DOCUMENT CHANGE REQUEST

DCR number 1769	Changes required for: General	Originator: Daniela Kramer
Date: 2026/01/28	Date sent: 2025/09/30	Organisation: Schurter
Status: IMPLEMENTED		

Title:	Generic Specification for Fuses		
Number:	4008	Issue:	6

Other documents affected:

Page:

18

Paragraph:

8.11

Original wording:

• Peak acceleration: 1600 g.
• Duration of pulse: 0.5 ms.
• Number of shocks: 12 (2 shocks in each direction along the 3 perpendicular axes of the test specimen).

Proposed wording:

• Peak acceleration: 100 g.
• Duration of pulse: 6 ms.
• Number of shocks: 18 (3 shocks in each direction along the 3 perpendicular axes of the test specimen).

Justification:

Change: Shock test from 1600 g 100 g (half-sine, 6 ms).
Why:
Unrealistic & hard to run: 1600 g is difficult to test (fixturing, pulse shaping, lab availability) and doesn’t reflect actual system shocks.
Out of step with peers: No other electrical component carries a 1600 g spec; industry practice is ~50–150 g.
Proposed requirement:
100 g, half-sine, 6 ms; 3 axes; 3 shocks/direction (total 18).
Request: Approve change to 100 g component-level shock test.

Attachments:
N/A
Modifications:
N/A
Approval signature:

Date signed:
2026-01-28