

## Reduce linemen time in the field with the easy-to-install Type 3D-73P polymer bypass switch

Eaton's Cooper Power™ series 3D-73P bypass switch is designed to provide an economical way for bypassing and disconnecting pole-mounted distribution-class reclosers and regulators, permitting maintenance without disturbing continuity of service.

### Ease of installation

- **Three-phase switch:** The 3D-73P switch consists of three D-73P3 hookstick operated, bypass switches pre-mounted on a fiberglass crossarm simplifying installation
- **Fiberglass crossarm:** A durable and corrosion-resistant fiberglass crossarm acts as a robust base while maintaining the lightweight properties of the switch
- **Single-point lift:** A single-point, center of gravity lifting bracket that allows the switch to be lifted by one lifting eye is available as an option
- **Polymer insulators:** Reduce switch weight by 40% over porcelain equivalents
  - Maintains mechanical strength characteristics
  - Easier to install than heavier porcelain switches

### Reliability

- **UltraSIL polymer insulators:** Provide more reliable and durable insulating option than porcelain
  - Increased insulating performance in highly contaminated environments
  - 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 increased withstand and short-circuit protection by creating a consistent and efficient current interchange without requiring additional force to operate the switch
- **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



*Powering Business Worldwide*

# 3D-73P bypass switch

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

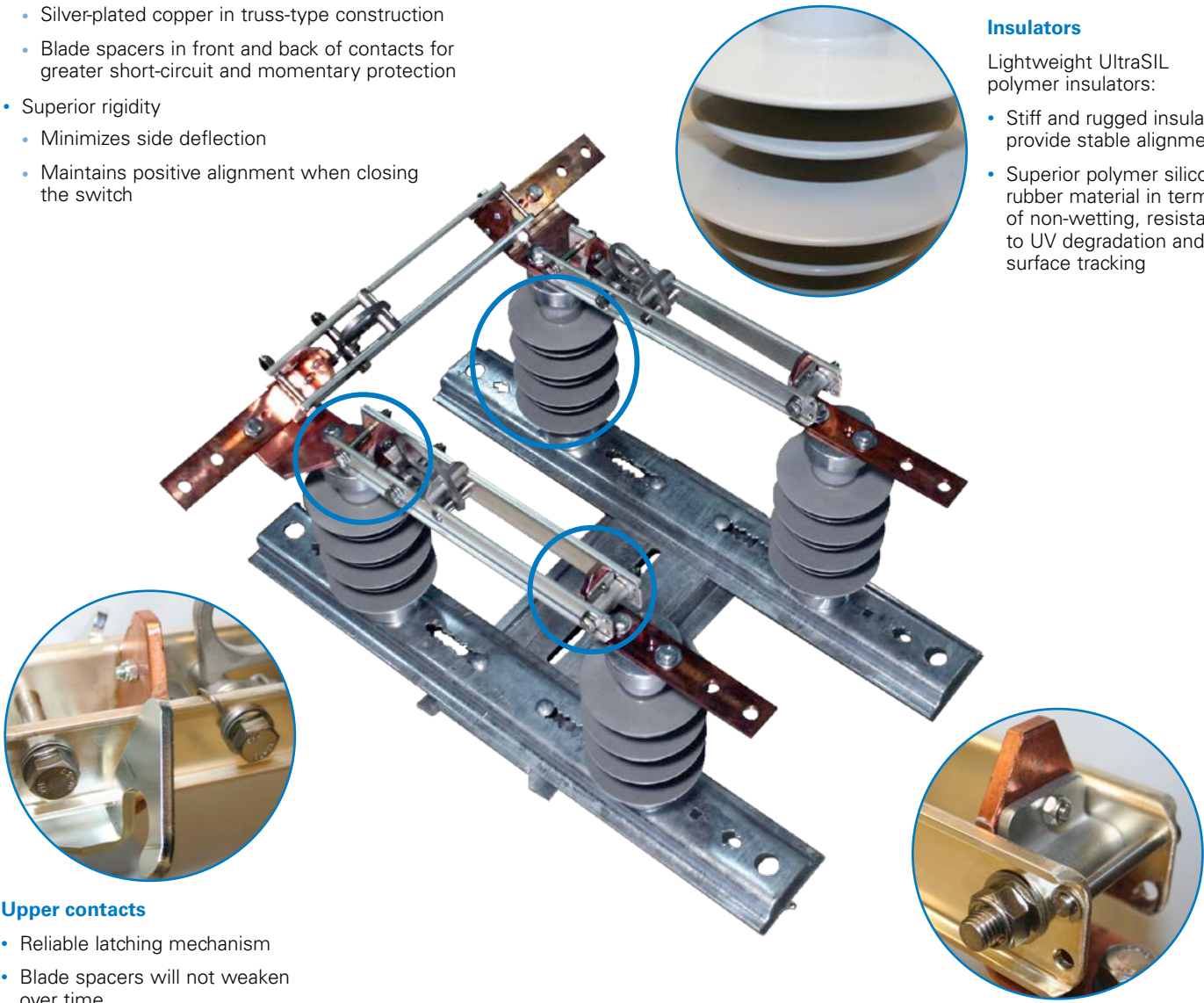
## Blade design

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

## Insulators

Lightweight UltraSIL polymer insulators:

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



## 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

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

**Eaton's Power Systems Division**  
2300 Badger Drive  
Waukesha, WI 53188  
United States  
Eaton.com/cooperpowerseries

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