



Increase reliability with the easy-to-use Type D-73P polymer disconnect switch

Reduce linemen time in the field with light, reliable, rugged, and easy-to-install Eaton's Cooper Power™ series D-73P disconnect and bypass switches designed to provide durable switching, line sectionalizing and isolation on distribution circuits.

Reliability

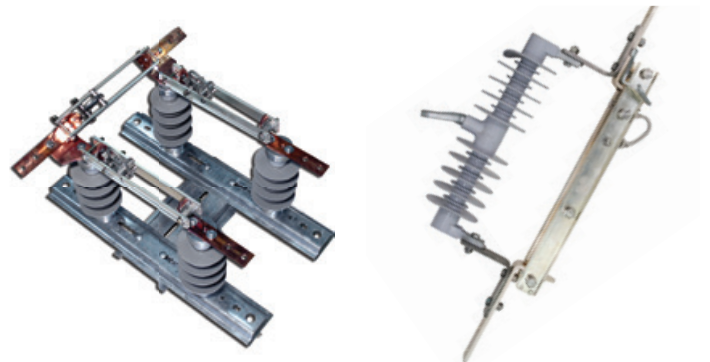
- UltraSIL™ polymer insulators: provide more reliable and durable insulating option than porcelain
 - Increased insulating performance in highly contaminated environments
 - Very high level of safety, flexibility, and strength, while not being susceptible to breakages
- High-strength blade: better able to endure short-circuit current withstand and rough operation
- Current transfer path: cooler path reduces hot-spots and potential failure points
- Switch latching mechanism: designed to provide secure and reliable close and open

Improved field operation

- Blade spacers: provide secure force on contacts allowing for a consistent and efficient current interchange
- Lower contact: consistent current interchange is independent from hinge
- Silver-plated copper blades: increased efficiency of current transfer
- Contact surfaces:
 - 600 A ratings—silver-plated blade and tin-plated copper contacts
 - 900 A ratings—silver-plated blade and silver-plated copper contacts

Ease of installation

- Polymer insulators: reduce switch weight by 40% over porcelain equivalents
 - Maintains mechanical strength characteristics
 - Easier to install than heavier porcelain switches
- Switch base: provides enhanced switch stability
 - Rugged seven-gauge galvanized steel keeps entire switch stable
 - Prevents switch distortion when bolting into place



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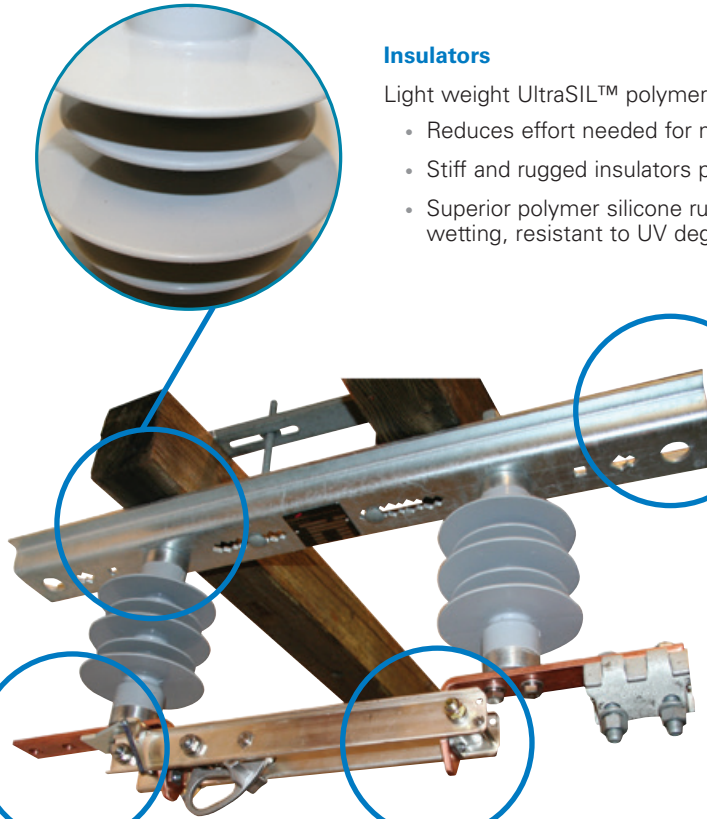
Also available in bypass, line-tap, cross-arm, and cutout disconnect configuration (bypass and cutout disconnect shown above).

D-73P DISCONNECT SWITCH

Quality construction to ensure stable high-current capability and full thermal capacity

Blade design

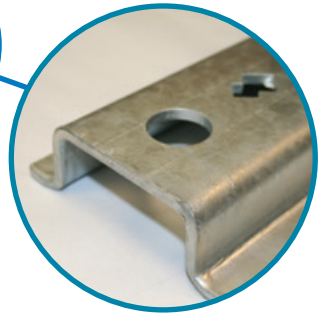
- Secure force on contacts
 - Silver-plated copper in truss-type construction
 - Blade spacers in front and back of contacts
- Superior rigidity
 - Minimizes side deflection
 - Maintains positive alignment when closing the switch



Insulators

Light weight UltraSIL™ polymer insulators

- Reduces effort needed for mounting
- Stiff and rugged insulators provide stable alignment
- Superior polymer silicone rubber material in terms of non-wetting, resistant to UV degradation and surface tracking



Switch base

- Rugged seven-gauge steel base and backstrap
- Dead-ending hole for conductor at each end
- Rigidity of base prevents distortion/twisting during installation



Upper contacts

- Reliable latching mechanism
- Blade spacers will not weaken over time
- Cooler running design
- Consistent reliable alignment
- Loadbreak hooks standard



Lower contacts

- Independent from hinge
- Current interchange direct from stationary contact to blade
- Consistent current transfer path reduces hot-spots

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