



Industrie Service

EXPERT ASSESSMENT

Certificate No.:	G 357-5
Testing Body:	TÜV SÜD Industrie Service GmbH Department New Technologies Gottlieb-Daimler-Str. 7 70794 Filderstadt - Germany
Certificate Holder:	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal - Germany
Manufacturer	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal - Germany
Product:	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
Types:	AZ 051, AZ052, AZ 053, AZ 051 K 4811, AZ 052 K 4811 und AZ 053 K 4811
Basis of examination:	- EN 81-20:2020 - EN 81-50:2020
Test report:	G 357-5 dated 2023-08-25
Outcome:	The product conforms to the requirements of the basis of examination if the requirements of the annex to this expert assessment are kept.
Date of Issue:	2023-08-25
Valid until:	2028-08-24

Mark Dietz

Technical Body LCC



Annex to the Expert Assessment No. G 357-5 of 2023-08-25



1 Scope of application

- 1.1 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 according to EN 81-20:2020 and EN 81-50:2020.
- 1.2 The safety contact of Type AZ 051, Type AZ 052, Type AZ 053, Type AZ 051 K 4811, Type AZ 052 K 4811 and Type AZ 053 K 4811 may be used with one of the following contact bridges:
 - Type AZ 05 B-1684
 - Type AZ 05 B

2 Conditions

- 2.1 Electrical nominal values of the safety contact, type AZ 051, AZ 052, AZ 053, AZ 051 K 4811, AZ 052 K 4811 and AZ 053 K 4811
 - Alternating current: 230 V / 2 A AC-15
 - Direct current: 200 V / 2 A DC-13
- 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 This Confirmation about a test assessment may be used until **August 2028**.

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 357-5 dated 2023-08-25**



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

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

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