

ELECTRICALLY CONTINUOUS TO AFFORD A CONDUCTOR PATH FOR THE GROUND CIRCUIT. ANY METALLIC FRAME, CASING, OR OTHER ELECTRIC EQUIPMENT WHICH CAN BECOME "ALIVE" THROUGH FAILURE OF INSULATION OR BY CONTACT WITH AN ENERGIZED PART SHALL BE GROUNDED EFFECTIVELY. CASINGS OF TRANSFORMERS SHALL BE GROUNDED EFFECTIVELY UNLESS PROTECTED BY INSULATION. MINING EQUIPMENT MOUNTED ON RUBBER TIRES OR CATERPILLAR TREADS, RECEIVING POWER THROUGH A TRAILING CABLE SHALL BE GROUNDED EFFECTIVELY.

REVISOR'S NOTE: This section presently appears as Article 66C, section 588 of the Code. The phrase "purchased after June 1, 1949", is proposed for deletion as obsolete. The only other changes made are in style.

7-437. CIRCUIT BREAKERS AND SWITCHES.

(A) INSTALLATION.—A FUSE OR ANY OTHER EQUIVALENT PROTECTIVE DEVICE OF THE CORRECT TYPE AND CAPACITY SHALL BE INSTALLED ON ELECTRIC EQUIPMENT TO PROTECT AGAINST EXCESSIVE OVERLOAD. WIRE OR OTHER CONDUCTING MATERIAL MAY NOT BE USED AS A SUBSTITUTE FOR A PROPERLY DESIGNED FUSE. EVERY CIRCUIT BREAKER SHALL BE MAINTAINED IN PROPER OPERATING CONDITION AND ADJUSTED SO EQUIPMENT CANNOT BE OVERLOADED. EVERY SWITCH OR CIRCUIT BREAKER SHALL BE INSTALLED SO IT IS ACCESSIBLE READILY AND CAN BE OPERATED WITHOUT DANGER OF CONTACT WITH MOVING OR LIVE PARTS.

REVISOR'S NOTE: This subsection presently appears as Article 66C, section 589 (a) of the Code. The only changes made are in style.

(B) DISCONNECTION; UNDERGROUND EQUIPMENT.—DISCONNECTING SWITCHES SHALL BE INSTALLED IN EACH MAIN POWER CIRCUIT AT THE BOTTOM OF THE SHAFT, BORE HOLE, OR ANY OTHER PLACE WHERE A MAIN POWER CIRCUIT ENTERS THE MINE. UNDERGROUND ELECTRIC EQUIPMENT AND CIRCUITS SHALL BE PROVIDED WITH SWITCHES OR OTHER CONTROLS OF SAFE DESIGN AND CONSTRUCTION. THEY SHALL BE INSTALLED IN A SAFE MANNER.

REVISOR'S NOTE: This subsection presently appears as Article 66C, section 589 (b) of the Code. The only changes made are in style.

(C) PROTECTION OF CIRCUIT.—A POWER CIRCUIT SHALL BE PROTECTED AGAINST SHORT CIRCUIT OR EXCESSIVE OVERLOAD. WIRE OR OTHER CONDUCTING MATERIAL MAY NOT