



Industrie Service

## EXPERT ASSESSMENT

<b>Certificate No.:</b>	G 112-6
<b>Testing Body:</b>	TÜV SÜD Industrie Service GmbH Department New Technologies Gottlieb-Daimler-Str. 7 70794 Filderstadt - Germany
<b>Certificate Holder:</b>	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal - Germany
<b>Manufacturer</b>	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal - Germany
<b>Product:</b>	Safety contact with positive operation for use as lock contact of landing door and car door locking devices or as door switch of lift doors
<b>Types:</b>	AZ 05 ..., AZ 06 ..., AZ 07 ...
<b>Basis of examination:</b>	- EN 81-20:2020 - EN 81-50:2020
<b>Test report:</b>	G 112-6 dated 2023-05-25
<b>Outcome:</b>	The product conforms to the requirements of the basis of examination if the requirements of the annex to this expert assessment are kept.
<b>Date of Issue:</b>	2023-08-25
<b>(optional) Valid until:</b>	2028-08-24

Mark Dietz

Technical Body LCC



**Annex to the Expert Assessment  
No. G 112-6 of 2023-08-25**



**1 Scope of application**

- 1.1 Safety contacts with positive operation, for use as lock contact of landing door-and car door locking devices or as door switch of lift doors according to EN 81-20:2020 and EN 81-50:2020.  
Type AZ05..., Type AZ06..., Type AZ07...
- 1.2 The safety contact with positive operation, type of AZ 05... is operated with one of the following contact bridges:
- Type AZ 05 B; type AZ 05 B-1684
- 1.3 The safety contacts with positive operation, type of AZ 06... and type AZ 07 are operated with one of the following contact bridges:
- Typ AZ 06-13 B/18
  - Typ AZ 06-13 B/21
  - Typ AZ 06-13 B/23
  - Typ AZ 06-B-1284
  - Typ AZ 07-14 B/18
  - Typ AZ 07 B/21
  - Typ AZ 07 B/23

**2 Conditions**

- 2.1 Electrical nominal values of the safety contacts
- |                 |                     |             |
|-----------------|---------------------|-------------|
| Type AZ 05... : | Alternating current | 230 V / 2 A |
|                 | Direct current      | 200 V / 1 A |
| Type AZ 06... : | Alternating current | 230 V / 2 A |
|                 | Direct current      | 200 V / 2 A |
| Type AZ 07... : | Alternating current | 230 V / 2 A |
|                 | Direct current      | 200 V / 2 A |
- 2.2 For identification and information about the fundamental method of construction of the safety contact the
- Instruction manual door contact no.: 103027639
- with test remark of 2023-08-25, has to be enclosed to this Confirmation about a test assessment.
- 2.3 The creepage distances of the switch of at least 4 mm and the clearances of the switch of at least 3 mm in relation to conductive or metallic components in the surroundings, must be guaranteed by the arrangement of the switch-box and the switch-bridge or by inserting additional insulating shims.
- 2.4 The adjustability of the safety-switch with positive operation, of type AZ 07..., influences the switching point of the switch. For that reason, it only may be used as door switch of lift doors and not as lock contact of lift door locking-devices.
- 2.5 In case of the flexible contacts of type AZ 05...and AZ 05 SPEZ 1697 (without front-face cover of the contact pins), for the fulfilment of the requirements concerning protection against contact, additional measures (e.g. additional covers) are necessary.
- 2.6 For insertion of the electric cables (including sheathing) into the switch boxes, the versions with grommets must be used.
- This is not applicable, if switches are located in encapsulated casings.
- 2.7 This certificate may be used until **August 2028**.

**Annex to the Expert Assessment  
No. G 112-6 of 2023-08-25**



**3 Remarks**

- 3.1 This confirmation about a test assessment was issued according to the following standards:
- EN 81-20:2020, 5.11.2.2
  - EN 81-50:2020, 5.2.2.4
- 3.2 The test results refer only to the test product and to the related certificate concerning the Confirmation about a test assessment.
- 3.3 The product shall be clearly labelled with the name of the manufacturer and the type specification, to be able to check the conformity of the examined product with the series production.
- 3.4 The Confirmation about a test assessment may be used only in connection with the pertinent Annex.
- 3.5 This Confirmation about a test assessment is based on the state of the art, which is documented through the current harmonized standards. Changes resp. extensions of these standards or a further development of the state of the art may make a revision of this report necessary.
- 3.6 This certificate does not assess the observance of the requirements with regard to “protection classes provided by enclosures according to EN 60529 (IP-Code) concerning protection against foreign matter (objects) and against water” for electric devices.
- 3.7 This certificate does not assess the fire behaviour of the safety contact and the contact bridges.
- 3.8 The list of safety components (annex III of Directive 2014/33/EU) doesn't contain safety contact. For that reason no EU type examination certificate according to annex IV part A (EU type examination for safety components) of the Directive 2014/33/EU, can be issued for that.
- 3.9 If new knowledge should occur, the test laboratory reserves the right, to give additional conditions concerning the use of the safety contact, or to modify existing conditions.
- 3.10 The certificate about an examination of conformity number can be added to the required reading technical dossier as a help for decision of the notified body.

**Enclosure of Expert Assessment  
No. G 112-6 dated 2023-08-25**



**Manufacturers serial production – production sites (stated: 2023-06-13):**

<b>Company Address</b>	<b>K.A. Schmersal GmbH &amp; Co. KG</b> Möddinghofe 30 42279 Wuppertal – Germany
<b>Company Address</b>	<b>ACE Schmersal Eletroeletrônica Industrial Ltda.</b> Av. Brasil, 815 - Jardim Esplanada CEP 18550-000 Boituva / SP – Brasil
<b>Company Address</b>	<b>Schmersal Industrial Switchgear Co. Ltd.</b> Cao Ying Road 3336, Qingpu, 201712 Shanghai - China
<b>Company Address</b>	<b>Schmersal India Private Limited</b> Plot No G 7/1 Ranjangaon MIDC Taluka Shirur District Pune 412220 - India

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