

DIN EN 2349-316:2007-05 (D/E)

Luft- und Raumfahrt - Anforderungen und Prüfverfahren für Relais und Schaltschütze
- Teil 316: Mechanische Lebensdauer (mit reduzierter Last); Deutsche und Englische
Fassung EN 2349-316:2006

Aerospace series - Requirements and test procedures for relays and contactors -
Part 316: Mechanical life (Endurance at reduced load); German and English version
EN 2349-316:2006

| Inhalt | Seite |
|--------------------------------|-------|
| Vorwort | 3 |
| 1 Anwendungsbereich | 4 |
| 2 Normative Verweisungen | 4 |
| 3 Verfahren | 4 |
| 4 Anforderungen | 4 |

| Contents | Page |
|------------------------------|------|
| Foreword..... | 3 |
| 1 Scope | 4 |
| 2 Normative references | 4 |
| 3 Method | 4 |
| 4 Requirements | 5 |

| | | |
|-------------------|--|----|
| X.O.O | Xxxxxxxxxxxxxx xx xxx Xxxxxxxxxx..... | 53 |
| X.O.O | Xxxxxxxxxxxxxx xx Xxxxx..... | 53 |
| X.O.O | Xxxxxxxxxxxxxx xx Xxxxxxxxxxxxxx xxx Xxxxxxxxxx..... | 54 |
| X.O | Xxxxxxxxxxxxxx..... | 55 |
| X.O.O | Xxxxxxxxxxxxxx..... | 55 |
| X.O.O | Xxxxxxxxxxxxxx..... | 55 |
| X.O.O | Xxxxxxxxxxxxxx..... | 55 |
| X.O.O | Xxxxxxxxxxxxxx..... | 55 |
| | Xxxxx | |
| X.O.O | Xxxxx- xxx Xxxxxxxxxxxxxxxxxxxxxx..... | 55 |
| X.O.O | Xxxxx-Xxx-Xxxxxx xxx Xxxxxxxxxxxxx..... | 55 |
| Xxxxx X (xxxxxxx) | Xxxxxxxxxxxxxx Xxxxxxxxxxxxxx xx Xxxxxxxxxxxxxx xxx xxxxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 56 |
| X.O | Xxxxxxxxxxxxx..... | 56 |
| X.O | Xxxxxxxxxxxxx..... | 56 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, Xxx X..... | 56 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, Xxx X..... | 57 |
| X.O.O | Xxxxxxxxxxxxxx Xxxxxxxxxxxxxx xxx Xxxxxxxxxxxxxx xxx Xxxxxxxxxxxxx xxx Xxxxxxxxxxxxx xxx Xxxxxxxxxxxxx xxx Xxxxxxxxxxxxxxxxxxxxxx, Xxx X xxx X..... | 57 |
| X.O | Xxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx xx xxx Xxxxxx xxx Xxxxxxxxxxxxxxxxxxxxxx, Xxx X xxx X..... | 57 |
| X.O.O | Xxxxxxxxxxxxxx xxxx Xxxx..... | 57 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx..... | 58 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 58 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx..... | 58 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx..... | 59 |
| X.O.O | Xxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 59 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx..... | 60 |
| X.O | Xxxxxxxxxxxxx xxx Xxxxxxxxxx..... | 60 |
| Xxxxx X (xxxxxxx) | Xxxxxxxxxxxxxx Xxxxxxxxxxxxxx xxx Xxxxxxxx xxx Xxxxxxxxxxxxxx xxx Xxxxxxxxxxxxxx (XX) xxxx Xxxxxxxxxxxxxxxxxxxxxx (XXX-X)..... | 61 |
| X.O | Xxxxxxxxxxxxx..... | 61 |
| X.O | Xxxxxxxxxxxxx..... | 61 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxx..... | 61 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 63 |
| X.O.O | XX-Xxxxxxxxxx (Xxxxxxxxxxxxxx xxxxx xxxxxxxxxxxx Xxxxxxxxxxxxxx)..... | 63 |
| X.O | Xxxxxxxxxxxxxx xxx Xxxxxxxxxxxxxx xxx Xxxxxxxxxxxxx xxx Xxxxxxxxxx xxx XX xxxx XXX-X..... | 65 |
| X.O.O | Xxxxxxxxxxxxx..... | 65 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 65 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 66 |
| X.O.O | Xxxxxxxxxxxxxxxxxxxxxxxxxxxxx..... | 67 |
| X.O.O | Xxxxxxxxxxxxxx xxxx Xxxx (XXX)..... | 68 |
| X.O.O | Xxxxxxxxxxxxxxxx xxx xxxxx Xxxxxxxxxxxxxx..... | 68 |
| X.O | Xxxxxxxxxxxxxx Xxxxxxxxxxxxxxxxxxxxx..... | 69 |
| Xxxxx X (xxxxxxx) | Xxxxxxxx xxx xxxxxxxxxxxx Xxxxxxxxxxxxx..... | 70 |
| X.O | Xxxxxxxxxxxxx..... | 70 |
| X.O | Xxxxxxxxxxxx xxx Xxxxxxxxxxxxx xxx xxxxxxxxxxxx Xxxxxxxxxxxxx (X _x)..... | 70 |
| X.O | Xxxxxxxxxxxxx..... | 70 |
| X.O.O | Xxxxxxxxxxxxx..... | 70 |
| X.O.O | Xxxxxxxxxxxxx..... | 70 |
| X.O.O | Xxxxxxxxxxxx(x)..... | 70 |
| X.O | Xxxxxxxxxxxxx..... | 73 |
| X.O.O | Xxxxxxxxxxxxxxxx xxx Xxxxxxxxx xxx Xxxxxx- xxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxx xxx Xxxxxxxxxx..... | 73 |
| X.O.O | Xxxxxxxxxxxxxxxx xxx Xxxxxxxxx xxx Xxxxxxxxxxxxxxxxxxxxxxxxx..... | 75 |
| X.O | Xxxxxxxxxxxxxxxxxxxx xxx Xxxxxx..... | 76 |
| Xxxxx X (xxxxxxx) | Xxxxxxxx xxx Xxxxxxxxxxxxxxxxx..... | 77 |
| X.O | Xxxxxxxxxxxxx..... | 77 |
| X.O | Xxxxxxxxxxxx (X _x)..... | 77 |

| | | |
|---------------------|---|-------|
| X.O | Xxxxxxxxxxxxx xxx Xxxxxx | 77 |
| X.O | Xxxxxxxxxxxxx xxx Xxxxxx | 77 |
| Xxxxx X (xxxxxxx) | Xxxxxx xxx Xxxxxxxxxxxxx xxxxx Xxxx | 78 |
| X.O | Xxxxxxxxxxxxx | 78 |
| X.O | Xxxxxxxxx xxx Xxxxxxxxx xxx Xxxxxxxxxxxxx (Xχ) | 78 |
| | | Xxxxx |
| X.O | Xxxxxxxxx | 78 |
| X.O.O | Xxxxxxxxx | 78 |
| X.O.O | Xxxxxxxxx | 78 |
| X.O.O | Xxxxxxxx(x) xxx Xxxxxx xxx Xxxxxxxxxxxxx | 78 |
| X.O | Xxxxxxxxxxxxx xxx Xxxxxx | 78 |
| X.O.O | Xxxxxx xxxxx xxx xxxxx Xxxx xxx. xxx Xxxxxxxxxxxxx xxxxxxxxxxx Xxxxxx | 78 |
| X.O.O | Xxxxxxxxxxxxx xxx Xxxxxx xxx Xxxxxxxxxxxxxxxxxxxxxxxx xxx -xxxxxxxx | 80 |
| X.O | Xxxxxxxxxxxxx xxx Xxxxxx | 80 |
| Xxxxx X (xxxxxxx) | Xxxxxx xxx Xxxxxxxxx xxx Xxxxxxxxxxxxxxxxxxxxxxxxxxxx xxx xxxxxxxxxxx | |
| | Xxxxxxxxxxxxxxxxxxxxx (XXX) | 81 |
| X.O | Xxxxxxxxx | 81 |
| X.O | Xxxxxxxxx | 81 |
| X.O | Xxxxxxxxxxxxx xxx Xxxxxxxxxxxxxxxxx | 81 |
| X.O | Xxxxxx xxx Xxxxxxxxx | 81 |
| X.O | Xxxxxxxxx | 81 |
| X.O.O | Xxxxxxxxx xxx Xxxxxxxxxxxxx xxx Xxxxxxxxxxxxxxxxx | 81 |
| X.O.O | Xxxxxxxxx xxx Xxxxxxxx xxx XXX | 82 |
| X.O | Xxxxxxxxx xxx XXX | 83 |
| Xxxxx X (xxxxxxxx) | Xxxxxxxxx xxx xxx Xxxxxxxxx | 85 |
| X.O | Xxxxxxxxx | 85 |
| X.O | Xxx xxx Xxxxxxxxx | 85 |
| X.O | Xxxxxxxxxxxxx xxx xxx Xxxxxxxxx | 85 |
| X.O | Xxxxxxxxxxxxx xxx Xx-Xxxxxxxxx, Xxxxxx xxx Xxxxxxxxxxxxxxxxx | 85 |
| X.O | Xxxxxx- xxx Xxxxxxxxx | 86 |
| X.O | Xxxxxx xxx Xxxxxxxxxxxxx xxx Xxxxx | 86 |
| X.O | Xxxxxxxxx xxx Xxxxxxxxx xxx Xxxxx | 86 |
| X.O | Xxxxxxxxx xxx Xxxxxxxxx xxx Xxxxx | 87 |
| Xxxxx XX (xxxxxxxx) | Xxxxxx xxxxx Xxxxxxxxx Xxxx, xxx xxx Xxxxxxxxx xxx Xx- | |
| | Xxxxxxxxxxxxxxxxxxxxx xxx | 88 |
| XX.O | Xxxxxxxxxxxxxxxxx xxx xxxxxxx Xxxxxxxxx | 88 |
| XX.O | Xxxxxx xxx Xxxxxxxxxxxxxxxxxxxxxxxx xxx Xxxxx | 89 |
| XX.O.O | Xx-Xxxxxxxxxxxxxxxxxxxxx xxx Xx-Xxxxxxxxxxxxxxxxx | 90 |
| XX.O | Xx-Xxxxxxxxx xxx Xxxxxxxxx | 91 |
| Xxxxx X (xxxxxxxx) | Xxxxxxxxx xxxxxxxxxxx Xxxxxxxxx xxxxxxx xxxxxx Xxxxxxxxx | |
| | Xxxx xxx xxx xxxxxxxxxxxxxxx Xxxxx | 95 |