

DIN EN 13120:2014-09 (E)

Internal blinds - Performance requirements including safety (includes Amendment A1:2014)

Contents		Page
Foreword		4
Introduction		5
1	Scope	7
2	Normative references	7
3	Terms and definitions	8
4	Operating effort	10
4.1	General	10
4.2	Determination	10
4.3	Performance requirement	10
5	Design of the operating mechanism - Diagrams HPV ("human pull value")	11
5.1	General	11
5.2	Performance requirement	11
6	Misuse	13
6.1	Curtain and slats	13
6.2	Determination	15
6.3	Performance requirement	15
7	Mechanical endurance (repeated operation cycles)	15
7.1	General	15
7.2	Determination	16
7.3	Performance requirement	16
7.4	Classes of endurance	17
8	Safety in use	18
8.1	General	18
8.2	Protection from strangulation	18
8.3	Guided power operated internal blinds -- Protection from crushing	22
9	Hygiene, health and environment	23
10	Thermal resistance	23
10.1	General	23
10.2	Determination	23
10.3	Performance requirement	23
11	Total solar energy transmittance g_{tot}	23
11.1	General	23
11.2	Determination	23
11.3	Performance requirement	24
12	Appearance	24
12.1	General	24
12.2	Flexibility of slats (venetian internal blinds only)	24
12.3	Form tolerances	24

12.4	Dimensional tolerances	27
12.5	Horizontal and vertical deviation tolerances	28
13	Durability	29
13.1	General	29
13.2	Colour fastness of fabrics	29
13.3	Tensile resistance of fabrics	29
13.4	Resistance to corrosion	30
13.5	Dimensional stability	31
14	Handling and storage	31
14.1	General	31
14.2	Determination	31
14.3	Performance requirement	31
15	Information for installation, use and maintenance	32
15.1	General	32
15.2	Warning notice"	32
15.3	Accompanying documents (in particular the instruction for use)	33
16	Marking	35
16.1	All internal blinds	35
16.2	Additional requirements for power operated internal blinds	35
Annex A (informative) Definition of internal atmospheric conditions (Interior surroundings)		37
A.1	Definition of internal hygrometries	37
A.2	Indicative classification of buildings according to their hygrometry	37
Annex B (normative) List of significant "machine" hazards		39
Annex C (informative) Common safety systems for protection from strangulation		40
C.1	General	40
C.2	Tensioning systems	40
C.3	Breakaway systems	41
C.4	Pull cord(s) stop	42
C.5	Accumulation systems	43
C.6	Individual cord or ball-chain non-tangle systems	43
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC		45
Bibliography		46