

Zone Blasting Switch



Zone Blasting Switch

Application Description

Used as a means to safely initiate the blasting process found in mining, quarrying or roadway construction.

Product Description

- 30A – 100A
- 2 pole, 600V AC - 250VDC maximum
- Non-fusible disconnect, Heavy Duty K switch design
- Highly visible RED Type 12/3R rated enclosure, or 4X stainless steel available
- Manually operated with three interlocked positions – PRIME, TEST, SHORT
 - PRIME – initiates the blast
 - TEST – neutral position, enables safe installation of detonator wires galvanometer testing
 - SHORT – provides a deadshort once blast complete

- Three lockable positions, each position accepts 3 x 3/8" shank locks
- 100% load break and make rated
- Optional auxiliary contacts available

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Features

Unsurpassed safety through a single point of control during the blasting process, along with a separate deadshort position safeguarding against premature blasts.

Reduced installation time, with an all in one mechanical connection to short-circuit the blasting leg wires.

A permanent galvanometer testing connection is a quick, simple and safe standard feature as opposed to the alternate methods of twisting and untwisting wires when performing short and test functions.

Easy identification with highly visible red enclosure and lamacoid nameplates.

Standards and Certifications

- CSA Certified LL45963
- Meets C22.2 No.4 for enclosed switches



Product Selection

12DT261NFREDB

Zone Blasting Switch, 600VAC max. Non-Fusible - Type 12/3R, 4X Enclosure



Maximum Horsepower Rating

Ampere	Fuse Type Provision	Single Phase AC		DC	Catalogue Number	
		480V	600V	250V	Type 12 Enclosure - Red [Ⓞ]	Type 4X Enclosure - Stainless Steel
30	—	7.5	10	5	12DT261NFREDB	4DT261NFB
60	—	20	25	10	12DT262NFREDB	4DT262NFB
100	—	40	50	20	12DT263NFREDB	4DT263NFB

Notes

Ⓞ Type 12 enclosure can be field modified to 3R rating when drain screw from bottom of enclosure is removed.

Accessories

Auxiliary Contact

Circuit	Catalogue Number
1 N/O, 1 N/C (Qty 2 required)	DS200EK1

Technical Data and Specifications

Terminal Capacity

Disconnect Switch Size	Wire Size
30A	#14-2 Cu/Al
60A	#14-2 Cu/Al
100A	#14-1/0 Cu/Al

Functions

Prime: The position that initiates the blast or blast signal.

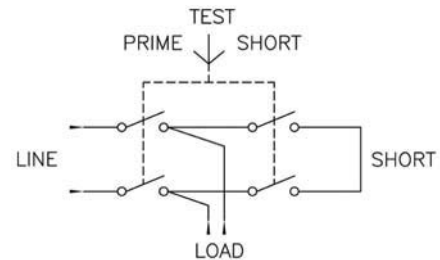
Test: An isolated position for operator to install detonator wires to load lugs, provides a permanent means for testing continuity of circuits with galvanometer.

Short: Position that mechanically short circuits the leg wires. Once the blast has been completed, operator must return to the short position to activate the dead short.

Note: Once installation of the leg wires and testing have been completed in the test position, the door of the enclosure must be closed to activate the prime position, as well to activate the short position.

Mechanism: Side operated handle, double break visible knife blades, quick make/break operation, 100% load break rated.

Short Circuit Rating: 100KA RMS with class R, J, or T upstream, otherwise 10KA.



Dimensions

