

DIN EN 14752:2006-03 (E)

Railway applications - Bodyside entrance systems

Contents		Page
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Constructional requirements	8
4.1	Doorway design	8
4.2	Mechanical strength	13
4.3	Local door control devices	15
4.4	Labels/warning signs	18
4.5	Interfaces with the vehicle	18
4.6	Other requirements	18
4.7	Electronic equipment	19
4.8	Reliability, availability, maintainability, safety (RAMS)	19
4.9	Protection against hazards	19
4.10	Environmental conditions	19
5	Operational requirements	20
5.1	Door control	20
5.2	Closing conditions	22
5.3	Opening conditions	27
5.4	Step obstacle detection	27
5.5	Emergency operation	27
5.6	Interfaces	31
6	Categories of tests	32
6.1	General	32
6.2	Type tests	32
6.3	Routine tests	33
6.4	Functional test on the fully assembled vehicle	33
7	Documentation	33
Annex A (informative)	Door buttons	34
A.1	Purpose	34
A.2	Examples of door buttons	34
A.3	Labels on or near door buttons	35
A.4	Recommended emergency egress device	36
A.5	Sample of labels	36
Annex B (normative)	Water test procedure	37
B.1	Purpose	37
B.2	Test arrangement	37
B.3	Test decision	37
Annex C (normative)	Specification and testing of the air tightness of door systems	39

C.1	Purpose	39
C.2	Calculation - Flowchart	39
C.3	Air tightness requirements specification form	40
C.4	Air tightness testing	40
Annex D (normative) Guidelines for measuring the closing forces of power-operated doors		44
D.1	General	44
D.2	Terms and definitions	44
D.3	Measurements	45
D.4	Measuring device	46
Annex E (normative) Test plan		48
Annex F (normative) Load requirements for door systems due to aerodynamic loads on passenger trains		50
Annex G (informative) Clauses in this European Standard requiring clarification in the contract		51
Annex H (normative) RIC-KEY		53
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 96/48		54