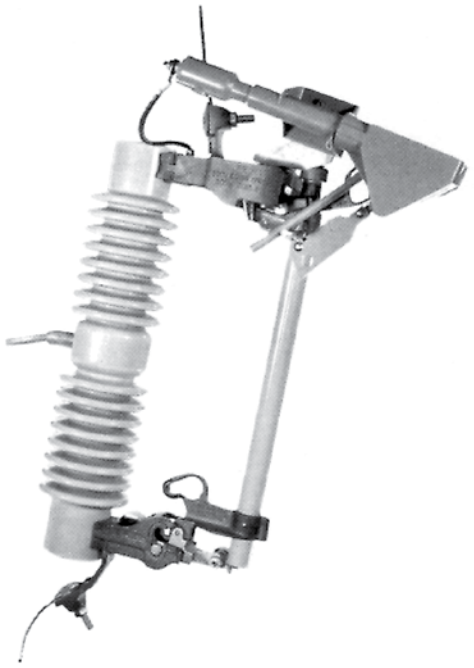
Fusing Equipment
Catalog Data
CA132056EN

Effective January 2016
Supersedes 327-60 December 2013

COOPER POWER SERIES

HX-CB loadbreak fuse cutout



Description

Eaton's Cooper Power™ series HX-CB loadbreak fuse cutout provides superior performance with the combination of the field-proven HX cutout and a compact, low profile loadbreak interrupter.

The loadbreak interrupter is in the current path momentarily when interrupting the load current during the opening operation. There is no parallel path through the loadbreak interrupter when the cutout is being closed or when the cutout is in the closed position. As a result, if inadvertently closed in on a fault or the cutout operates due to a fault, the fault current does not flow through the interrupter.

Should the main contacts not engage during the cutout closing operation, the fuseholder will fall to the fully open position. The fuseholder will not "hang up" in the loadbreak interrupter and give a false visual indication that the main cutout contacts are engaged.

The arc is interrupted within the enclosed arcing chamber of the interrupter. The copper tungsten arcing contacts and UniKearn™ interrupting materials are completely enclosed and protected from contamination, wind blown debris, ice, nesting insects, or animals.

Superior interrupting medium

UniKearn, a highly efficient interrupting medium, evolves a deionizing gas when subjected to the arc that appears across the rapidly separating contacts within the interrupter. Additionally, the arcing residue is nontracking. Eaton's Cooper Power series has successfully employed UniKearn in various loadbreak switching devices for many years.

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Table 1. Ratings

Voltage	Load Current
7.8 7.8/13.8 8 15 15/27 27 kV	100, 200, 300 A

Table 2. Interrupting Capacity and Replacement Fuseholders, Caps, and Solid Blade Catalog Numbers

Catalog Number[1]	Maximum Design Voltage Rating kV-RMS	Continuous Current[2]	Interrupting Capacity kA-RMS		BIL kV-Crest	Creep Distance (in.)	Replacement Fuseholder	Expendable Caps
			Sym	Asym				
144164-003	7.8	100	7.1	10.0	110	9.5	184104-003S6	36361-3
148164-003		200	13.3	20.0			188104-003S6	129023
144564-003*	7.8/13.8	100	7.1	10.0	110	9.5	184504-003S6	129052
146564-003*		100	10.7	16.0			186504-003S6	129052
148564-003*		200	13.3	20.0			188504-003S6	129023
144264-003	15	100	7.1	10.0	125	15	184204-003S6	36361-3
146264-003		100	9.3	14.0			186204-003S6	129052
148264-003		200	10.7	16.0			188204-00S6	129023
146664-003*	15/27	100	9.3	14.0	150	17	186604-003S6	129052
148664-003*		200	10.7	16.0			188604-003S6	129023
144364-003	27	100	4.0	6.0	150	17	188304-003S6	36361-3
146364-003		100	7.1	10.0			186304-003S6	129052
148364-003		200	7.1	10.0			188304-003S6	129023
144164-004	7.8	300 A Solid Blade	12,000 A Momentary Current Rating		110	9.5	120083-3S6	N/A
144564-004*	7.8/13.8				110	9.5	120083-3S6	
144264-004	15				125	15	120082-3S6	
146664-004*	15/27				150	17	120087-3S6	
146364-004	27				150	17	120087-3S6	

1 Includes crossarm mounting hanger and T-bolt terminal connectors for #6 SOL-250 MCM copper or aluminum conductor.

2 Consult your Eaton representative for the loadbreak interrupter capabilities.

* Slant rated loadbreak cutouts are suitable for application on single-phase circuits having maximum line-to-ground voltage not exceeding the lower kV (voltage to the left of the diagonal) or on solidly grounded three-phase circuits where the line-to-line voltage does not exceed the higher kV (voltage to the right of the diagonal).

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