EU DECLARATION OF CONFORMITY

Manufacturer

ABB Electrification Sweden AB
SE-721 61 Västerås
Sweden

Compliance with Directive 2014/33/EU

Description of Safety Component

Product Name: Sentry Safety Relay Module
Product Series: Sentry
Serial Number: See identification label on the product

The Sentry series are electronic safety relay modules designed for use as safety components in lift systems. They form the control mechanism within a three-element safety architecture consisting of:

- A detection mechanism (e.g. RFID sensors) to monitor unintended movements
- A control mechanism – the Sentry relay
- A stop mechanism to halt the lift in case of a detected fault

The relays can be configured in a 2NO OSSD (Output Signal Switching Device) configuration and are compatible with RFID sensors for position and door monitoring.

Safety Function

Intended use cases in lift applications:

- Emergency stop functionality
- Monitoring shaft and cabin doors
- Monitoring end positions and overtravel
- Access control machine room and shaft pit

The safety circuit is cut off if any monitored door is open or an unsafe condition is detected, in accordance with EN 81-20:2020 requirements.

Year of Manufacture

See identification label / type plate on the product.

Relevant Provisions

DIRECTIVE 2014/33/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to lifts and safety components for lifts (OJ L 96, 29.3.2014, p. 251–308)

Annex IV, Part A – EU-type examination (safety components)
Annex IX – Conformity to type based on random checks

Statement of Conformity

The safety components described below are in conformity with the relevant Union harmonisation legislation, in particular Directive 2014/33/EU. The products meet all applicable essential health and safety requirements as set out in Annex I of Directive 2014/33/EU.

Harmonised Standards Applied

EN 81-20:2020
EN 81-50:2020

Notified Body – EU-Type Examination & Conformity to Type with Random Checking (Annex IV, Part A & Annex IX)	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 München, Germany Identification No. 0036 **EU-Type Examination Certificate No.**: EU-ESD 067 Covers: SSR10M, SSR10MP, SSR20M, SSR20MP, TSR20M, TSR20MP **EU-Type Examination Certificate No.**: EU-ESD 068 Covers: SSR10, SSR10P, SSR20, SSR20P, SSR32, SSR32P, SSR42, SSR42P, TSR10, TSR10P, TSR20, TSR20P, USR10, USR10P, USR22, USR22P

Compliance with Directives 2014/30/EU, 2006/42/EC & 2011/65/EU – RoHS+2015/863

Statement of Conformity	The safety components described below are in conformity with the Directives: • 2006/42/EC (OJ L 157, 9.6.2006, p. 24-86) – Machinery • 2014/30/EU (OJ L 96, 29.3.2014, p. 79-106) – EMC • 2011/65/EU (OJ L 174, 1.7.2011, p. 88-110) – RoHS+2015/863
Used harmonized standards	EN ISO 12100:2010, EN ISO 13849-1:2023, EN IEC 62061:2021, EN 60204-1:2018, EN 61000-6-2:2005/AC:2005, EN 61000-6-4:2007/A1:2011
Other used standards	EN 61508:2010, EN 60664-1:2007, IEC 61000-6-2:2016, IEC 61000-6-4:2018
Authorised to compile the technical file	ABB Electrification Sweden AB SE-721 61 Västerås Sweden
Notified Body – EC-Type Examination	TÜV Süd Product Service GmbH Ridlerstrasse 65 80339 München, Germany Notified body No. 0123 **EC-Type Examination Certificate No.**: M6A 049833 0032 Rev.01 **Products:** Safety relay Sentry, all versions of USR10, USR22, SSR10M, SSR10, SSR20M, SSR20, SSR32, SSR42, TSR10, TSR20M, TSR20, BSR10, BSR11, BSR23

Signed for and on behalf of
ABB Electrification Sweden AB

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