



RIS-BAR VHF IS BARRIER UNIT

- Intrinsically safe MSHA-certified
- Barrier between “safe” and “dangerous” areas
- Defines DC cells

FEATURES

The smartcom® 150IS barrier unit from Becker Mining Systems acts as a barrier between “safe” and “hazardous” areas within an IS plant. Barrier units are also used to define DC cells within an IS plant.

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
Frequency range	145-185 MHz
Loss of insertion	< 1 dB
Tension	DC blocking

MECHANICAL DATA

Enclosure	Fiberglass-reinforced polyester plastic
Dimensions (L x W x H)	230 x 160 x 91 mm (9.1 x 6.3 x 3.6 in)
Conformal Coating	2 coats, CTI > 100
Weight (nominal)	1.5 kg (3.31 lbs)
Connectors	2 Three-terminal lug connectors, PG21 cable ties

ENVIRONMENTAL DATA

Temperature range	-20 to +60° C (-4 to +140° F)
Protection class	NEMA 4x (IP66)

APPROVALS

MSHA	#23-A050001-0
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Technical data are limit values.

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

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