

UK Type-Examination Certificate



For UK Regulations SI 2008 No. 1597
The Supply of Machinery Regulations 2008

Reg.-No.: 01/205U/5467.00/22

Product tested	Safety Interlock Switch with guard locking	Certificate holder	K.A. Schmersal GmbH & Co. KG Möddinghofe 30 42279 Wuppertal Germany
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Type designation	AZM400 (Details / Versions see current „Revision List“)
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Codes and standards	EN 60947-5-3:2013 EN ISO 13849-1:2015	IEC 61508 Parts 1-7:2010 EN ISO 14119:2013
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Intended application	The safety interlock switch complies as Type 4 device acc. to EN ISO 14119 with the requirements of the relevant standards (PDDb acc. EN 60947-5-3, Cat. 4 / PL e acc. to EN ISO 13849-1, SIL 3 acc. to IEC 61508) and can be used in guard position monitoring as well as guard locking applications up to Cat. 4 / PL e and SIL 3. The product can be used in the application area of EN 60204-1:2018.
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Specific requirements	The instructions of the associated Installation and Operating Manual shall be considered.
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This product is in conformity with all requirements of SCHEDULE 2, PART 1 (Annex I) of SI 2008 No. 1597.

This Type-Examination certificate refers to an evaluation of the above mentioned product as stipulated in SCHEDULE 2, PART 9 (Annex IX) of SI 2008 No. 1597.

Valid until 2025-08-14

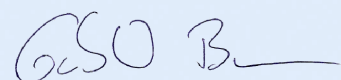
The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1167.05/22 dated 2022-08-12.

This certificate is valid only for products which are identical with the product tested.

Köln, 2022-09-05

TUV Rheinland UK Ltd.

Approved Body for Machinery, No. 2571


Dipl.-Ing. Gebhard Bouwer

Type designation	Description / System	Firmware Revision					Report-No.	Certification status
AZM400Z	Sicherheitszuhaltung AZM400Z Solenoid interlock AZM400Z Software über alle Gerätevarianten						968/FSP 1167.02/17 968/FSP 1167.03/20 968/FSP 1167.04/21 968/FSP 1167.04.01/22 968/FSP 1167.05/22	Valid
		Leiterplatten Nr.	Baugruppe	Schaltplan - Version	LP- Version	SW- Version		
		51508-9 (RFID)	AZM400 RFID	H2	K	Mikrocontroller-A V1.0.x		
		51508-8 (Motor)	AZM400 Motor	L1	K	Mikrocontroller-B V1.0.x		
		51508-10 V001 (ST)	AZM400 Stecker (ST)	H1	H	Mikrocontroller-C V1.0.x		
		51508-10 V002 (ST2)	AZM400 Stecker (ST2)	H1	H			
		51508-25 (AMR)	AZM400 AMR	I	L			
		51508-26 (Spule)	AZM400 Spule	C	C			
*1)								

*1): Die 3. Stelle enthält interne nicht sicherheitsrelevante SW Versionen und ist daher mit x ausgespart.
The 3. digit of the sw versioning is correlated with internal non safety related sw versions and therefor marked with x.

AZM400Z-	[1]-	[2]-	[3]-	[4]-	[5]-	[6]-	xxxx
AZM400Z							Sicherheitszuhaltung AZM400Z, Grundgerät
[1]	ST		1	Einbaustecker M12, 8-polig			Basic Solenoid interlock, AZM400Z
	ST2		2	Einbaustecker M12, 8-polig / 5-polig			1 Built-in connector M12, 8-pin
[2]	Kodierung						2 Built-in connector M12, 8-pin / 5-pin
	- (leer/blank)			Standardcodierung			Coding
	I1			Individuelle Codierung			Standard coding
	I2			Individuelle Codierung, wiederanlernbar			Individual coding
[3]	Ausgänge / Eingänge						Individual coding, re-teaching enabled
	1P2P			1 Diagnoseausgang und 2 Sicherheitsausgänge, alle p-schaltend (nur in Verbindung mit ST)			Output / Input
	SP2P			2 Diagnoseausgänge und 2 Sicherheitsausgänge, alle p-schaltend (nur in Verbindung mit ST2)			1 diagnostic output, 2 safety outputs, p-type (only in combination with ST)
[4]	Mechanische Entriegelung						2 diagnostic outputs, 2 safety outputs, p-type (only in combination with ST2)
	- (leer/blank)			Hilfsentriegelung			Unlocking
	T			Fluchtentriegelung			Auxiliary unlocking
	BOW			Mit Befestigungsbohrungen für Bowdenzug- Montage ohne elektronische Hilfsentriegelung			Emergency unlocking
[5]	Elektronische Entriegelung						With mounting holes for Bowden cable- mounting without electronic release
	- (leer/blank)			Ohne elektronische Hilfsentriegelung (nur in Verbindung mit ST)			Unlocking
	E			Mit elektronischer Hilfsentriegelung (nur in Verbindung mit ST2)			Without electronic emergency release (only in combination with ST)
[6]	DU			Kundenspezifische Ausführung			With electronic emergency release (only in combination with ST2)
							Customised Version

xxxx	Sondervarianten	Special version
	- (leer/blank) Ohne Sonderfunktion	Without special function
Betätiger	AZM400	Actuator for AZM400
	AZM400-B1 für AZM400	For AZM400
[Zubehör]	Nachrüstsatz	Accessories kit
	ACC-AZM400-BOW-4M-6M / Bowdenzugentriegelung	Bowden cable release
	ACC-AZM400-BOW-6M-8M / Bowdenzugentriegelung	Bowden cable release
	SZ400 / Sperrzange	Lockout tag

Die Ausführungen AZM400Z-...-BOW dürfen nur in Verbindung mit der als Zubehör erhältlichen Bowdenzugentriegelung ACC-AZM400-BOW-.M-.M eingesetzt werden. Ein Einsatz ohne montierte Bowdenzugentriegelung ist nicht zulässig. Die zusätzlichen Hinweise der Betriebsanleitung für die Bowdenzugentriegelung sind zu beachten.

The Versions AZM400Z-...-BOW may only be used in connection with Bowden cable release ACC-AZM400-BOW-.M-.M, which is available as an accessory. Use without the Bowden cable release fitted is not permissible. Observe the additional information in the operating instructions of the Bowden cable release.

Die Aufstellung der Revisionsliste ist in Absprache mit dem Hersteller erfolgt.
This Revision List has been agreed between the manufacturer and the Test Institute.

Revision:

Datum	Rev.	Beschreibung / Änderungen	Autor
18.08.2015	1	Initial creation, based on Report-No.: 968/FSP 1167.00/15	pa/A-FS
14.12.2015	2	Software modification based on Report-No.: 968/FSP 1167.01/15	pa/A-FS
25.07.2017	3	Addition of Variant "BOW"	pa/A-FS
14.08.2020	4	Upgrade Certificate	pa/A-FS
23.04.2021	5	Replacement of components	pa/A-FS
18.03.2022	6	Adding Customised Version	Nm/A-FS
12.08.2022	7	Issuing a UKCA Certificated based on Report 968/FSP 1167.05/22 – no product changes	FHe/A-FS&CS