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TÜV SÜD Rail GmbH · Barthstr. 16 · 80339 München · Deutschland

SICK AG
Erwin- Sick- Strasse 1
79183 Waldkirch

Your reference/letter of	Our reference/name	Phone extension/e-mail	Fax extension	Date	Page
	gn	+49 89 5791-3233	-2933	July 25 th , 2019	1 of 2
	Guido Neumann	Guido.Neumann@tuev-sued.de			
	____ / LoC TiM 781S application standards.docx				

Re: TiM781S Laserscanner / Application standards

Dear Ladies and Gentlemen

herewith we confirm that the 2D laser scanner TiM781S fulfils the requirements of EN ISO 13849-1: 2015 regarding CAT B / PL b as well as the requirements of the following application standards.

- | | |
|------------------------|---|
| EN ISO 13482: 2014 | Robots and robotic devices – Safety requirements for personal care robots |
| DIN EN ISO 13855: 2010 | Safety of machinery – Positioning of safeguards with respect to the approach speeds of parts of the human body |
| DIN CLC/TS 62046:2009 | Safety of machinery – Application of protective equipment to detect the presence of persons |
| IEC TS 62998-1:2019 | Safety of machinery – Safety-related sensors used for protection of person |
| ANSI/ITSDF B56.5-2012 | Safety standards for driverless, automatic guided industrial vehicles and automated functions of manned industrial vehicles |

Headquarters: Munich
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Managing Directors:
Dipl.-Ing. Klaus-Michael Bosch, Dipl.-Wirtsch.-Ing. Jan Rösler
UniCredit Bank AG
Acc. No. 667566061
Bank sort code 700 202 70
IBAN: DE 067 002027 00667 566061
SWIFT: HYVEDEMM

Phone: +49 89 5791-3233
Fax: +49 89 5791-2933
www.tuev-sued.de/rail
TUV[®]

TÜV SÜD Rail GmbH
Barthstr. 16
80339 München
Deutschland



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The laser scanner TiM781S is suitable to operate in the above-mentioned applications up to CAT B / PL b. The test results are collected in the technical reports SW91627T V2.0 and SW94174T V1.0.

Kind regards

Günter Greil
(Technical Certifier)

Guido Neumann
(Project Leader)