



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

Miniature fuses

IEC 60127-1 : First edition (1988)+A1:1999+A2:2002

Definitions for miniature fuses and general requirements for miniature fuse-links

R=Required by Lab

S=May be subcontracted

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
4	General requirements	none	-
5	Standard ratings	none	-
6	Marking	Cloth soaked with water and cloth soaked in petroleum spirit.	R
7	General notes on test	none	-
8	Dimensions and construction	Details are given in subsequent parts.	-
9	Electrical requirements		
9.1	Voltage drop	DC-current supply with $\pm 1\%$ accuracy. Ampere meter and a voltmeter for DC with an accuracy of $\pm 1\%$.	R

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
9.2	Time/current characteristic	Constant DC-current supply with an accuracy of $\pm 1\%$ and a voltage not exceeding the rated voltage. Time measurement equipment with accuracy of $\pm 5\%$ below 10 s and $\pm 2\%$ over 10 s. Heating oven and a DC-current supply with an accuracy of $\pm 2,5\%$.	R
9.3	Breaking capacity	Details are given in subsequent parts.	-
9.4	Endurance test	Cyclic test equipment for DC-current with an accuracy of $\pm 1\%$, 1h on 15 minutes off, 100 times. Ampere meter and a voltmeter for DC with an accuracy of $\pm 1\%$.	R
9.5	Maximum sustained dissipation	None	-
9.6	Pulse test	See subsequent parts.	-
9.7	Fuse-link temperature	DC-current supply. Ampere meter and a recording temperature meter.	R
Annex A	Colour coding for miniature fuse-links	none	-
Annex B	Example for presentation of the time/current characteristic	none	-
Annex C	(Informative) Audit testing and surveillance	none	-

Note: The presence of equipment alone does not indicate a satisfactory situation. Assessors must evaluate the equipment design, calibration, uncertainty and documentation to ensure compliance with the directions of the standard. The requirements of ISO Guide 25 regarding validation are applicable, as the tests of this standard are not standardised tests.