



# 15 kV COUPLERS IMG SERIES

**WE MAKE THE CONNECTION.**

## IMG SERIES

### 15kV - 500 Amp

As power demand has steadily increased, the use of portable power cable and couplers at 15kV has become commonplace. The IMG series is the latest evolution of coupler from P&C incorporating over 50 years of design and manufacturing experience. This series of couplers eliminates the need for filling compounds and solder type connections common to legacy products in this voltage class. The IMG series 15kV couplers are quickly becoming the preferred coupler for mines that demand the highest level of performance.



## FEATURES

- **Low insertion force contact band** or standard contact with external tension springs
- **High strength, insulating Phase insulators** are made from, UL™ approved material ensuring durability, heat resistance and high dielectric strength
- **Fully shielded design**
- **Wedge pin or crimp style wire stems**
- **Exclusive “Wedge Pin” wire termination** ensures a secure contact and connection between conductors and pin/socket contacts.
- **Molded EPDM stress cone terminations** are reusable and provides air-free termination.
- **500A current rating**
- **IP67 ingress protection:** Cable Entrance assembly provides IP67 Level seal and clamp cable to coupler.
- **Air-free insulation** eliminates de-rating for altitude

## OPTIONS

- Junction to connect Male Cable End to Male Cable End
- Durable, powder coat finish (various colours)
- Live-Line LED Indication safety feature
- Optional “Key Interlock” system is an additional optional feature in the 15 kV system that prevents coupler disconnection, without prior switch house lock out
- Cable Mount Coupler w/ Leg Mount or Cable Mount Coupler w/ Handle
- Rotated Phases or Straight Through (Adapter Only)
- Key Interlock system: prevents coupler disconnection without prior switch house lock-out.

*Please contact factory for any of the above mentioned options*





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Illustration (not to scale)	Coupler Rating (A)	Catalogue Number	Dimensions				Weight
			A	B	C	D	
<p>CABLE MOUNTED MALE</p>	500	<b>CSM15500</b>	274 mm 10.79"	496 mm 19.53"	642 mm 25.28"		22.19 kg 48.92 lbs
<p>CABLE MOUNTED FEMALE</p>	500	<b>CSF15500</b>	274 mm 10.79"	627 mm 24.69"	703 mm 27.68"		23.19 kg 51.13 lbs
<p>EQUIPMENT MOUNTED MALE</p>	500	<b>EMM15500</b>	313 mm 12.32"	88 mm 3.46"	108 mm 4.25"	130 mm 5.12"	17.10 kg 37.69 lbs
<p>EQUIPMENT MOUNTED FEMALE</p>	500	<b>EMF15500</b>	313 mm 12.32"	112 mm 4.41"	223 mm 8.78"	299 mm 11.77"	18.08 kg 39.86 lbs

## ELECTRICAL CHARACTERISTICS

- Nominal voltage 15kV AC
- Nominal current 500 Amps
- Short time short-circuit withstand 25 kA RMS
- Impulse withstand voltage (BIL) 110kV

## MECHANICAL CHARACTERISTICS

- Enclosure degree of protection IP67H
- Maximum conductor size 350 MCM / 185 mm<sup>2</sup> max.

