



List for tracking of the version releases of components of the safety related automation system:
 Liste zur Verfolgung der Versionsfreigaben der Komponenten des sicheren Automatisierungssystems:

EPEC Oy: Epec S-series Safety Platform
Certificate No. Z10 003772 0003 Rev. 01, M6A 003772 0004 Rev. 01

Manufacturer / Hersteller

Testing body / Prüfstelle

EPEC Oy
Tiedekatu 6
FI-60101 Seinäjoki
Finland

TÜV SÜD Rail GmbH
Rail Automation
Barthstrasse 16
80339 München, Germany

Epec Safety Control Unit Family

Certificate No.

Z10 003772 0003 Rev. 01

M6A 003772 0004 Rev. 01

List of certified S-series Safety Platform versions:
 Liste der zertifizierten S-series Safety Platform Versionen:

Module	Test Report	Sicherheitsrelevante Strompfade ^{B)} Safety related circuits			Remarks
		SIL SILCL	Cat	PL	
SC52	ES92207C V1.2	2	3	d	
SL84	ES96074C V1.0	2 (up to)	2 (up to)	d (up to)	
GL84	ES96590C V1.0	2 (up to)	3 (up to)	d (up to)	Only in combination with an external safety system reaching minimum SIL 1, Cat 3, PL c

B) Sicherheitskennwerte / Safety characteristics

SIL	Maximal erreichbarer Safety Integrity Level entsprechend EN / IEC 61508 Maximum obtainable Safety Integrity Level according EN / IEC 61508
SIL CL:	Maximal erreichbarer Safety Integrity Level entsprechend EN / IEC 62061 Maximum obtainable Safety Integrity Level according EN / IEC 62061
Cat :	Kategorie entsprechend EN ISO 13849-1 Category according EN ISO 13849-1
PL:	Maximal erreichbarer Performance Level entsprechend EN ISO 13849-1 Maximum obtainable Performance Level according EN ISO 13849-1.



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Nomenclature of certified S-series Safety Platform versions:
Nomenklatur der zertifizierten S-series Safety Platform Versionen:

Module	HW	FW	CoDeSys runtime	Remarks
SC52	8916D00	1.0.0.34	3.5 SP 10	Boot 1.10.4.0 (not safety relevant)
	8916D01	1.2.1.33099	3.5 SP 10	
SL84	9000D05	1.0.0.38307	3.5 SP 10	Boot 1.10.4.0 (not safety relevant)
GL84	9000D02	-	-	-
	9000D03			

List of certified tool versions:
Liste der zertifizierten tool Versionen:

Name	Version	Remarks
MultiTool	5.7	not safety relevant
	6.7	SC52 support is available from version 5.7 on and later versions
	6.6	SL84 support is available from version 6.7 on and later versions GL84 support is available from version 6.6 on and later versions

List of related Manual(s):
Liste der referenzierten Handbücher:

Name	Date	Version	Remarks
SC52 Safety Control Unit Safety Manual	05.04.2018	1.0	-
	13.03.2020	3.1	
SL84 Safety Manual	09.11.2020	1.0 Rev. 5	-
GL84 Safety Manual	21.10.2020	1.0 Rev. 7	



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List of certified Libraries for SC52 FW-Version 1.0.0.34:
Liste der zertifizierten Bibliotheken für SC52 FW-Version 1.0.0.34:

Name	Version	Remarks
SafeJoystickCalibrationAndDiagnostic	1.0.1.5	-
SafeConversion	1.0.1.2	-
SafeSensorCalibration	1.0.1.2	-
DiagnosticInterface	1.0.0.1	-
SafeSSeriesHardware	1.0.5.1	-
SafeDataValidation	1.0.0.7	-
SafeCANopenSRDO	1.0.2.0	-
SafeProportionalValveControl	1.0.0.3	-
SafeSC52int	1.0.0.27	-
SafeSSeriesIoDriverExt	1.0.0.6	-

This list is based on the Technical Report ES92207T revision 1.0 dated 10.04.2018.
Diese Liste basiert auf dem Technischen Bericht ES92207T Revision 1.0 vom 10.04.2018.

List of certified Libraries for SC52 FW-Version 1.2.1.33099:
Liste der zertifizierten Bibliotheken für SC52 FW-Version 1.2.1.33099:

Name	Version	Remarks
Epec SC52 Safety Control Unit / Device Description	3.5.10.6	
Epec Platform Specific Safety LibrariesSafeSC52Int library	1.1.0.1	
SafeSSeriesIoDriverExt library	1.0.0.6	
SafeSSeriesHardware library	1.2.1.1	
Epec Platform Specific LibrariesSSeriesCanExt library	1.0.0.1	
SSeriesHardware library	1.0.0.5	
SSeriesNvRamExt library	1.0.0.4	
SSeriesSystemExt library	1.0.0.12	
Epec Common Safety LibrariesDiagnosticInterface library	1.0.0.1	
SafeCANopenSRDO library	1.1.0.0	
SafeConversion library	1.0.1.2	
SafeDataValidation library	1.0.0.7	
SafeJoystickCalibrationAndDiagnostic library	1.1.0.2	
SafeProportionalValvecontrol library	1.1.0.2	



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SafeSensorCalibration library	1.0.1.2	
SafeErrorLog	1.0.0.0	
Epec Common LibrariesCANopen protocol library	4.0.2.4	

This list is based on the Technical Report ES92207T revision 1.1 dated 29.07.2019.
Diese Liste basiert auf dem Technischen Bericht ES92207T Revision 1.1 vom 29.07.2019.

List of certified Libraries for SL84:
Liste der zertifizierten Bibliotheken für SL84:

Name	Version	Remarks
<i>SafeSL84Int</i> library	1.0.0.0	-
<i>SafeSSeriesIoDriverExt</i> library	1.0.0.7	-
<i>SafeSSeriesHardware</i> library	1.3.2.7	-
<i>SSeriesCanExt</i> library	1.0.0.1	-
<i>SSeriesHardware</i> library	1.1.3.0	-
<i>SSeriesNvRamExt</i> library	1.0.0.4	-
<i>SSeriesSystemExt</i> library	1.0.0.13	-
<i>DiagnosticInterface</i> library	1.0.0.2	-
<i>SafeCANopenSRDO</i> library	1.1.0.0	
<i>SafeConversion</i> library	1.1.0.0	
<i>SafeDataValidation</i> library	1.0.0.7	
<i>SafeJoystickCalibrationAndDiagnostic</i> library	1.1.0.2	
<i>SafeProportionalValvecontrol</i> library	1.1.0.2	
<i>SafeSensorCalibration</i> library	1.0.1.2	-
SafeErrorLog	1.0.0.0	-
CANopen protocol library	4.0.4.7	

This list is based on the Technical Report ES95886T revision 1.0 dated 10.11.2020.
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	Release by Test Body: Freigabe Prüfstelle:	Release by Certification Body: Freigabe Zertifizierstelle:	Release by Manufacturer: Freigabe Hersteller:
Date: Datum:			
Signature: Unterschrift:			