

# DIN EN 17646:2022-10 (E)

## Secure storage units - Classification for high security locks according to their resistance to unauthorized opening - Distributed systems

---

| <b>Contents</b> |  | <b>Page</b> |
|-----------------|--|-------------|
|                 | European foreword .....  | 4           |
| 1               | Scope .....  | 5           |
| 2               | Normative references .....   | 5           |
| 3               | Terms and definitions .....  | 5           |
| 4               | Symbols and abbreviations .....  | 8           |
| 5               | Classification .....   | 8           |
| 6               | Requirements .....   | 8           |
| 6.1             | General .....  | 8           |
| 6.1.1           | General .....  | 8           |
| 6.1.2           | Construction .....   | 9           |
| 6.2             | System administration .....  | 10          |
| 6.2.1           | Administrative procedures .....  | 10          |
| 6.2.2           | Confirmation of remotely initiated security relevant operating procedures .....  | 10          |
| 6.2.3           | Information processing system as central operation/administration instance ..... | 11          |
| 6.2.4           | Authentication of components .....   | 11          |
| 6.2.5           | Software and firmware .....  | 11          |
| 6.2.6           | Administration interfaces .....  | 13          |
| 6.2.7           | Authentication of users .....  | 13          |
| 6.2.8           | Indication of the blocking status .....  | 14          |
| 6.2.9           | Recording events .....   | 15          |
| 6.2.10          | Data traffic in the secured state .....  | 17          |
| 6.2.11          | Detection of manipulations .....   | 17          |
| 6.2.12          | Indication of blocking times .....   | 17          |
| 6.2.13          | Resistance to spying .....   | 17          |
| 6.3             | Information security .....   | 19          |
| 6.3.1           | General protection aims .....  | 19          |
| 6.3.2           | Requirements on cryptography .....   | 19          |
| 6.3.3           | Other information security measures .....  | 22          |
| 6.4             | Security requirements .....  | 22          |
| 6.4.1           | Negative impact by power supply .....  | 22          |
| 6.4.2           | Resistance against electrical and electromagnetic influences .....               | 22          |
| 6.4.3           | Resistance against physical environmental influences .....                       | 23          |
| 6.4.4           | Temperature resistance .....   | 23          |
| 6.4.5           | Reliability .....  | 23          |
| 6.5             | Extraneous components .....  | 23          |
| 6.5.1           | Use of extraneous components .....   | 23          |
| 6.5.2           | Additional components .....  | 23          |
| 7               | Technical documentation .....  | 23          |
| 7.1             | General .....  | 23          |
| 7.2             | Required technical documentation .....   | 23          |
| 7.3             | Operating instruction .....  | 25          |
| 8               | Test samples .....   | 26          |

|            |  |           |
|------------|--|-----------|
| <b>9</b>   | <b>Marking .....</b>   | <b>26</b> |
|            | <b>Annex A (normative) Determination of burglary resistance due to design requirements .....</b> | <b>27</b> |
| <b>A.1</b> | <b>General .....</b>   | <b>27</b> |
| <b>A.2</b> | <b>Electronic HSL as a part of a distributed system .....</b>                                    | <b>27</b> |
|            | <b>Bibliography .....</b>  | <b>28</b> |