ISO 24225:2022-06 (E)

Ships and marine technology - Pneumatic quick-closing control devices

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Design 2
4.1 System composition 2
4.2 Requirements 4
4.3 Materials 5
4.4 Classifications and types 5

5 Performance 6
5.1 Strength 6
5.2 Tightness 6
5.3 Operational performance 6
5.4 Air fluctuation 6
5.5 Electrical properties 6
5.5.1 Power supply fluctuation 6
5.5.2 Power supply fault 7
5.5.3 Insulation resistance 7
5.5.4 Voltage withstanding 7
5.6 Environmental adaptability 7
5.6.1 Dry heat and cold 7
5.6.2 Damp heat 7
5.6.3 Inclination and swinging 8
5.6.4 Vibration 8
5.6.5 Salt mist 8
5.6.6 IP code 8
5.7 Electromagnetic compatibility 8

6 Test and inspection 8
6.1 Strength test 8
6.2 Leakage test 8
6.3 Operational performance 9
6.4 Air supply fluctuation 9
6.5 Power supply fluctuation 9
6.6 Power supply fault 9
6.7 Insulation resistance 9
6.8 Voltage withstanding 9
6.9 Dry heat 9
6.10 Cold 9
6.11 Cyclic damp heat 9
6.12 Inclination and swinging 10
6.13 Vibration 10
6.14 Salt mist 10
6.15 IP code 10
6.16 Electromagnetic compatibility 10

7 Marking, packaging, handling and storage 10
7.1 Marking 10
7.2 Packaging 10
7.3 Handling and storage 11

Bibliography 12