

Certificate of Compliance

Certificate Number:

E353291

Report Reference:

E353291-20170515

Issue Date:

2024-10-16

Issued to:

**ABB Electrification Sweden AB, Motor Starting & Safety
Motorgränd 20
B.nr.415B
Vasteras 721 61 Sweden**

This certificate confirms that representative samples of:

**FUNCTIONAL SAFETY PRODUCT MARK CERTIFICATION
SCHEME**

See Addendum Page for Product Designation(s).

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

See Addendum Page for Standards

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

CERTIFICATE OF COMPLIANCE

Certificate number E353291
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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.

| Model No. | Safety Function | Safety Rating |
|-----------------|-----------------------------|---------------|
| BSR10/ BSR10P | Safety Chain Input / Output | PL e, SIL 3 |
| BSR11/ BSR11P | Safety Chain Input / Output | PL e, SIL 3 |
| BSR23/ BSR23P | Safety Chain Input / Output | PL e, SIL 3 |
| SSR10/ SSR10P | Safety Chain Input / Output | PL e, SIL 3 |
| SSR10M/ SSR10MP | Safety Chain Input / Output | PL e, SIL 3 |
| SSR20/ SSR20P | Safety Chain Input / Output | PL e, SIL 3 |
| SSR20M/ SSR20MP | Safety Chain Input / Output | PL e, SIL 3 |
| SSR32/ SSR32P | Safety Chain Input / Output | PL e, SIL 3 |
| SSR42/ SSR42P | Safety Chain Input / Output | PL e, SIL 3 |
| TSR10/ TSR10P | Safety Chain Input / Output | PL e, SIL 3 |
| TSR20/ TSR20P | Safety Chain Input / Output | PL e, SIL 3 |



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| Model No. | Safety Function | Safety Rating |
|-----------------|-----------------------------|---------------|
| TSR20M/ TSR20MP | Safety Chain Input / Output | PL e, SIL 3 |
| USR10/ USR10P | Safety Chain Input / Output | PL e, SIL 3 |
| USR22/ USR22P | Safety Chain Input / Output | PL e, SIL 3 |

Standards for Safety:

EN ISO/ISO 13849-1: 2015

EN/IEC 61508, Parts 1 - 7 : 2010



David Piecuch
UL Mark Certification Program Manager

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