



SIL

Functional Safety Certificate

No. 3N250320.LSEUQ12

Test Report / Technical Construction File no. JAT-25(01)221S

Certificate's Holder: Lihong Safety Engineering (Shanghai) Co.,Ltd.
No. Rooms E and F, 26th Floor, No. 828-838 Zhangyang Road, China
(Shangha) Pilot Free Trade Zone, Pudong, Shanghai

Product: Safety Gate Switch

Model(s): D3SL-T series

Standard: Has been assessed per the relevant requirements of:
EN 61508, IEC 61508:2010 Parts 1-7, EN ISO 13849-1:2023,
EN ISO 14119(Type4), IEC 60947-5-3, EN 60947-5-3

And meets requirements providing a level of integrity to:
Systematic Capability: SC 3(SIL 3 Capable)

Random Capability: Type A Element
SIL 3 @ HFT=0, SIL 3 @ HFT=1; Route 2H

*Safety function:

Safety Gate Switch is mainly used between the safety-protection elements of the machine equipment. (such as switch for safety protection door, emergency stopping switch etc) and on/off control elements (such as motor contactor, hydraulic EMV), to confirm the safety of the machine (such as whether the safety door is closed in place, etc.).

* Application Restrictions:

The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.

* Is suitable to be safety function according to the description and the configuration defined in Annex I

Verification Mark:



The Verification Mark can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way

Remark: This SIL Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Test Report is existent for the above listed product(s) and found to meet the requirements of above standards for application in safety related system up to Safety Level of **SIL 3**. The unit must be properly designed into a Safety Instrument Function as per the requirements in the Safety Manual. The Verification Mark shown above can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way. In addition the Verification's Holder is NOT allowed to transfer the Verification to third parties. This certificate can be checked for validity at www.entecerma.it

Date of issue 20 March 2025

Expiry date 19 March 2030

For online check:



Approver
Ente Certificazione Macchine
Legal Representative
Luca Bedonni



Ente Certificazione Macchine

Via Cà Bella, 243 - 40053 Valsamoggia Loc. Castello di Serravalle (Bo) Italy
☎ +39.0516705141 📠 +39.0516705156 ✉ info@entecerma.it 🌐 www.entecerma.it

