ISO 13856-3:2006-10 (E)

Safety of machinery - Pressure-sensitive protective devices - Part 3 : General principles for the design and testing of pressure-sensitive bumpers, plates, wires and similar devices

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 3

4 Requirements 7
4.1 General 7
4.2 Basic requirements 8
4.3 Specific requirements for pressure-sensitive bumpers 16
4.4 Additional requirements for pressure-sensitive plates 17
4.5 Specific requirements for pressure-sensitive wires (trip wires) 17

5 Marking 18
5.1 General 18
5.2 Labels 18
5.3 Reference numbers 18

6 Information for selection and use 19
6.1 General 19
6.2 Essential data for selection of suitable device 19
6.3 Information for use 20

7 Verification 22
7.1 Verification of requirements applicable to all pressure-sensitive protective devices 7.2 Verification of requirements for pressure-sensitive bumpers only 31
7.3 Verification of requirements for pressure-sensitive plates only 32
7.4 Verification of requirements for pressure-sensitive wires 33
7.5 Other tests 33

Annex A (normative) Timing diagrams 34

Annex B (informative) Explanatory notes concerning device characteristics 38

Annex C (informative) Design notes 40

Annex D (informative) General application notes 50

Annex E (informative) Commissioning and inspection 54

Bibliography 56