

# RACO Motor Connector



- Provide the Safety of a Disconnect Switch
- NEMA 4X
- Spring loaded Contacts
- Dependable
- Robust
- Easy to use
- Water tight

## RACO MOTOR QUICK CONNECTOR

### Application

The RACO quick motor connector is offered as an optional device to provide reliable motor power connection in places where the access to the actuator is limited or difficult to reach.

How often are tools and parts lost during installation and maintenance over water ways on movable bridges, on gates and chutes high above ground in coal prep plants, or in aggregate mining operations. To avoid this frustrating experience RACO has designed this simple NEC / CSA & NFPA 70E compliant solution.

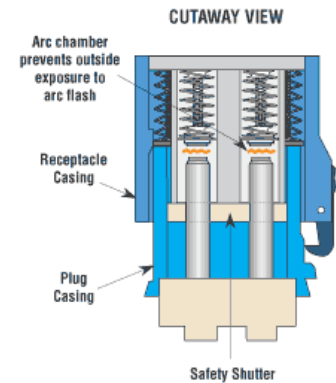
### Mechanical & Electrical Design

With the connectors switch rating, push button load breaking, and dead front construction, RACO actuator motor quick connectors provide a simple and convenient plug & play connection while also ensuring user safety.



The RACO actuator motor quick connector eliminates the need for the

mechanical interlocks and auxiliary non-fused disconnect switch required with other types of connectors. It also helps to avoid the need for the work practices necessary to meet NFPA 70E requirements for work performed around live conductors. The connectors are UL and CSA rated for motor circuit disconnect switching and are an approved NEC/CSA line of sight disconnect switch.



### Technical Data

Rated Voltage	480V AC, 3 Phase + GND
Rated Current	20 A
Rated Motor Power	5 Hp, 3.67 kW
Protection Class	NEMA 4X, IP 66 +67
Temperature Range	-40°F to 140°F, -40°C to 60°C
Compliant with	UL 2682, NEC, CSA, NFPA 70E
Short Circuit Withstand	>= 10kA (pf = 0.4 to 0.5)
Temperature Rise	< 86 °F, < 30 °C
Voltage Withstand	1000V + 200% of rated voltage
Electrical Endurance	6000 cycles @ rated current & voltage (pf = 0.75 to 0.80)