ISO 21782-5:2021 (E)

Electrically propelled road vehicles — Test specification for electric propulsion components — Part 5: Operating load testing of the motor system

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Symbols and abbreviated terms

5 Tests and requirements

- 5.1 Endurance test
- 5.1.1 General
- 5.1.2 Test diagram
- 5.1.3 Test conditions
- 5.1.4 Test procedure
- 5.1.5 Test requirements
- 5.1.5.1 General
- 5.1.5.2 Energizing
- 5.1.5.3 Disassembling (option)
- 5.2 Surge voltage measurement test
- 5.2.1 General
- 5.2.2 Test diagram
- 5.2.3 Test conditions
- 5.2.4 Test procedure
- 5.2.5 Test requirements
- 5.3 Over speed test
- 5.3.1 General
- 5.3.2 Test diagram
- 5.3.3 Test conditions
- 5.3.4 Test procedure
- 5.3.5 Test requirements

6 Test report

Annex A (informative) Methods for determining the rank for over speed test

- A.1 Target rank verification method
- A.2 Rank search method

Annex B (informative) Test report

- B.1 Endurance test
- B.2 Surge voltage measurement test
- B.3 Over speed test

Page count: 13