUFFIX NUMBER	DESCRIPTION
KIT-251	100 amp ground lug
SU-2	Hinge-9 Installed
SU3*	Drain & Breather installed (NEMA 7CD)
SU3*	Drain & Breather installed (NEMA 7BCD)
SU9	Special paint finish
A	1 NC+1NO Auxiliary
B7SPNPT	Change std. conduit size and location
SU14	Fungus proofing of enclosures

*\*NOTE: The installation of a Drain & Breather will void the NEMA 4-4X ratings of enclosure.*

CATALOG NUMBER		SWITCH AMPS / PHASE	SINGLE PHASE HP		THREE PHASE HP				DC HP 230VDC	WIRE SIZE**	CONDUIT SIZES
ENCLOSURE ONLY	W/ABB		120VAC	230VAC	208VAC	230VAC	480VAC	600VAC			
B7NFD1	B7NFD13A	30 / 3P	2	5	10	10	20	30	1	#14-10	1 NPT
B7NFD2	B7NFD26A	60 / 3P	3	7.5	20	20	40	40	10	#14-4	1-1/2 NPT
B7NFD2	B7NFD21A	100 / 3P	5	15	25	30	50	50	20	#8-1	1-1/2 NPT

\*\* Use MN. 75°C wire

**DIMENSIONS**

Enclosure	OUTSIDE BOX DIMENSIONS			NOMINAL INSIDE BOX			MOUNTING DIMENSIONS				
	A	B	C	D	E	F	G	H	I	J	K
B7NFD1	5-3/4	8-1/16	6-5/16	3-5/8	5-13/16	5-1/16	3-1/8	8-1/8	-	-	1-1/4
B7NFD2	8-1/8	13-1/16	7-13/16	4-1/4	9-3/16	6-5/16	2-1/2	11-3/8	6-3/8	7-1/2	1-13/16

