

CERTIFICATE OF COMPLIANCE

Certificate Number 20170518-E353291
Report Reference E353291-20170515
Issue Date 2017-MAY-18

Issued to: ABB AB JOKAB SAFETY
Varlabergsvagen 11
Kungsbacka, SWEDEN

This is to certify that representative samples of Energy and Industrial Systems Certified for Functional Safety
See Addendum Page for Models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: See Addendum Page for Standards
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

EN ISO/ISO 13849-1
EN/IEC 61508, Parts 1 - 7

Model No.	Safety Function	Safety Rating
BSR10	Safety Chain Input / Output	PL e, SIL 3
BSR11	Safety Chain Input / Output	PL e, SIL 3
BSR23	Safety Chain Input / Output	PL e, SIL 3
SSR10	Safety Chain Input / Output	PL e, SIL 3
SSR10M	Safety Chain Input / Output	PL e, SIL 3
SSR20	Safety Chain Input / Output	PL e, SIL 3
SSR20M	Safety Chain Input / Output	PL e, SIL 3
SSR32	Safety Chain Input / Output	PL e, SIL 3
SSR42	Safety Chain Input / Output	PL e, SIL 3



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Model No.	Safety Function	Safety Rating
TSR10	Safety Chain Input / Output	PL e, SIL 3
TSR20	Safety Chain Input / Output	PL e, SIL 3
TSR20M	Safety Chain Input / Output	PL e, SIL 3
USR10	Safety Chain Input / Output	PL e, SIL 3
USR22	Safety Chain Input / Output	PL e, SIL 3



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