

# DESIGN EXAMINATION CERTIFICATE

According to Lifts Regulations 2016, Schedule 18, Clause 3.3

<b>Certificate No.:</b>	UK-DL 528
<b>Approved Body:</b>	TUV SUD B A B T UNLIMITED Octagon House Concorde Way, Segensworth North Fareham, Hampshire, PO15 5RL, UK Identification No. 0168
<b>Certificate Holder:</b>	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal - Germany
<b>Manufacturer / Installer (for lifts):</b>	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal - Germany
<b>Product:</b>	Locking device with bolt type locking element and means used to prove the position of a locking elements with positive operation in water protected design for direct locking action of single-winged hinged landing doors.
<b>Type:</b>	AV 20
<b>Regulation:</b>	Lifts Regulations 2016
<b>Deviation:</b>	EN 81-20:2020 EN 81-50:2020
<b>Test report:</b>	UK-DL K.A. Schmersal dated 2022-07-04
<b>Outcome:</b>	The product conforms to the essential health and safety requirements of the mentioned Regulation if the requirements of the annex to this design examination certificate are kept.
<b>Date of Issue:</b>	2022-07-29

  
 Bernd Gründling  
 TUV SUD B A B T UNLIMITED



## **1 Scope of application**

1.1 Locking device with bolt type locking element and means used to prove the position of a locking element with positive operation in water protected design for direct locking action of single-winged hinged landing doors

Type AV 20

1.2 Nominal values of the electrical safety devices (lock contact):

AC: 230 V / 2 A

DC: 200 V / 2 A

## **2 Conditions**

2.1 For identification and information about the principal construction and operation and delimitation of the tested and approved type examined approved sample the operating manual, titled "Operating instructions – Door locking devices", page 4 to 7 with certification stamp of 2022-06-03 has to be enclosed to the type examination certificate and its annex.

2.2 The operating manual, titled "Operating instructions – Door locking devices", page 4 to 7 as well as the written notes and dimension details given in the mentioned operating manual has to be observed

2.3 The locking device has to engage overall at least 16 mm (or at least 13 mm at the moment of connection of the electric safety device of the locking device) into or behind the part which is to be locked in order to guarantee the positive operation of the means used to prove the position of the locking element.

2.4 Deviations of the locking device from the operating manual like

- type of design,
- mounting position,
- actuating device or
- additional control switches

are not allowed.

2.5 The electric safety devices for supervision of the closing position of the landing door (door switch) have not been judged in regard to their position and design in this type examination of the locking device.

2.6 The locking device may be used for landing doors other than those specified in section 1.1 of this annex if there is a separate type examination for this use and for any additional parts that are involved in locking the landing doors and monitoring them according to Lifts Regulations 2016 is available.

2.7 The type examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturer of the serial production). The enclosure will be updated immediately after any change by the certification holder.

## **3 Remarks**

3.1 This type examination certificate has been issued on basis of the following standards:

- EN 81-20:2020, clause 5.3.9.1
- EN 81-50:2020, clause 5.2

A revision of this type examination certificate is inevitable in case of changes or additions of the above-mentioned standards or changes of state of the art.

3.2 At the locking device there shall be a label with the information necessary for the component's identification with the name of the manufacturer, type examination sign and details of type.

**Enclosure to the Type Examination Certificate  
No. UK-DL 528 of 2022-07-29**



**Authorised Manufacturer of Serial Production – Production Sites (valid from: 2022-05-04):**

<b>Company</b>	K.A. Schmersal GmbH & Co. KG
<b>Address</b>	Möddinghofe 30 42279 Wuppertal - Germany

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