



Product Service

EC-Type Examination Certificate

No. M6A 104504 0001 Rev. 02

Holder of Certificate: Roboteq, Inc.
7812 E. Acoma Dr. Suite 1
Scottsdale AZ 85260
USA

Product: Safety components
Model(s): Safety function STO as part of the
Roboteq motor controllers

Parameters:

Safety Function:	STO (EN 61800-5-2)
PL e, Cat 3	EN ISO 13849-1:2023
SIL 3	EN 61508-1:2010 EN 61508-2:2010 EN 61508-4:2010 EN 61800-5-2:2017

This EC Type Examination Certificate is issued according to Article 12(3) b or 12(4) a of Council Directive 2006/42/EC relating to machinery. It confirms that the listed Annex-IV equipment complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: RS93960C

Valid until: 2029-09-25
Date, 2024-09-27

(Matthias Ramold)



Choose certainty.
Add value.

Annex 1 of the Report to the Certificate M6A 104504 0001 Rev. 02 Safety function STO as part of the Roboteq motor controllers

Manufacturer:

**Roboteq, Inc.
7812 E. Acoma Dr., Suite 1
Scottsdale AZ 85260
USA**

**Report No.: RS93960C
Revision 1.7 of the annex, dated 2025-04-09**

Testing Body:

**TÜV SÜD Rail GmbH
Barthstraße 16
D-80339 München**

Certification Body:

**TÜV Süd Product Service GmbH
Ridlerstraße 65
D-80339 München**

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Revision Log

Revision	Name	Date	Changes/History
1.0	K. Leupold	2019-05-14	Initial
1.1	K. Leupold	2019-12-16	New FW for support of brushed DC motors
1.2	K. Leupold	2020-03-18	New variants Sxx(M)
1.3	K. Leupold	2020-03-18	Correction of HW version
1.4	K. Leupold	2022-09-07	New variants GBLG2260T, GIMG2260T, GDCG3660T HW Modifications
1.5	K. Leupold	2023-03-09	New variants FBLG2360T, SBLG2360T, SBLMG2360T New HW rev. for GxxG2660T RS100342T
1.6	K. Leupold	2024-09-26	New HW rev. for SBLMG, SBLG, FBLG, GBLG New DC brushed and AC Induction versions RS103704T
1.7	K. Leupold	2025-04-09	Introduction of BOM, new Ethernet variants RS104743T



1 Safety-Certified Components

The following variants are covered by Certificate no. M6A 104504 0001

Rev. 02 and the report to the certificate, report no. RS93960C.

The following system components are certified 'safety-related'. This allows the components to be used to process safety critical signals and functions.

2 Software

2.1 STO Diagnostic Module

Filename	Safety-Firmware-Version
sto.c	1.1
sto.h	1.1

3 Hardware

3.1 Motor controllers

Description	Model Name	H/W Version	BOM-Version
Brushless DC	FBL2360T (E) (S)	2.5c 2.5d 2.5e	Rev. A
AC Induction	FIM2360T (E) (S)		
Brushed DC	FDC3260T (E)		
Sensorless	FSM3260TS		
Brushless DC	SBL2360T(S), SBLM2360T(S)	1.1b 1.1c	Rev. A
AC Induction	SIM2360T(S), SIMM2360T(S)		
Brushed DC	SDC3260T, SDCM3260T		
Sensorless	SSM2360TS, SSMM2360TS		



Brushless DC	GBLG2660T (E) (S)	1.3	Rev. A
AC Induction	GIMG2660T (E) (S)	1.4	
Brushed DC	GDCG3660T (E)	1.5	
		2.0	
Brushless DC	FBLG2360T (E)(P)(I)(C)(S)	1.3, 2.1	Rev. A
AC Induction	FIMG2360T (E)(P)(I)(C)(S)		
Brushed DC	FDCG3260T (E)(P) (I) (C)		
Brushless DC	SBLG2360T(S)	2.0, 2.1	Rev. A
AC Induction	SIMG2360T (S)		
Brushed DC	SDCG3260T		
Brushless DC	SBLMG2360T(S)	2.0, 3.0, 3.1, 4.0	Rev. A
AC Induction	SIMMG2360T (S)		
Brushed DC	SDCMG3260T		

Munich, 2025-04-09

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2025.04.09
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Technical Certifier