



# RIS-TER VHF IS TERMINATION UNIT

- Intrinsically Safe MSHA Certified
- End of Line Unit
- Absorbs RF Signals
- Prevents Reflections and Distortions
- Passive Device

## FEATURES

Becker Mining Systems' smartcom® 150IS Termination units are required at the end of each Leaky Feeder cable branch to absorb RF signals, preventing reflections and distortion.

Alternately, Stope antennas (RIS-AN1) can be installed at the end of Leaky Feeder branches to extend coverage into stopes or areas where cable damage is likely.

The layout rules for smartcom® 150IS systems can be found in the latest version of drawing MSHA-IS-01.

## TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	75 Ω termination
Frequency Range	10-200 MHz
Input Voltage	0-12 Vdc
Current Consumption	0 mA

MECHANICAL DATA	
Enclosure	Fiberglass reinforced polyester plastic
Dimensions (L x H x W)	145 x 75 x 75 mm (5.7 x 3.0 x 3.0 in)
Conformal Coating	2 coats, CTI > 100
Weight (nominal)	0.5 kg (1.1 lbs)
Connector	1 Three terminal Lug Connector, PG21 cable grip

ENVIRONMENTAL DATA	
Temperature Range	-20 to +60° C (-4 to +140° F)
Protection Class	NEMA 3 (IP54)

APPROVALS	
MSHA	#23-A050001-0

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.

Rev. F