

ISO 10924-1:2016-04 (E)

Road vehicles - Circuit breakers - Part 1: Definitions and general test requirements

Contents	Page
Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Marking, labelling and colour coding	5
5 Tests and requirements	5
5.1 General	5
5.1.1 General test conditions	5
5.1.2 General performance requirements	6
5.2 Voltage drop	6
5.2.1 Purpose	6
5.2.2 Test	6
5.2.3 Requirement	6
5.3 Maximum housing temperature	6
5.3.1 Purpose	6
5.3.2 Test	6
5.3.3 Requirement	6
5.4 Environmental conditions	7
5.4.1 Purpose	7
5.4.2 Mechanical loads	7
5.4.3 Climatic loads	7
5.4.4 Chemical loads	7
5.5 Operating time rating	7
5.5.1 Purpose	7
5.5.2 Test	8
5.5.3 Requirement	8
5.6 Current steps	8
5.6.1 Purpose	8
5.6.2 Test	8
5.6.3 Requirement	8
5.7 No current trip and reset temperature	8
5.7.1 Purpose	8
5.7.2 Test	8
5.7.3 Requirement	9
5.8 Absolute breaking capacity	9
5.8.1 Purpose	9
5.8.2 Test	9
5.8.3 Requirement	9
5.9 Breaking capacity	9
5.9.1 Purpose	9
5.9.2 Test	10
5.9.3 Requirement	10
5.10 Strength of terminals	10
5.10.1 Purpose	10
5.10.2 Test	11
5.10.3 Requirement	11
5.11 Endurance	11

5.11.1	Purpose	11
5.11.2	Test	11
5.11.3	Requirement	11
5.12	Dielectric strength	12
5.12.1	Purpose	12
5.12.2	Test	12
	5.12.3 Requirement	12
	Annex A (informative) Cycling profiles	13
	Annex B (informative) Test circuit	15