B7NFD Series
Disconnect Switches
for Harsh and Hazardous Environments
COMPACT NON-FUSED DISCONNECT SWITCHES

 FEATURES-SPECIFICATIONS

Applications
The PRISM® 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® 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 R9 Series
- Sprecher + Schuh LA7 Series
- Ferraz Shawmut LBS Series

UL98 & UL508
- The disconnect switches are defined for the intended use.
- UL98 are for general purpose disconnects or branch circuit protection. 30, 60, and 100 AMP.
- UL508 are designed for motor disconnects. 16, 25, 32, 63, and 80 AMP.
- Both are rated for service entrance.

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

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

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

MODIFICATIONS

<table>
<thead>
<tr>
<th>SUFFIX NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIT-251</td>
<td>100 amp ground lug</td>
</tr>
<tr>
<td>SU-2</td>
<td>SU-2 Hinge-9 Installed</td>
</tr>
<tr>
<td>SU-3b-4x</td>
<td>Drain/Breather NEMA 4X/7 B,C,D</td>
</tr>
<tr>
<td>SU-10b-4x</td>
<td>Drain NEMA 4X/7 B,C,D</td>
</tr>
<tr>
<td>SU-11b-4x</td>
<td>Breather NEMA 4X/7 B,C,D</td>
</tr>
<tr>
<td>SU5</td>
<td>Special paint finish</td>
</tr>
<tr>
<td>A*</td>
<td>1 NC+1NO Auxiliary</td>
</tr>
<tr>
<td>B7SPNPT</td>
<td>Change std. conduit size and location</td>
</tr>
<tr>
<td>SU14</td>
<td>Fungus proofing of enclosures</td>
</tr>
</tbody>
</table>

* NOTE: Only one auxiliary contact (Form C) will fit.

UL98 & UL508
- Branch and service entrance.
- UL98 are for general purpose disconnects or branch circuit protection. 30, 60, and 100 AMP.
- UL508 are designed for motor disconnects. 16, 25, 32, 63, and 80 AMP.
- Both are rated for service entrance.

Non-Fused Disconnect

Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIIB+ H2, II A
Class II, Div. 1 & 2, Groups E, F, G
Class III
NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)
### B7NFD SERIES

**COMPACT NON-FUSED DISCONNECT SWITCHES**

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>SWITCH RATING IEC/NEC</th>
<th>SINGLE PHASE HP</th>
<th>THREE PHASE HP</th>
<th>TERMINAL LUG SIZE (MM/AWG)</th>
<th>WEIGHT (KG/LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENCLOSURE ONLY</strong></td>
<td><strong>W/ABB SWITCH</strong></td>
<td><strong>AMPS</strong></td>
<td><strong>PHASE</strong></td>
<td><strong>120 VAC</strong></td>
<td><strong>230 VAC</strong></td>
</tr>
<tr>
<td>B7NFD1</td>
<td>B7NFD13A</td>
<td>40/30</td>
<td>3</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>B7NFD2</td>
<td>B7NFD26A</td>
<td>63/60</td>
<td>3</td>
<td>3</td>
<td>7.5</td>
</tr>
<tr>
<td>B7NFD2</td>
<td>B7NFD21A</td>
<td>100/100</td>
<td>3</td>
<td>5</td>
<td>15</td>
</tr>
</tbody>
</table>

**UL 98 & IEC - Suitable for use as motor disconnects or industrial control panel disconnects on service entrance equipment, panelboards, switchboards, industrial control equipment, motor control centers, etc. and are horsepower rated and ampere rated.**

**Use MN. 75°C wire**

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**DIMENSIONS**

<table>
<thead>
<tr>
<th>ENCLOSE</th>
<th>OUTSIDE BOX DIMENSIONS (INCH/MM)</th>
<th>NOMINAL INSIDE BOX (INCH/MM)</th>
<th>MOUNTING DIMENSION (INCH/MM)</th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>B</strong></td>
<td><strong>C</strong></td>
<td><strong>D</strong></td>
<td><strong>E</strong></td>
</tr>
<tr>
<td>B7NFD1</td>
<td>5.75 (145)</td>
<td>8.0625 (205)</td>
<td>8.3125 (211)</td>
<td>3.525 (89)</td>
</tr>
<tr>
<td>B7NFD2</td>
<td>8.125 (206)</td>
<td>13.0625 (332)</td>
<td>7.8125 (198)</td>
<td>4.25 (108)</td>
</tr>
</tbody>
</table>

**Fixed Lug Position For B7NFD1**
**Optional Position For B7NFD2**

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**Standard Lug Position For B7NFD2**

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**WWW.HUBBELL-KILLARK.COM**
**B7C Circuit Breaker Enclosures**
Available from 15AT thru 1200AT, two, three or four pole, available with standard NPT outlets, Metric or both. Mounting pans are pre-drilled to accept the following molded case circuit breakers (Square D, ABB, Eaton, GE and Siemens). All external circuit breaker operating handles are padlock able in the “on” or “off” position. Ductile mounting lugs for adjusting to irregular mounting surfaces. All cover bolts are 316 grade stainless steel.

**B7L Lighting Panelboard**
Available from 12 to 42 circuits for MLO (main lug only) to MCCB (main circuit breaker) styles. All external circuit breaker operating handles are padlock able in the “on” or “off” position. All cover bolts are quick release tri-lead 316 grade stainless steel, ductile mounting lugs.

**EXBLI/EXBPI Series**
New from Killark are IEC rated panelboards with type UL 489 series miniature circuit breakers (MCB) and bus bar system. For the world wide market, the breakers carry UL, CSA, IEC, CE and many other agency approvals and certifications. Available as 6, 12, 18, 24, 36, 54 or 72 circuits with main breaker 6, 12, 18, 36, 54, 72 or 90 main lug only.

**Switchrack Assemblies**
Integrated solution for group mounting Explosion proof or Flameproof enclosures, mounted and wired. Available with conduit and fittings or armored cable and cable glands. Structures are designed for the specific seismic and wind load requirements for your specific location. Whatever your requirements, we can provide a solution.