

# ISO 10924-2:2025-04 (E)

## Road vehicles - Circuit breakers - Part 2: Guidance for users

---

### Contents

Page

Foreword.....	iv
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 General.....</b>	<b>1</b>
4.1 Overview.....	1
4.2 Circuit breaker nominal voltage.....	2
4.3 Supply voltage maximum, $U_{Smax}$ .....	2
4.4 Rated current, $I_R$ , and continuous current.....	2
<b>5 Current and conductors (cables).....</b>	<b>3</b>
<b>6 Current and contact resistance.....</b>	<b>4</b>
<b>7 Current and ambient temperature.....</b>	<b>4</b>
<b>8 Cable protection: temperature versus current characteristics.....</b>	<b>5</b>
<b>9 Selectivity.....</b>	<b>7</b>
<b>10 Replacement of circuit breakers.....</b>	<b>8</b>
<b>11 Voltage peaks during opening of circuit breakers.....</b>	<b>8</b>
<b>12 Inrush withstand characteristics of circuit breakers.....</b>	<b>8</b>
<b>13 Electromagnetic compatibility (EMC).....</b>	<b>9</b>
<b>14 Raw material.....</b>	<b>9</b>
<b>Annex A (informative) Selection procedure for circuit breakers and cables.....</b>	<b>10</b>
<b>Annex B (informative) Selection of circuit breakers.....</b>	<b>24</b>
<b>Annex C (informative) Ambient temperature influence.....</b>	<b>25</b>
<b>Bibliography.....</b>	<b>26</b>