ISO 10924-5:2025-04 (E)

Road vehicles - Circuit breakers - Part 5: Circuit breakers with bolt with rated voltage of 450 V

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Marking, labelling and colour coding 2

5 Tests and requirements 2

5.1 General 2

5.1.1 General test conditions 2

5.1.2 Test sequence plan 3

5.1.3 Test cable sizes 3

5.2 Voltage drop 4

5.2.1 Purpose 4

5.2.2 Tests 4

5.2.3 Requirements 4

5.3 Maximum housing temperature 5

5.4 Environmental conditions 5

5.5 Operating time-rating 5

5.5.1 Purpose 5

5.5.2 Tests 5

5.5.3 Requirements 5

5.6 Current steps 5

5.7 No current trip and reset temperature 5

5.8 Absolute breaking capacity 6

5.8.1 Purpose 6

5.8.2 Tests 6

5.8.3 Requirements 6

5.9 Breaking capacity 6

5.9.1 Purpose 6

5.9.2 Tests 6

5.9.3 Requirements 6

5.10 Strength of terminals 7

5.10.1 Purpose 7

5.10.2 Tests 7

5.10.3 Requirements 7

5.11 Endurance 7

5.11.1 Purpose 7

5.11.2 Tests 7

5.11.3 Requirements 7

5.12 Dielectric strength 7

5.12.1 Purpose 7

5.12.2 Tests 7

5.12.3 Requirement 8

5.13 Pulse test 8

5.13.1 Purpose 8

5.13.2 Test 8

5.13.3 Requirement 8

6 Dimensions and designation example (Figure 2 and Table 8) 9