

Pulse Generator type LDG

The Load Dump Generator (LDG) generates the pulses #5 according to ISO 7637-2.

These pulses may occur in the event of a discharged battery being disconnected while the alternator is generating charging current and with other loads remaining on the alternator circuit at this moment.

The relating standards:

ISO 7637-2

Test pulse 5

Test pulse 7



TECHNICAL DATA

| Type | LDG 35/I | LDG 100/I | LDG 200/I |
|--|---|-----------|-----------|
| Application: | Generation the pulses 5 according to ISO 7637-2 | | |
| Idle output voltage: | 40V ... 200V | | |
| Pulse width: | 40ms / 50ms / 60ms / 75ms ... 400ms (resolution 25ms) | | |
| Pulse rise time: | 5 ... 10ms | | |
| Pulse accuracy: (calibration cycle: 1 year) | Corresponding to ISO 7637-2:2004 (calibrated at battery voltage U_B / $U_A = 0V$) | | |
| Polarity: | Positive | | |
| Max. energy: | 2250W _p | | |
| Repetition rate: | max. 40s | | |
| Source resistor: | 0.5Ω ... 12.5Ω (resolution 0.1Ω) | | |
| Battery supply: | | | |
| Max. voltage: | 60V | 60V | 60V |
| Cont. current : | 35A | 100A | 200A |
| Interfaces (optional): | IEEE488 / RS232 | | |
| Power supply: | 230V/400V (+10% -10%, 50Hz ... 60Hz) | | |
| Protection: / Contactor type: | 6.3A / CEE-plug | | |
| Ambient temperature: | 0°C ... +40°C | | |
| Housing: | 19"-plug-in unit (6U), colour light grey (RAL 7035) | | |
| Dimensions: | approx. H=267mm; W=483mm; D=600mm | | |
| Weight: | approx. 60kg | | |
| Options: Pulse #7 | Special mains supply voltage | | |