Engineering
Performance

Trigger Unit (TU)
for SUMMIT X One seismic system

Trigger Signals / Connector Pinout	
Connector type	ODU MiniSnap S42B0C-P07MPN0-600S 702.023.204.965.050
Pin 1 (red wire)	Trigger Slope Input Triggers on short cut between Pin 1 and GND (Pin 7)
Pin 2 (white wire)	Trigger Pulse Input Maximum 5 V DC Default Trigger Threshold @ 2.5 VDC
Pin 3 (green wire)	Trigger / Source enable out Provides positive pulse (5 V, 125 ms pulse width) when trigger is enabled
Pin 4 (orange wire)	Reserved
Pin 5 (blue wire)	Reserved
Pin 6 (brown wire)	5V DC output (max. 100 mA) Provides 5V for external devices
Pin 7 (black wire)	GND
Environmental Specifications	
Operation Temperature	-25°C to + 60°C
Humidity Range	0 – 100 %
Protection Class	IP 68
Case	Solid waterproof housing deployable in any surface environment

The Trigger Unit (TU) offers a very flexible alternative way of feeding the trigger signal into the SUMMIT X One seismic data acquisition system. Instead of connecting long trigger cables to the closest Data Collector Unit, the Trigger Unit can move with the source and connect to the SUMMIT X One Line cable at any place along the line using the same SNAP-ON Technology as the SUMMIT X One Remote Units.

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