The Type K current limiting fuse canister provides an air-insulated receptacle for general-purpose current limiting fuses used on pad-mounted or submersible transformers.

**Description**
The canister is typically mounted on the front wall of a single or three-phase distribution transformer. The Type K canister allows the operator easy access to the current limiting fuse for inspection or replacement. The Type K canister is of dead break construction once it is properly installed onto the transformer.

**Ratings**
The Type K current limiting fuse canister is available in three versions:
- 8.5 kV / 95 kV BIL, 175 A
- 15 kV / 125 kV BIL, 175 A
- 23 kV / 125 kV BIL, 175 A

**Details**
The Type K current limiting canister features dead front construction, hermetic sealing, self-aligning spring contacts and stainless steel, corrosion-resistant components. The fuse canister is a dead break device and ABB recommends that it be used in conjunction with an interlocked load break oil switch, such as ABB’s LBOR.

The Type K, current limiting fuse canister consists of two major components. The first, is a reinforced fiberglass tube welded to the tank by means of a stainless steel flange or bolted to the tank by means of an optional plated steel clamp and gasket. The second component, is a removable fuse assembly consisting of the top closure, an insulated operating shaft, the fuse attachment clamp, top spring contact and guide washer.

When in the closed position, the Type K utilizes a “bottle stopper” type seal between the inside of the canister and the atmosphere. This is accomplished using an operating lever combined with a cylindrical gasket to create an over toggle mechanism. Moving the operating lever into the closed position compresses the cylindrical gasket against the inside walls of the canister. This action seals the canister. Moving the operating lever into the open (upright) position relaxes the gasket and the internal assembly can be removed for fuse replacement or inspection.

Two spring clips provide grounding of the external metal parts. The spring clips are fixed to the body of the canister by the stainless steel hose clamp.

The coil spring contacts at the top and bottom of the fuse assure positive fuse to transformer circuit connections. The top spring fits over the fuse attachment clamp on the holder assembly. The bottom spring is part of the fiberglass tube assembly and makes contact when the fuse assembly is inserted into the holder and locked into position.

**Interlocking**
The Type K current limiting canister is a dead break device. ABB recommends that the fuse canister be mechanically interlocked to an LBOR switch or other mechanism so that the fuse cannot be removed from or inserted into an energized transformer.

**Mounting**
The Type K canister can be welded or bolted onto the transformer tank. If the canister is welded onto the transformer, you must use heat sinks to prevent the welding heat from damaging the canister. The fuse canister can be bolted onto the transformer by using the optional mounting clamp and nitrile gasket. The mounting flange has a lip to capture the mounting gasket for these applications. Note that the grounding clips must be removed in order to slide the mounting flange into place. Once the mounting flange is secured, reinstall the grounding clips.
**Fuse capability**

The Type K canister accepts current limiting fuses of the type known as Full Range or General Purpose such as the Hi-Tech Trans-Guard™ FX fuse. The table below provides the maximum fuse dimensions for proper fit into the Type K canister.

<table>
<thead>
<tr>
<th>Voltage class (kV)</th>
<th>Maximum OD A (in)</th>
<th>Maximum total length B (in)</th>
<th>Connector length C (in)</th>
<th>Connector OD D (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.3</td>
<td>2.25</td>
<td>10.2</td>
<td>1.05</td>
<td>0.326</td>
</tr>
<tr>
<td>15.5</td>
<td>2.25</td>
<td>14.4</td>
<td>1.05</td>
<td>0.625</td>
</tr>
<tr>
<td>23</td>
<td>2.25</td>
<td>17.3</td>
<td>1.05</td>
<td>0.625</td>
</tr>
</tbody>
</table>

**Ordering details**

<table>
<thead>
<tr>
<th>Item number</th>
<th>Voltage</th>
<th>BIL</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
<th>Clamp</th>
<th>Gasket</th>
</tr>
</thead>
<tbody>
<tr>
<td>4260079-901</td>
<td>8.5</td>
<td>95</td>
<td>18.75</td>
<td>20.31</td>
<td>9.97</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4260079-902</td>
<td>15</td>
<td>125</td>
<td>23.13</td>
<td>24.69</td>
<td>14.35</td>
<td>N/A</td>
<td>NA</td>
</tr>
<tr>
<td>4260079-903</td>
<td>23</td>
<td>125</td>
<td>25.94</td>
<td>27.50</td>
<td>17.16</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4260079-904</td>
<td>8.5</td>
<td>95</td>
<td>18.75</td>
<td>20.31</td>
<td>9.97</td>
<td>9820A33H01</td>
<td>1210221-021</td>
</tr>
<tr>
<td>4260079-905</td>
<td>15</td>
<td>125</td>
<td>23.13</td>
<td>24.69</td>
<td>14.35</td>
<td>9820A33H01</td>
<td>1210221-021</td>
</tr>
<tr>
<td>4260079-906</td>
<td>23</td>
<td>125</td>
<td>25.94</td>
<td>27.50</td>
<td>17.16</td>
<td>9820A33H01</td>
<td>1210221-021</td>
</tr>
</tbody>
</table>

For more details see fuse holder drawing 44-887 page 15

2 Type K current limiting fuse canister
ABB Inc.
ALAMO, TN U.S.A.

**Type K Fuse Holder**

**Bolt in Installation Instruction**

- **Assembly Number**: 4260079-904
  - 8.5 95
- **Assembly Number**: 4260079-905
  - 15 125
- **Assembly Number**: 4260079-906
  - 23 125

**Components**

- **Ground Provision**: 1260077-901
  - Three mounting studs
  - Diameter: 0.375 [9.5mm]
  - Length: 1.75 [44.45mm]
  - Separated by 120° on a 4.48 [113.79] bolt hole circle

- **Fiber Washer**: 1260030-000
  - Not required on 2" fuses

- **Fused Rod Assembly**: 6260009-901

- **Insulated Rod Assembly**: 6260009-901

- **Canister Assembly**
  - For dimensional information
  - See drawing 44-887 page 15

- **Clamp**: 9820433H01

- **Mount Nuts and Washers**
  - To match tank mounting studs
  - Torque to 90 in-lb

- **Gasket**: 1210221-021

- **Gasket**

**ABB Inc.**
ALAMO, TN U.S.A.
0.50/0.55 x 0.68/0.71
SLOT TYP.
(12.7/14 x 17.3/18 mm)

120° TYP

FLANGE HAS MECHANICAL
GALVANIZE FINISH

2.24 R
(56.9 mm)

0.99/0.95 THK.
(25.0/25.0 mm)

0.40 ±0.050
(10.2 mm)

GASKET MADE FROM NITRILE RUBBER