

E DIN EN 3661-001:2023-06 (E)

Erscheinungsdatum: 2023-05-19

Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A - Part 001: Technical specification; English version prEN 3661-001:2023

Contents

Page

European foreword	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	4
4 Description.....	5
5 Design.....	5
5.1 Materials	5
5.1.1 Metallic materials	5
5.1.2 Insulation materials.....	5
5.2 Design.....	5
5.2.1 Insulating box.....	5
5.2.2 Free release mechanism.....	5
5.2.3 Attachment.....	5
5.2.4 Electrical connection units	5
5.2.5 Control actuator	6
5.2.6 Rating inviolability.....	6
5.2.7 Leakage lines	6
5.2.8 Protection against non-release.....	6
6 Characteristics	6
6.1 General characteristics.....	6
6.2 Ratings	7
6.3 Nominal voltage of main contacts.....	7
6.4 Signal contact performances	7
6.5 Dimensional characteristics	8
6.6 Recommended panel mounting dimensions	8
7 Tests.....	8
7.1 Mechanical tests	8
7.2 Environmental tests.....	9
7.3 Electrical tests.....	14
8 Qualification tests.....	16
8.1 Sampling.....	16
8.2 Material tests.....	19
8.3 Periodic checks for qualification maintenance	19
9 Quality assurance	19
10 Marking	19
11 Delivery conditions	19
12 Packaging.....	20
13 Storage	20

13.1	Definition	20
13.2	Storage conditions.....	20
13.3	Storage duration	20
Annex A (informative) Standard evolution form.....		21
Bibliography		22