

certificate
no. **ET 19036**
dated 03.07.2019

Translation In any case, the German original shall prevail.

Type Test Certificate

Name and address of the holder of the certificate: (customer): **K.A. Schmersal GmbH & Co. KG
Möddinghofe 30
42279 Wuppertal**

Name and address of the Manufacturer: **K.A. Schmersal GmbH & Co. KG
Möddinghofe 30
42279 Wuppertal**

Product designation: **Solenoid interlock**

Type: **AZM 161... (variants: see attachment)**

Intended purpose:

Testing based on: **DIN EN 60947-5-1** Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices **2010-04**

GS-ET 19 Principles of testing and certification for interlocking devices with solenoid guard-locking **2015-05**

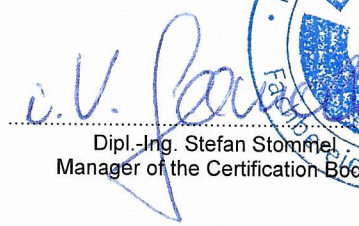
Remarks:

The type tested complies with the provisions laid down in the directive 2006/42/EC (**Machinery**).

The present certificate is valid until: **15.12.2020**

The type test certificate is not entitled to use a test mark.
Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification.

Az: NP.520.38 / 17-061-VT01 / Wld/Wi


Dipl.-Ing. Stefan Stommel
Manager of the Certification Body



Anlage zum

Baumusterzertifikat / Type Test Certificate: **ET 19036**
DGUV Test Zertifikat / DGUV Test Certificate: **ET 19037**

Bescheinigungsinhaber: K. A. Schmersal GmbH & Co. KG
Holder of Certificate Möddinghofe 30
 422797 Wuppertal

Produktbezeichnung: Sicherheitszuhaltung
Product designation Solenoid interlock

Typ / Type: AZM 161(i)...

Nachfolgend aufgeführte Produkte sind Bestandteil der Zertifikate:
The following products are listed below the certificates:

1. Typschlüssel/ Ordering code: **AZM 161** ① – ② ③ **K** ④ ⑤ – ⑥ – ⑦

Nr.	Beschreibung/ Designation	Beschreibung/ Specification
①	SK CC ST	Schraubklemmen / <i>Screw connection</i> Federkraftklemme / <i>Cage clamps</i> Stecker/ <i>male connector M12, 8- and 4-poles</i>
②	12/12 12/03 12/11 11/12	1S (NO), 2Ö (NC) / 1S (NO), 2Ö (NC) 1S (NO), 2Ö (NC) / 0S (NO), 3Ö (NC) 2S (NO), 3Ö (NC) (Steckerversion / <i>connector plug</i>) 2S (NO), 3Ö (NC) (Steckerversion) / <i>connector plug</i>
③	ohne/ without r	Rastung / <i>Latching force</i> = 5 N Rastung / <i>Latching force</i> = 30 N
④	ohne/ without a	Ruhestromprinzip (Federkraft verriegelt) / <i>Power to unlock</i> Arbeitsstromprinzip (Magnetkraft verriegelt) / <i>Power to lock</i>
⑤	ohne/ without ED EU T TD TU N	Hilfsentriegelung / <i>Manual relaease lateral</i> Hilfsentriegelung deckelseitig <i>cover side</i> Hilfsentriegelung rückseitig <i>rear side</i> Fluchtentriegelung / <i>lateral Emergency exit</i> Fluchtentriegelung deckelseitig / <i>Emergency exit cover side</i> Fluchtentriegelung rückseitig / <i>Emergency exit rear side</i> Notentsperrung / <i>Emergency release</i>
⑥	024 110/230	U _s = 24 V AC/DC U _s = 110 / 230 V AC
⑦	ohne/ without G	ohne LED / <i>without LED</i> mit LED / <i>without LED</i>

2. Typschlüssel/ Ordering code: **AZM 161** ① – ② ③ i ④ ⑤ – ⑥ – ⑦

Nr.	Beschreibung/ Designation	Beschreibung/ Specification
①	SK CC	Schraubklemmen / <i>Screw connection</i> Federkraftklemme / <i>Cage clamps</i>
②	12/12 12/03	1S (NO), 2Ö (NC) / 1S (NO), 2Ö (NC) 1S (NO), 2Ö (NC) / 0S (NO), 3Ö (NC)
③	ohne/ without r	Rastung / <i>Latching force</i> = 5 N Rastung / <i>Latching force</i> = 30 N
	i	Kodierung
④	ohne/ without a	Ruhestromprinzip (Federkraft verriegelt) / <i>Power to unlock</i> Arbeitsstromprinzip (Magnetkraft verriegelt) / <i>Power to lock</i>
⑤	ohne/ without ED EU T TD TU N	Hilfsentriegelung / <i>Manual release lateral</i> Hilfsentriegelung deckelseitig cover side Hilfsentriegelung rückseitig rear side Fluchtentriegelung / <i>lateral Emergency exit</i> Fluchtentriegelung deckelseitig / <i>Emergency exit cover side</i> Fluchtentriegelung rückseitig / <i>Emergency exit rear side</i> Notentsperrung / <i>Emergency release</i>
⑥	024	U _s = 24 V AC/DC
⑦	B1 B6R B6L	Gerader Betätiger B1 / <i>straight actuator B1</i> Beweglicher Betätiger B6 (rechts) / <i>flexible actuator B6 (right)</i> Beweglicher Betätiger B6 (links) / <i>flexible actuator B6 (left)</i>

Köln, 08.07.2019

Az.: NP.520.38 / 17-061-VT01 / Wid/Wi

Bernd Wieland
Zertifizierer

