



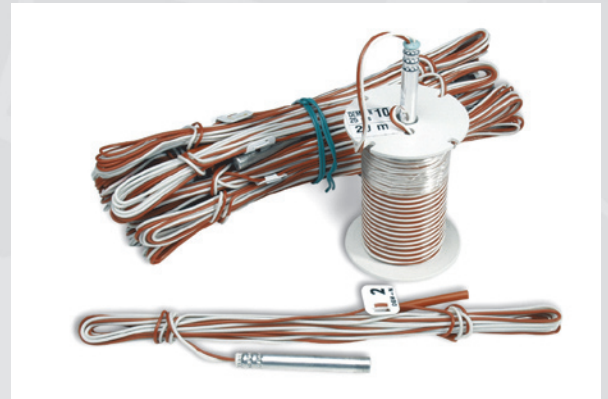
ROCKSTAR I 0 | ROCKSTAR I 25/50

Sensitive Instantaneous and Millisecond Delay Electric Detonator

Electric

DESCRIPTION

Electric millisecond detonators **ROCKSTAR I 0** and **ROCKSTAR I 25/50** are designed to provide the precise control necessary to produce accurate and consistent blasting results in a variety of blasting applications in the mining, quarrying and construction industries.



BENEFITS

- High initiation strength - 720 PETN / RDX base charge ensures reliable initiation of all cap sensitive explosives.
- Industries strongest aluminum shell reduces the possibility of water hammer effect.
- Antistatic PVC insulation for added protection from extraneous currents.
- Wide selection of delay intervals provide greater flexibility in blast design.
- Protected primary explosive charge.

PROPERTIES

Delay Sequence

Delay #	0	1	2	3	4	5	6	7	8	9	10
MS Nominal Delay	0	25	50	75	100	125	150	175	200	225	250
Delay #	11	12	13	14	15	16	17	18	19	20	21
MS Nominal Delay	275	300	325	350	375	400	425	450	475	500	550
Delay #	22	23	24	25	26	27	28	29	30		
MS Nominal Delay	600	650	700	750	800	850	900	950	1000		

Resistances R_{max} (Ω)*

Wire core length (m)	2,0	2,5	3,0	3,5	4,0	5,0	6,0	9,0	12,0	15,0	20,0	25,0	30,0
Cu 0,5	2,3	2,4	2,5	2,6	2,7	2,9	3,1	3,6	4,2	4,8	5,7	6,7	7,7
Cu 0,6	2,2	2,2	2,3	2,4	2,4	2,6	2,7	3,1	3,5	3,9	4,6	5,3	5,9
Fe 0,65	3,4	3,8	4,1	4,5	4,8	5,5	6,2	8,5	10,6	12,8	16,3	20,1	23,6

* Maximum values are stated. Values are including the fusehead resistance of 1,9 Ω

STANDARD TECHNICAL DESCRIPTION

Name	ROCKSTAR I 0, ROCKSTAR I 25/50	
Detonator shell material	Aluminum, Copper	
Delay interval	0 ms, 25 ms, 50 ms	
Number of delay intervals	31	
Secondary charge	720 mg PETN or RDX	
Primary charge	dextrinated lead azide	
Producer's mark (shell bottom)	V and delay number	
Crimping	triple crimp	
Plug	antistatic PVC	
Standard leg wires	Cu Ø 0,5 or 0,6 mm; Fe Ø 0,65 mm; (Cu Ø 0,8 mm on special request)	
Leg wires insulation material	PVC (PE or magnetic PVC on special request)	
Delay tag marking	detonator type (short title), delay #	
Electrostatic resistivity (for detonator with leg wires 3,5 m Fe Ø 0,65 mm)	bridge wire	12 kV/300 pF
	2 leg wires / detonator shell	15 kV/300 pF
Bridge Wire Resistance	1,7±0,2 Ω	
No-Fire Current (NFC)	0,18 A	
All-Fire Current - serial connection (AFC)	≥1 A	
No-Fire Impulse (NFI)	0,8 mJ/Ω	
All-Fire Impulse - serial connection (AFI)	3,0 mJ/Ω	
Water pressure resistivity	0,3 Mpa/24 hours	
Temperature range for application	-30 °C < T < +60 °C	
Shelf live (storage conditions)	2 years (-30 °C to +40 °C)	
Transport Classification	1.4B	1.4S
UN No.	0255	0456
Official authority & alternative names	CE mark	Name
	CE 0589.EXP. 1225/05	Rockstar I 0
	CE 0589.EXP. 1226/05	Rockstar I 25/50
	CE 0589.EXP. 5454/03	O-N
	CE 0589.EXP. 5451/03	DEM-N

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