



# RNG-DPC VHF POWER COUPLER

- Used to Inject DC Voltage onto the Leaky Feeder system
- Low Main Line Loss
- Does Not Affect Amplifier Spacing
- 0-40 Vdc Input Range
- Passive Device
- DC Blocking and Termination via Jumper

## FEATURES

The Becker Mining Systems smartcom® 150 Power Couplers provide an interface between the Leaky Feeder network and system Power Supplies. These devices introduce negligible loss to the Leaky Feeder network and therefore do not affect amplifier spacing.

The Main Line and DC In/Spur branches have jumpers to select:

Terminate: 75 Ω Termination

No DC: Blocks DC to/from branch

Normal: Passes RF and DC.

## TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
75 Ω Termination	Jumper Select on MAIN LINE BR and DC IN/SPUR BR
Input/Output Impedance	75 Ω
Frequency Range	10-200 MHz
RF Loss	MAIN LINE BR: 1.5 dB, DC IN /SPUR BR: 22 dB
Input Voltage Range	0-40 Vdc
Current Consumption	0 mA
DC Blocking	Jumper Select on MAIN LINE BR and DC IN/SPUR BR

MECHANICAL DATA	
Enclosure	Polystyrene
Dimensions (L x H x W)	200 x 75 x 130 mm (7.9 x 3.0 x 5.1 in)
Weight (nominal)	0.4 kg (0.88 lbs)
Connectors	3 Three terminal Lug Connectors, PG21 Cable Grips

ENVIRONMENTAL DATA	
Temperature Range	-20 to +60° C (-4 to +140° F)
Protection Class	NEMA 4x (IP66)

APPROVALS	
CE Certification	Yes
MSHA Approval	See RIS-DPC

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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