

Fusing Equipment

Electrical Apparatus
240-47

Isolation Link

GENERAL

Cooper Power Systems isolation links provide extra protection during refusing and switching operations when used in series with a Bay-O-Net type fuse or MagneX Interrupter.

Isolation links are not fuses and do not have an interrupting rating. During a transformer failure, the isolation link will melt so that the opened primary circuit of a faulted transformer cannot be re-energized by the line crew.

APPLICATIONS

Bay-O-Net Assemblies

Isolation links are used in series with Cooper Power Systems Bay-O-Net type expulsion fuses to provide extra protection during re-fusing operations. They are coordinated to operate at high current levels that are typical of a transformer failure.

MagneX Interrupter

Isolation links are also used in series with the Cooper Power Systems MagneX Interrupter to provide extra protection during switching operations. The MagneX isolation link has arc shortening tabs to reduce the arc length and thus reduce the I²t energy released during operation. They are coordinated to operate at high current levels that are typical of a transformer failure.

INSTALLATION

No special tools are required. Isolation links are bolted onto Bay-O-Net fuse assemblies or MagneX Interrupters in series between the primary transformer bushing and primary coil. Refer to Installation Instruction Sheet S240-40-2, Bay-O-Net, and S240-34-1, MagneX Interrupter, for details.

ORDERING INFORMATION

To order Cooper Power Systems Isolation Link, first refer to Sections 240-45 (current sensing) 240-46 (dual sensing), 240-48 (dual element) or 240-49 (high ampere overload) for details on corresponding Cooper Power Systems Bay-O-Net fuse or Section 240-34 for details on MagneX Interrupter elements. For the fuse elements, use Table 1 to cross reference the isolation link required. For the MagneX Interrupter elements, use

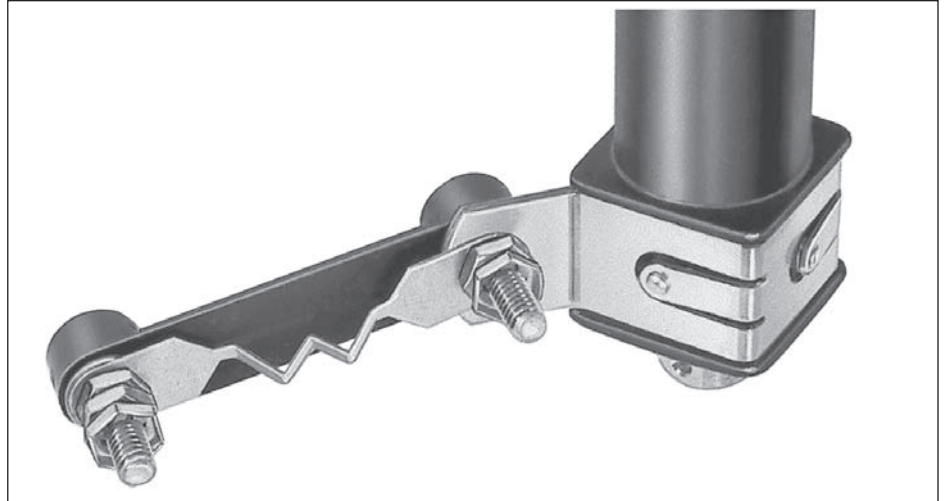


Figure 1.
Isolation Link mounted on a Bay-O-Net fuse assembly.

Table 2 to cross-reference the appropriate element.

TABLE 1
Fuse Combinations

Bay-O-Net Fuse	Isolation Link
Current Sensing Fuses	
4000353C04	3001861A01M
4000353C06	3001861A02M
4000353C08	3001861A02M
4000353C10	3001861A03M
4000353C12	3001861A03M
4000353C14	3001861A05M
4000353C16	3001861A05M
4000353C17	3001861A05M
Dual Sensing Fuses	
4000358C03	3001861A01M
4000358C05	3001861A02M
4000358C08	3001861A03M
4000358C10	3001861A05M
4000358C12	3001861A06M
4000358C14	3001861A07M
4000358C16CB	3001861A07M
4000358C18CB	3001861A07M
Dual Element Fuses	
4038108C03	3001861A01M
4038108C04	3001861A01M
4038108C05	3001861A02M
4038108C06	3001861A02M
4038108C07	3001861A02M
4038108C09	3001861A03M
4038108C11	3001861A03M
4038108C12	3001861A03M
4038108C14	3001861A05M
High Ampere Overload Fuses	
4038361C03CB	3001861A05M
4038361C04CB	3001861A05M
4038361C05CB	3001861A06M

TABLE 2
Isolation Link - MagneX Correlation Chart

Sensor Number	Isolation Link
E01	3637803B01
E03	3637803B08
E06	3637803B02
E10	3637803B09
E12	3637803B10
E18	3637803B03
E25	3637803B03
E30	3637803B05
E40	3637803B05
E50	3637803B05

Features and Detailed Description

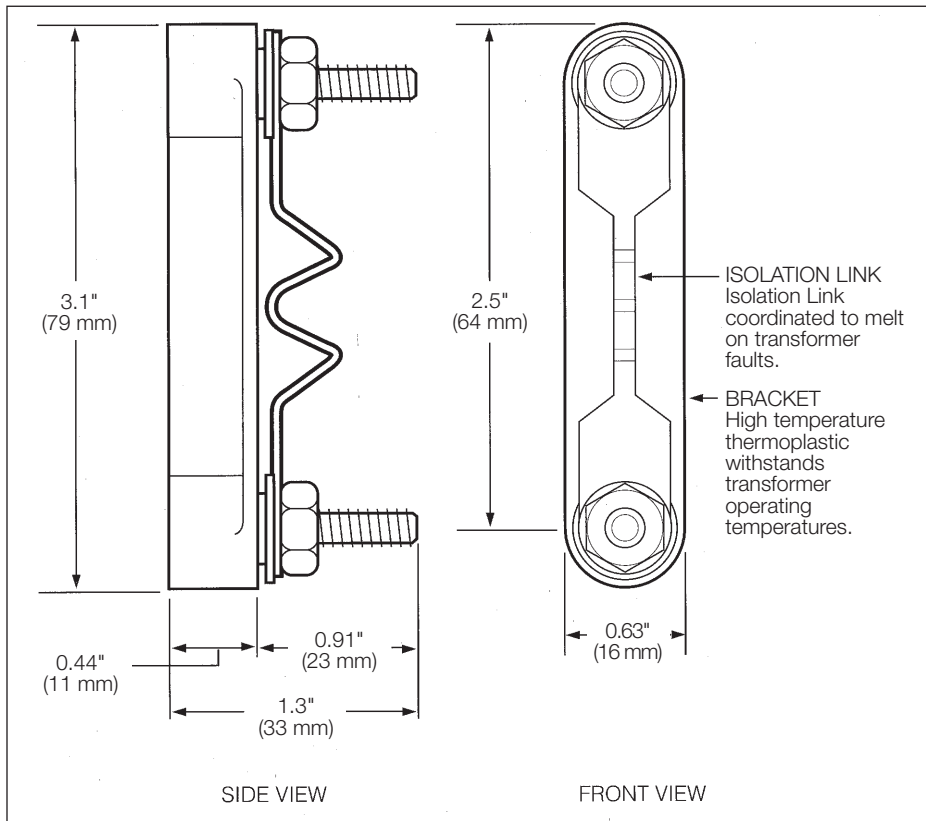


Figure 2.
Dimensional information of isolation links for Bay-O-Net fuses.

NOTE: Dimensions given are for reference only.

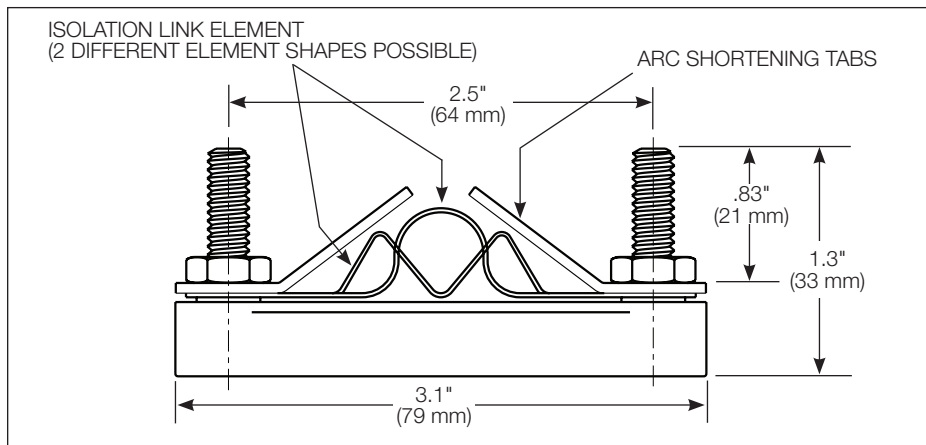


Figure 3.
Dimensional information of isolation links for MagneX applications.

NOTE: Dimensions given are for reference only.

