

# E DIN EN 3774-001:2020-11 (E)

Erscheinungsdatum: 2020-09-25

**Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 001: Technical specification; English version prEN 3774-001:2020**

---

## Contents

	Page
European foreword .....	3
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions .....	4
4 Description .....	4
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 .....	5
5.2.6 Rating inviolability .....	6
5.2.7 Clearances and creepage distances .....	6
5.2.8 Protection against non-release .....	6
6 Characteristics .....	6
6.1 General characteristics .....	6
6.2 Ratings .....	6
6.3 Nominal voltage of operational circuits .....	6
6.4 Dimensional characteristics .....	6
6.5 Recommended panel mounting dimensions .....	7
7 Tests .....	7
7.1 Mechanical tests .....	7
7.2 Environmental tests .....	8
7.3 Electrical tests .....	13
8 Qualification tests .....	15
8.1 Sampling .....	15
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 .....	19
13 Storage .....	19
13.1 Definition .....	19
13.2 Storage conditions .....	19
13.3 Storage duration .....	20
Bibliography .....	21