

**POWERMITE**

**UNDERGROUND  
MINING SOLUTIONS**

**AMPCO FLP**



*Connecting Africa*  
*At long last... A new innovative anti-theft material.*

a member of the **Hudaco** group

# 200A 1.1kV BOLTED COUPLER, ADAPTOR and MOTOR SOCKET

Available in Brass or HPM  
(High-Pressure Metal)

## Features and Benefits



Individually screened contacts

Motor socket standard with double seal

Square & long adaptor flanges (ease of fitting)

## Applications



Cutter motors on continuous miner (CM)

Jet fans

Pumps

## BOLTED HALF COUPLER

- AC & DC applications
- Cable entry for UA
- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3 or 4 pin
- Connector type: Half coupler, bolted
- Current rating: 200A continuous
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimp type connectors
- Pilot: Brass
- Voltage: 1100V
- Certified to SANS 60079-0-1



## BOLTED RIGHT ANGLED ADAPTOR

- AC & DC applications
- Complete phase segregation, no phase-to-phase failures
- Contact quantity: 3 or 4 pin
- Connector type motor socket: Bolted
- Current rating: 200A continuous
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimp type connectors
- Pilot: Brass
- Voltage: 1100V
- Certified to SANS IEC60079-0-1



## BOLTED SQUARE ADAPTOR

- AC & DC applications
- Complete phase segregation, no phase-to-phase failures
- Contact quantity: 3 or 4 pin
- Connector type: Adaptor, Bolted
- Current rating: 200A continuous
- Flameproof certified
- Housing: Brass or HPM
- Long or square flange mounting
- Phase conductors: Copper, grubscrew or crimp type connectors
- Pilot: Brass
- Voltage: 1100V
- Certified to SANS IEC60079-0-1



# 250A 1.1kV RESTRAINED PLUGS and SOCKETS

## RESTRAINED PLUG

- Cable entry for UA
- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3-Phase & 1 pilot
- Connector type: Plug restrained
- Current rating: 250A continuous
- DC Model available: 425A 1 positive/1 negative phase & 2 pilots
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimp type connectors
- Pilot: Brass
- Voltage: 650/1100V
- Certified to SANS 60079-0-1 & SANS 1489

## RESTRAINED SOCKET

- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3-Phase & 1 pilot
- Connector type: Socket restrained
- Current rating: 250A continuous
- DC Model available: 425A 1 positive / 1 negative phase & 2 pilots
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimp type connectors
- Pilot: Brass
- Tails can be fitted in-house
- Voltage: 650/1100V
- Tamper Proof Spindle (NEW)
- Certified to SANS IEC60079 & SANS 1489

## Applications

- Continuous miner (CM)
- Gate & boxes
- Jet fans
- Roof bolters
- Shuttle cars

## PLUG COUPLER

- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3-Phase & pilot
- Connector type: Restrained back-to-back coupler
- Current rating: 250A continuous
- Flameproof certified (Sockets certified separately, Exd Group 1)
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimp type connectors
- Pilot: Brass
- Voltage: 1100V
- Certified to SANS IEC60079-0-1 & SANS 1489

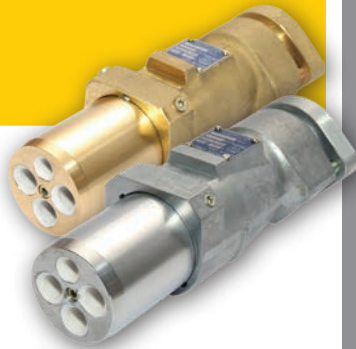


## Features and Benefits



- Bolt-on back gland
- Crimp contacts
- Earth stud securely fitted
- Grommets cut to suite cable sizes
- IP65 rated & corrosion resistant
- Individual insulators for lowest total cost of ownership
- Solid barrel = less risk of damage

# 425A 1.1kV RESTRAINED PLUGS



## RESTRAINED PLUGS

- Cable entry for UA
- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3-phase & 1 pilot
- Contact quantity 3-phase & 3 Pilot (optional)
- Connector type: Plug restrained
- Current rating: 425A continuous
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimped type connectors
- Pilot: Brass
- Voltage: 650/1100V
- Certified to SANS IEC60079-0-1 & SANS 1489



## RESTRAINED BACK-TO-BACK COUPLER

- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3-phase & 1 pilot
- Contact quantity & type: 3-phase & 3 pilot (optional)
- Connector type: Socket restrained
- Current rating: 425A continuous
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimped type connectors
- Pilot: Brass
- Tails can be fitted in-house
- Voltage: 650/1100V
- Certified to SANS IEC60079-0-1 & SANS 1489



## 425A 3.3kV PLUG + SOCKET BOLTED OR RESTRAINED

- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3-phase & 3 pilot
- Connector type: Socket restrained
- Current rating: 425A continuous
- Flameproof certified
- Housing: Brass or HPM

- Individually screened insulators
- Phase conductors: Copper, grubscrew or crimped type connectors
- Pilot: Brass
- Tails can be fitted in-house
- Voltage: 650/1100V
- Certified to SANS IEC60079-0-1 & SANS 1489



### Features and Benefits



Available in HPM material and reduces the risk of theft.

Grubscrew or crimp type connectors

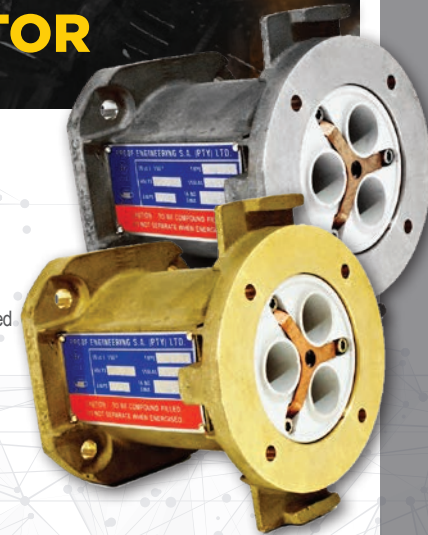
Individually screened contacts



### Applications

Power supply to underground machines and surface-to-underground machines

# 300A 3.3kV HALF COUPLER and ADAPTOR



## BOLTED ADAPTOR

- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Adaptor, compound filled
- Current rating: 300A
- Flameproof certified
- Housing: Brass or HPM
- Phase conductors: Copper
- Pilot: Brass
- Silicone insulator
- Voltage: 3300V
- Certified to SANS IEC60079-0-1; BS 3454 & SANS 1489
- Tails can be fitted in-house



## BOLTED HALF COUPLER

- Cable entry for SWA or UA
- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Half coupler
- Current rating: 300A
- Flameproof certified
- Housing: Brass or HPM
- Phase conductors: Copper
- Pilot: Brass
- Silicone insulator
- Voltage: 3300V
- Certified to SANS IEC60079-0-1; BS 3454 & SANS 1489



### Features and Benefits



Grub, screw or crimped contact pins

Grommets cut to suite cable size

Meets both SANS 1489 & BS 3454 specifications

Silicone insulator



### Applications

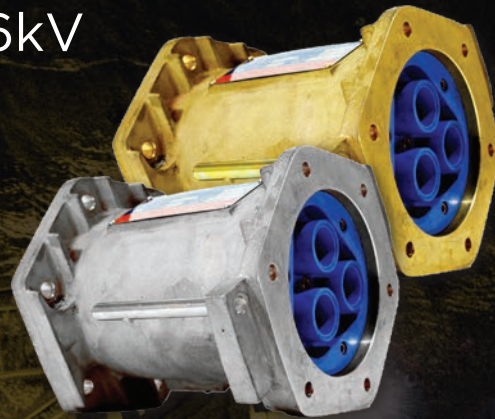
Power supply to underground machines and surface-to-underground machines

# 300A / 400A 6.6kV HALF COUPLER and ADAPTOR

Available in Brass or HPM  
(High-Pressure Metal)

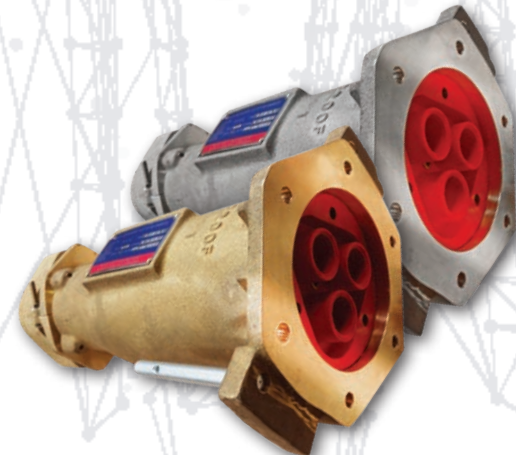
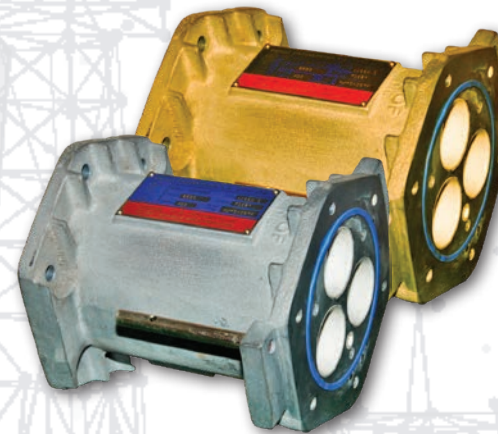
## BOLTED ADAPTOR

- Cable entry for SWA or UA
- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Half Coupler
- Current rating: 300A
- Flameproof certified
- Housing: Brass or HPM
- Phase conductors: Copper
- Pilot: Brass
- Tails can be fitted in-house
- Silicone insulator
- Voltage: 6600V
- Certified to SANS IEC60079-0-1, BS 3905 & SANS 1489



## BOLTED HALF COUPLER

- Cable entry for SWA or UA
- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Half Coupler
- Current rating: 300A
- Flameproof certified
- Housing: Brass or HPM
- Phase conductors: Copper
- Pilot: Brass
- Silicone insulator
- Voltage: 6600V
- Certified to SANS IEC60079-0-1 & BS 3905 & SANS 1489



## BOLTED ADAPTOR

- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Adaptor
- Current rating: 400A
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper
- Pilot: Brass
- Tails can be fitted in-house
- Voltage: 6600V
- Certified to SANS IEC60079-0-1 & SANS 1489



## BOLTED HALF COUPLER

- Cable entry for SWA or UA
- Complete phase segregation, no phase-to-phase failures
- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Half coupler
- Current rating: 400A
- Flameproof certified
- Housing: Brass or HPM with longer body (larger cable)
- Individually screened insulators
- Phase conductors: Copper
- Pilot: Brass
- Tails can be fitted in-house
- Voltage: 6600V
- Certified to SANS IEC60079-0-1 & SANS 1489



## BOLTED HALF COUPLER LONG BODY

- Cable entry for SWA or UA
- Contact quantity & type: 3 Pin & 1 pilot
- Connector type: Half Coupler
- Current rating: 300A
- Flameproof certified
- Housing: Brass or HPM
- Phase conductors: Copper
- Pilot: Brass
- Silicone insulator
- Voltage: 6600V
- Certified to SANS IEC60079-0-1 & BS 3905 & SANS 1489



### Features and Benefits

#### 6.6kV 300A

- Available in HPM anti-theft material
- Cable entry for SWA or UA
- Grommets cut to size
- Grub or crimp contact pins
- Silicone insulators

#### 6.6kV 400A

- Available in HPM anti-theft material
- Cable entry for SWA or UA
- Grubscrew or crimp type connectors
- Individually screened contacts
- Silicone connecting sleeves (Eliminates air within the joints)

### Applications

Power supply to underground machines and surface-to-underground machines

# 400A 12kV HALF COUPLER and ADAPTOR



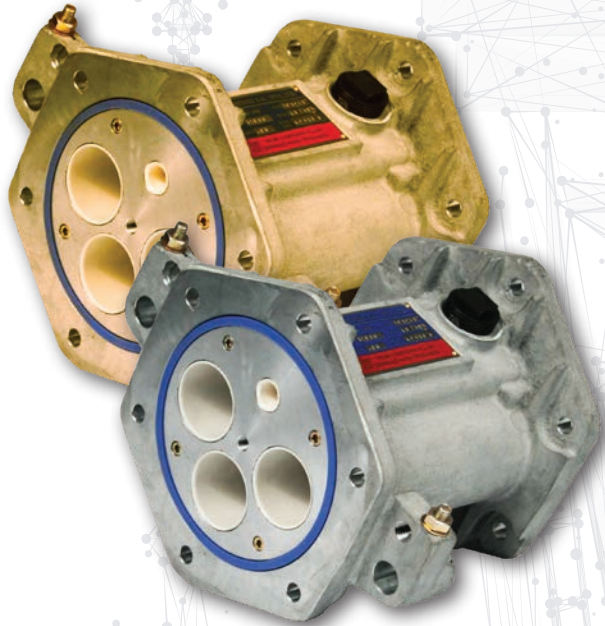
## Features and Benefits

- Available in HPM anti-theft material
- Grubscrew or crimp type connectors
- Individually screened contacts
- Silicone connecting sleeves (reduces air within the joint)



## Applications

- Power supply to underground machines
- Power supply to surface-to-underground machines

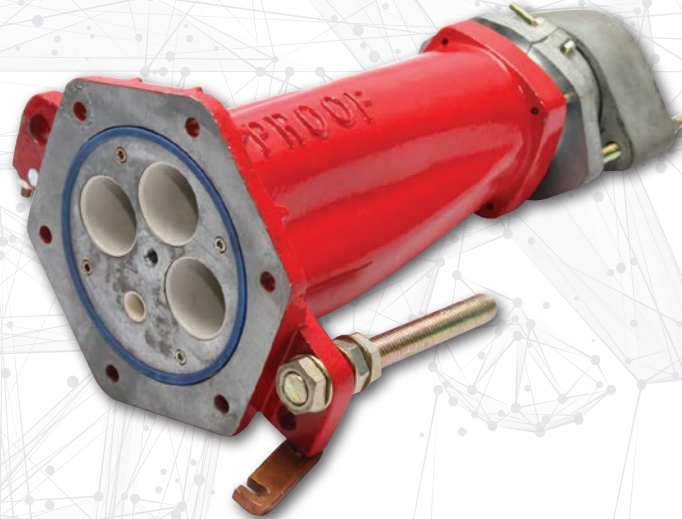


### BOLTED ADAPTOR

- Complete phase segregation, no phase-to-phase failures
- Contact quantity: 3 Pin & 1 pilot (2 or 3 pilots optional)
- Connector type: Bolted Adaptor
- Current rating: 400A
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- Phase conductors: Copper
- Pilot: Brass
- Tails can be fitted in-house
- Voltage: 12 000V
- Certified to SANS IEC60079-0-1 & SANS 1489

#### Test Report No.

High voltage: 3822/83930B  
Lightning impulse: 3822/83930A  
Temperature rise: 3842/87173/P33  
3-Phase current: 3842/84499/P53

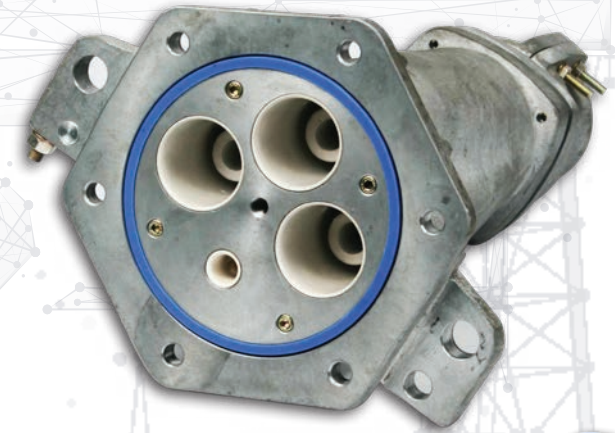


### BOLTED HALF COUPLER

- Cable entry for SWA or UA
- Complete phase segregation, no phase-to-phase failures
- Contact quantity: 3 Pin & 1 pilot (2 or 3 pilots optional)
- Connector type: Bolted half coupler
- Current rating: 400A
- Flameproof certified
- Housing: Brass or HPM
- Individually screened insulators
- New shorter body: Less weight, easier to handle
- Phase conductors: Copper
- Pilot: Brass
- Voltage: 12 000V
- Certified to SANS IEC60079-0-1 & SANS 1489

#### Test Report No.

High voltage: 3822/83930B  
Lightning impulse: 3822/83930A  
Temperature rise: 3842/87173/P33  
3-Phase current: 3842/84499/P53



### CONNECTION KIT

- Complete phase segregation, no phase-to-phase failures
- Improved connection
- Connection kit for 12 000V 400A bolted half coupler & adaptor
- Female contacts: Copper
- Female contacts housed within a silicone sleeve
- Flameproof certified
- Housing: Brass or HPM
- Pilot contact: Brass
- Removes all air voids
- Certified to SANS IEC60079-0-1 & SANS 1489



- Quickest and easiest coupler available on the market to terminate
- Termination of the cable into the coupler (available on request)
- Training on terminating the coupler (available on request)
- Coupler repair services (available on request)
- Spares locally manufactured (ex-stock)
- Technical back-up and support 24/7

## After Sales Service Solutions

# ENERGY SAVING and FAMEPROOF LUMINAIRE

**AZOLITE**



## NON FLAMEPROOF ENERGY SAVING



- Mains connection (with 5A plug and lead or with IEC plug)
- Control gear - Electronic ballast as standard, rapid start on request.
- Available in LED or Fluorescent tubes:
  - 1500mm long, 65/57 watt
  - 1200mm long, 40/37 watt
  - 600mm long, 40/20 watt
- Other sizes and wattages on application
- Standard voltages: 220 volt, 50Hz, 110 volt, 50Hz, 32 volt, 50Hz
- Other voltages AC or DC on application

### Certification

Enclosure protection IP-66 specification to SANS 60529

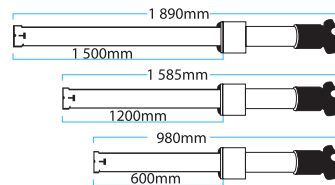
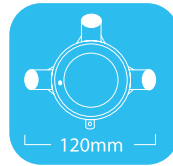
## FLAMEPROOF LUMINAIRE



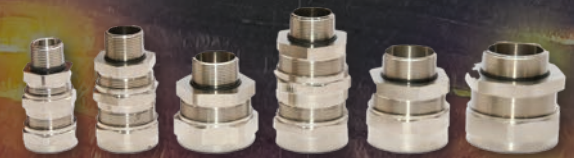
- Built-in switch enabling complete safety when replacing lamp or ballast
- Low weight (less than 6KG)
- Low maintenance
- Mounting in any position
- Compact size
- Provision for three cable entries
- Competitive price
- Can be fitted with reflector (any angle)
- Available in LED
- Standard voltages 220 volt, 50Hz, 110 volt, 50Hz, 32 volt, 50Hz

### Rugged Construction

- Cable entry coupler of polycarbonate moulded construction
- Contoured silicone rubber gaskets
- Enclosure protection IP-68 (water and dust proof)
- Clear extruded ultra-violet stabilised polycarbonate lamp cover sleeve (with and without reflector)
- Earthing maintained internally and clearly visible externally
- Operating position (any angle)



Built-in safety isolation for tube replacement in methane environment. Certified to SANS 60079/0/1



## ORION and CRATER EXD AMPgland

Double-up on compression protection with new ORION AMPgland cable glands. Featuring a double-compression O-ring, the state-of-the-art gland secures and seals cables safely and efficiently.

- Clamping range from 3mm (min) to 80mm (max)
- Two O-rings on shield cone - double sealing ensures unparalleled protection against contaminate intrusion.
- Easy to install - swivelling 'shielding cone' for clamping armour is secured by O-rings to upper and lower body. (Also prevents shield cone from being lost during disassembly of cable gland during installation.)
- Effortless maintenance - easy removal of internal parts (fixed only with O-rings).

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## After Sales Service Solutions

- Coupler repair services (available on request)
- Spares locally manufactured (ex-stock)
- Technical back-up and support 24/7
- Termination of the cable into the coupler (available on request)
- Training on terminating the coupler (available on request)

AMPCO

AZOLITE  
HAZARDOUS LIGHTING SYSTEMS

PROOF  
MINING SOLUTIONS

AMPgland®

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