



Medium Voltage Fuse Cutout

WFC Series

Introduction

WII's Drop-Out Fuse Cutout is a protective and disconnecting device for outdoor 12-33 kV medium-voltage systems.

This MV fuse cutout is composed of various parts and components, as illustrated in Fig. 1 (see Page 2). Its line-end connector of the fuse cutout is attached to an overhead feeder line, while its load-side connector is attached to the primary of a distribution transformer. The Fuse Cutout can protect the distribution transformer in various ways or situations: (1) in the case of a fault in the transformer itself; (2) against surge current impact on the primary side; (3) when the loads are short-circuited. When the current exceeds the rated value of the fuse link, the fuse link melts and disconnects the transformer from the line so that the transformer will not suffer subsequent damage. In addition, the fuse cutout can be used to protect a long feeder circuit (see Fig. 2).



The fuse cutout is constructed in such a way that the fuse tube can be manually pulled out by the pull ring with a hot stick by a lineworker standing on the ground.

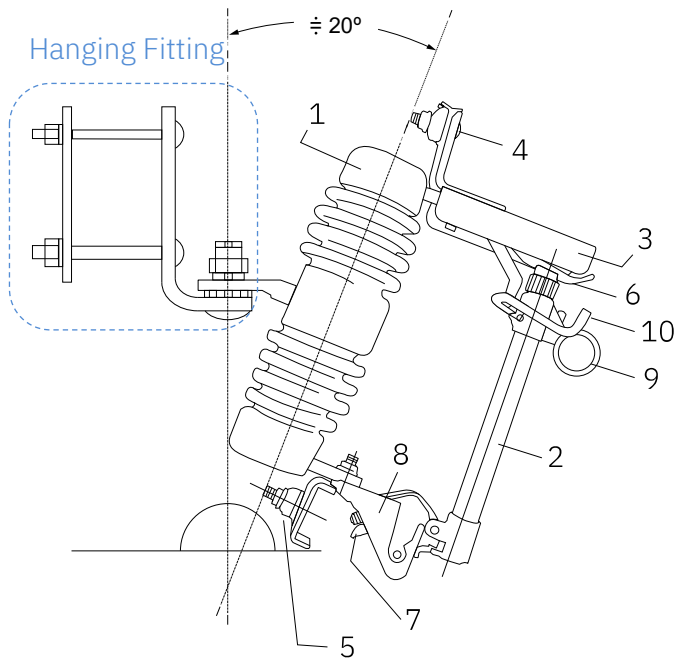
WARNING

Do not attempt to interrupt load current by pulling on the pull ring to open the fuse cutout. An arc started by opening a cutout under load in this manner could cause equipment damage, serious injury, or death.

Specifications

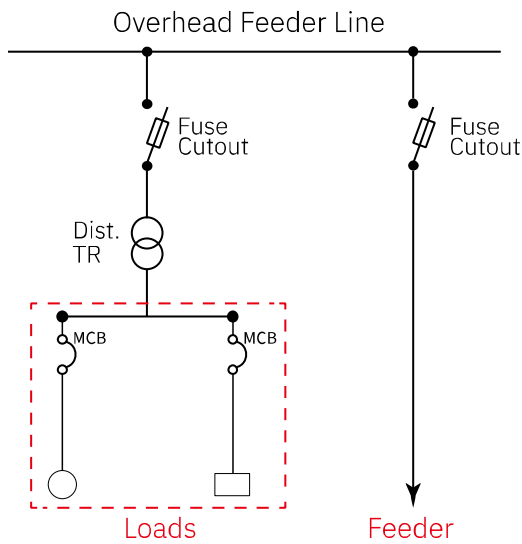
Catalog Number	Voltage Rating (kV)	Current Rating (A)	Interrupting Rating (kA)	BIL (kV)	Creep Distance (mm)	Approx. Weight (kg)	Dimensions (mm)	R* (mm)
WFCP15100	12	100	10	110	245	5.9	385 x 345	300
WFCP15200		200	12					
WFCP24100	24	100	8	150	505	12	480 x 345	384
WFCP24200		200	10					
WFCP33100	33	100	6	170	660	15	560 x 380	462
WFCP33200		200	8					

* See Fig. 3.



1. Porcelain Insulator
2. Fuse Tube
3. Top Hood
4. Line-End Connector
5. Load-Side Connector
6. Upper Contact
7. Lower Contact
8. Hinge
9. Pull Ring
10. Attachment Hooks

Fig. 1. Construction



Dist. TR: Distribution Transformer
MCB: Miniature Circuit Breaker

Fig. 2. Application Examples

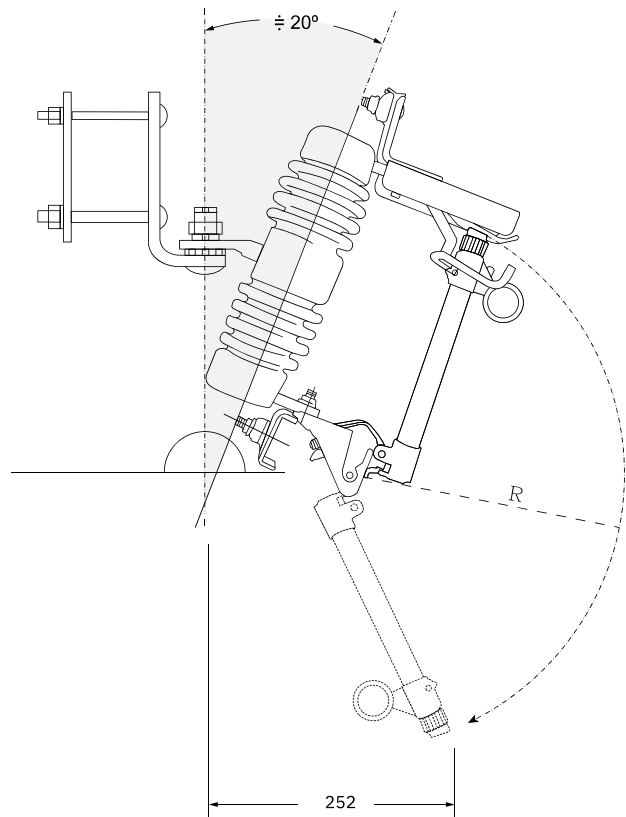


Fig. 3. Minimum Clearance Required