DIN EN 16657:2018-08 (E)

Tanks for the transport of dangerous goods - Transport tank equipment for overfill prevention devices for static tanks (includes Amendment :2018)

Contents

Page

European foreword 3

1 Scope 5

2 Normative references 5

3 Terms, definitions and abbreviated terms 5
3.1 Terms and definitions 5
3.2 Abbreviated terms 6

4 Requirements 6
4.1 Effectiveness 6
4.2 Construction 6

5 Overfill prevention device 6
5.1 Equipment on the tank 6
5.2 Equipment on the tank vehicle 6
5.3 EMC requirements 6
5.4 Working characteristics 7
5.4.1 General 7
5.4.2 Response time 7
5.4.3 Current interface 7
5.4.4 Operating conditions 9
5.4.5 Current interface - Auxiliary contact 10
5.4.6 Binary/Digital Interface 11

6 Test 11
6.1 Type test 11
6.1.1 General 11
6.1.2 Performance tests - controller 12
6.1.3 Fail-safe test 13
6.1.4 EMC test 13
6.2 Manufacturers production test 13
6.2.1 General 13
6.2.2 Controller response 14
6.2.3 Current interface 14
6.3 Binary/Digital interface 15
6.3.1 General 15
6.3.2 Sensor and digital interface 15
6.3.3 PRD 15

7 Marking 15