



RIS-SP2 VHF IS TWO-WAY SPLITTER

- Intrinsically Safe MSHA Certified
- RF Branching off Leaky Feeder Cable
- DC Blocking and Termination Selection on each Branch via Jumper
- 75 Ohm Impedance

FEATURES

Becker Mining Systems' two-way splitters enable branching of Leaky Feeder cable in a smartcom® 150IS system. The RIS-SP2 is a fully functional VHF splitter for the frequencies 10-200 MHz.

Each branch has jumpers to select its mode of operation:

Terminate: 75 Ω Termination.

No DC: Blocks DC voltage to/from branch.

Normal: Passes RF and DC.

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

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS

75 ohm Termination	Jumper Select on BR 1 and BR 2
Input/Output Impedance	75 Ω
Frequency Range	10-200 MHz
RF Loss	BR1: 4 dB, BR2: 4 dB
Input Voltage Range	0-12 Vdc
Current Consumption	0 mA
DC Blocking	Jumper Select on BR 1 and BR 2

MECHANICAL DATA

Enclosure	Fiberglass reinforced polyester plastic
Dimensions (L x H x W)	230 x 91 x 160 mm (9.1 x 3.6 x 6.3)
Conformal Coating	2 coats, CTI > 100
Weight (nominal)	1.6 kg (3.53 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

MSHA	#23-A050001-0
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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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