

DIN EN 115-2:2010-12 (E)

Safety of escalators and moving walks –Part 2: Rules for the improvement of safety of existing escalators and moving walks
English translation of DIN EN 115-2:2010-12

Contents

page

| | |
|--|----|
| Foreword..... | 4 |
| Introduction | 5 |
| 1 Scope | 7 |
| 2 Normative references | 7 |
| 3 Terms and definitions | 7 |
| 4 List of significant hazards | 8 |
| 4.1 General..... | 8 |
| 4.2 Significant hazards dealt with by this standard | 8 |
| 4.3 Significant hazards not dealt with by this standard..... | 10 |
| 5 Safety requirements and/or protective measures | 11 |
| 5.1 General..... | 11 |
| 5.2 Supporting structure (truss) and enclosure | 11 |
| 5.2.1 General..... | 11 |
| 5.2.2 Fire hazard..... | 11 |
| 5.3 Steps, pallets and belt..... | 11 |
| 5.4 Drive units | 12 |
| 5.4.1 Driving machine | 12 |
| 5.4.2 Braking system | 12 |
| 5.5 Balustrade | 13 |
| 5.5.1 General..... | 13 |
| 5.5.2 Dimension of balustrades..... | 13 |
| 5.5.3 Skirting..... | 14 |
| 5.6 Handrail system | 14 |
| 5.6.1 Handrail speed monitoring | 14 |
| 5.6.2 Profile and position | 14 |
| 5.6.3 Handrail entry..... | 14 |
| 5.7 Landings | 14 |
| 5.8 Machinery spaces, driving stations and return stations | 15 |
| 5.9 Fire protection..... | 15 |
| 5.10 (kept free)..... | 16 |
| 5.11 Electric installations and appliances..... | 16 |
| 5.11.1 General..... | 16 |
| 5.11.2 Main switches..... | 16 |
| 5.11.3 Protection against electrostatic loading | 17 |
| 5.12 Protection against electric faults - controls..... | 17 |
| 5.12.1 Stopping | 17 |
| 5.12.2 Inspection control..... | 17 |
| 5.13 Building interfaces..... | 18 |
| 5.13.1 Free space for users..... | 18 |
| 5.13.2 Machinery spaces outside the truss..... | 19 |
| 5.13.3 Electric power supply..... | 19 |
| 5.14 Safety signs for the user..... | 19 |
| 5.15 Use of shopping trolleys and baggage carts | 20 |
| 5.15.1 Escalator | 20 |
| 5.15.2 Moving walk..... | 20 |
| 6 Verification of improvement measures | 20 |
| 7 Information for use | 20 |

| | |
|--|-----------|
| Annex A (informative) Method for national implementation of EN 115-2 | 21 |
| A.1 General | 21 |
| A.2 Identification of hazardous situations | 21 |
| A.3 Evaluation of hazardous situations | 21 |
| A.4 Classification of priority levels | 24 |
| Annex B (informative) Safety check list for existing escalators and moving walks | 25 |
| Bibliography | 31 |