Amphenol®



MVC 15KV

for the best interconnect for the job, AIGO's MVC 15KV cable coupler with "Rapid-Couple®" technology will not leave you must rely heavily on electrical equipment. The safe and reliable transfer of electricity throughout a site is a significant concern. The MVC 15KV incorporates patented RADSOK® contact technology for higher amperage (20% greater than a standard contact), lower T-rise, less resistance and reduced mating

Engineered to Amphenol's high standards for ruggedness and reliability there is no field condition in the world that can impede the MVC. Our Rapid-Couple[®] interlock method makes for quick and easy mating and unmating. This provides for positive mating and secure fitting covers that repel water and soil while keeping the contacts uncontaminated. The MVC 15KV coupler has been remarkably designed with a wide range of feetures.

Features:

- Cast aluminum housing standard, other materials available
- Bolt-on strain relief backend eliminates external threads
- Self-aligning housings
- · All parts are replaceable, including contacts, and can be
- All parts are replaceable, including contacts, and can be serviced easily in the field, equaling less downtime for repairs
 Rapid-Couple mating technology
 Incorporates patented RADSOK® contact technology leading to 20% more current in the same size contact, while reducing mating forces
 Medially-located grounded surface running through mounting plate
 Fire retardant insulators
 Weatherproof covers
 Industry-wide compatibility
 Coupler mating is a one person operation without the pood

www.amphenol-industrial.com



The Amphenol MVC 15KV coupler has a standard contact arrangement containing three insulated phase contacts, one ground contact, and one isolated ground check (pilot contact). Please consult the factory for other contact configurations.

Technical Data				
Rated Current	Up to 600 Amps			
Rated Voltage	15,000V			
Cable Size	Up to 500 MCM, 250mm ²			

MVC 15KV Amp Coupler Weights and Dimensions								
Illustration (not to scale)		Weight						
CABLE MOUNTED MALE	Α	В	С	D	E			
T B	20 1/4" 514 mm	10 1/2" 267 mm	24 1/2" 622 mm			38.0 lb 17.0 kg		
EQUIPMENT MOUNTED MALE	4 3/4" 121 mm	12 1/4" 311 mm	9" 229 mm	11" 279 mm	1 1/2" 38 mm	32.0 lb 14.5 kg		
CABLE MOUNTED FEMALE	24" 610 mm	11 1/2" 292 mm	27" 686 mm			38.0 lb 17.0 kg		
EQUIPMENT MOUNTED FEMALE	5 1/4" 133 mm	12 1/4" 311 mm	8 1/4" 210 mm	11" 279 mm	4" 102 mm	27.0 lb 12.3 kg		



How	to order													
	1		2		3		4		5	6	7			8
	MVC		8		Р		2		Р	С	W6			(BL)
	Product Line	Vo	oltage		Body Type		Mounting	С	ontacts	Conductor Size	Entrance Fitting/ (Leave Blank for 600V or E	Seal Size quipment Mount)		Modifications
MVC	Medium Voltage Connector	15	15KV	Р	Plug	1	Equipment Mount I	Р	Pin	See Table A	See Table	В	K	Key Interlock
				R	Receptacle	2	Cable Mount S	S	Socket				F	Fiber Provision
													See Table C	Powder Coating Body

Table B (Entrance Fitting & Cable Seal)

Table A (Conductor Size)					
Conductor	Code				
#4 AWG	Α				
#3 AWG	В				
#2 AWG	С				
#1 AWG	D				
1/0 AWG	E				
2/0 AWG	F				
3/0 AWG	G				
4/0 AWG	Н				
250 MCM	1				
300 MCM	J				
350 MCM	K				
400 MCM	L				
450 MCM	М				
500 MCM	N				

Table D (Littl	ance i itting &	Cable Seal)			
Outside Cable Diameter Code					
(mm)	(in)				
20.9 -22.1	0.82-0.87	W1			
22.4-23.9	0.88-0.94	W2			
24.2-25.7	0.95-1.01	W3			
26.0-26.9	1.02-1.06	W4			
27.2-28.5	1.07-1.12	W5			
28.8-31.8	1.13-1.25	W6			
32.1-34.8	1.26-1.37	W7			
35.1-38.1	1.38-1.50	W8			
38.4-41.2	1.51-1.62	W9			
41.5-44.5	1.63-1.75	W10			
44.8-47.5	1.76-1.87	W11			
47.8-50.8	1.88-2.00	X1			
51.0-53.9	2.01-2.12	X2			
54.2-57.2	2.13-2.25	X3			
57.5-60.2	2.26-2.37	X4			
60.5-63.5	2.38-2.50	Y1			
63.8-66.6	2.51-2.62	Y2			
66.9-69.9	2.63-2.75	Y3			
70.2-72.9	2.76-2.87	Z1			
73.2-76.2	2.88-3.00	Z2			
76.5-79.3	3.01-3.12	Z3			
79.6-82.6	3.13-3.25	Z4			
82.9-85.6	3.26-3.37	Z5			
85.9-88.9	3.38-3.50	Z6			

Table C (Powder Coating Color)					
Color	Code				
No Color	Leave Blank (Standard)				
Blue	BL				
Orange	OG				
Red	RD				
White	WH				

Other Markets: Tunneling, Utility & Shore Power

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

For further information on your individual application requirements, contact: Amphenol Corporatior

North America: Amphenol Industrial Operations 180 N. Freeport Drive, Plant 4 Nogales, AZ 85621 Tel: (520) 285-5130 Fax: (520) 285-5134

Europe: Amphenol Industrial Operations Europe Via Barbaiana 5 1-20020 Lainate (MI) Italy Tel: +39 02 93254.204 Fax: +39 02 93254.444 Middle East:
Amphenol Middle East Enterprises FZE
Office C-37 PO Box 21107
Ajman Free Zone, UAE
Tel: +9716-7422494
Fax: +9716-7422941

Asia:
Amphenol Technology (Zhuhai) Co., LTD
No.63, Xin Han Rd., San Zao Town,
Jin Wan District
Zhuhai City, China 519040
Tel; +0756-3989760
Fax; +0756-3989768
www.amphenol-industrial.com