



Standard Technical Description

Insensitive Quartersecond Delay Electric Detonator

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| Name | TIMESTAR II 250 ms | |
| Type | DED-S | |
| Detonator shell material | Aluminum, Copper | |
| Delay interval | 250 ms | |
| Number of delay intervals | 1-16, 18, 20, 22, 24 (**) | |
| Secondary charge | 720 mg PETN | |
| Primary charge | dextrinated lead azide (*) | |
| Producer's mark (shell bottom) | V | |
| Crimping | triple crimp | |
| Plug | antistatic PVC | |
| Leg wires material | Copper or Iron | |
| Leg wires diameter | 0,5 or 0,6 mm | |
| Leg wires insulation material | PVC | |
| Leg wires length | at customer's request, looped or spooled | |
| Delay tag marking | detonator type (short title), delay # | |
| Electrostatic resistivity (for detonator with leg wires 3,5 m) | bridge wire and 1 leg wire/det. shell | 5 kV/2000 pF (Cu Ø 0,5; Ø 0,6 mm) |
| | | 10 kV/2000 pF (Fe Ø 0,6 mm) |
| | 2 leading wires/det. shell | 9 kV (Cu Ø 0,5); 8 kV (Cu Ø 0,6)/2000 pF |
| | | 15 kV/2500 pF (Fe Ø 0,6 mm) |
| Bridge Wire Resistance | 0,52-0,60 Ω | |
| No-Fire Current (NFC) | 0,45 A/5 min | |
| All-Fire Current - serial connection (AFC) | ≥2,12 A/4 ms | |
| No-Fire Impuls (NFI) | 8 mJ/Ω | |
| All-Fire Impuls - serial connection (AFI) | 18 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 (0 °C to 40 °C) | |
| Hazard division | 1.4 | 1.4 |
| Compatibility group | B | S |
| Transport Classification | 1.4B | 1.4S |
| UN No. | 0255 | 0456 |
| Official authority # | CZ (granted by VVUU) | 214-066/V/2003 |
| | CE mark (gr. by BAM) | CE 0589, EXP. 2337/99 |
| Alternative product name - identification | DED-U; Z/AI/250/EPZ-U | |

(*) protected primary explosive charge (**) additional delay numbers #18 (4500 ms), #20 (5000 ms), #22 (5500 ms), #24 (6000 ms)

