

AccuSelect™ Switch

Delivers reliable switching for multizonal perforating

Applications

- Horizontal completions
- Multizonal perforating
- Ballistic release devices

Features and Benefits

- Advanced startup algorithm enables inventory speeds up to three times faster than standard switches
- Detonator presence verification
- Compatible with latest UniFire™ software

Tool Description

The Weatherford AccuSelect switch is a reliable solution for horizontal completions and multizonal perforating. Its advanced startup algorithm enables inventory speeds up to three times faster than standard switches. The switch is compatible with the latest UniFire software.

Specifications

Ratings and Dimensions

Dimensions (L x W x H)	1.8 x 0.75 x .33 in. (45.7 x 19.0 x 838.2 mm)
Housing	Heat shrink
Strain relief	Wires integrally strain-relieved to PCB
Temperature range	-58 to 392°F (-50 to 200°C)
Operating temperature range	-20 to 347°F (-28 to 175°C)

Hardware Characteristics

Switches per string	Maximum 40
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AccuSelect™ Switch

Specifications (continued)

Electrical

Operating voltage	-20V DC to -600 V DC
Maximum voltage	600 V (transient voltage forward/reverse)
Maximum firing current	Forward (nominal) 1 A for 12 seconds ¹ Forward (maximum) 1.5 A for 5 seconds ¹
Standby current	0.5 mA
Comms current	20 mA surface / 20 mA downhole
Dets/igniters/set	50 ohm or higher
Radio frequency	1 MHz to 1,000 MHz ESD
ESD (electrostatic discharge) safety rating	Safe to 25,000 V ²
Wire color coding	White - input (-v) Black - ground Green stripe - det. hot Black stripe - det. ground Blue - feed-through

¹At maximum operating temperature

²ESD safety rating in accordance with MIL-DTL-23659 E

