## SIEMENS

## Data sheet

## 3RV2331-4BC10



Circuit breaker size S2 for starter combination Rated current 20 A N-release 260 A screw terminal Standard switching capacity



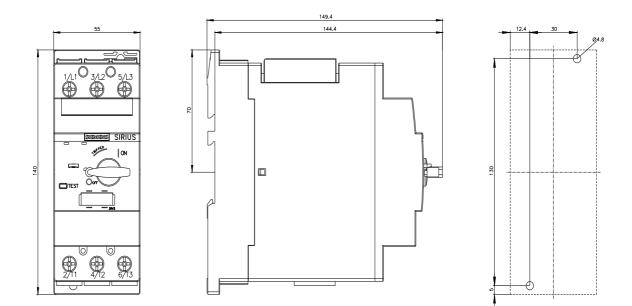
| product brand name  | SIRIUS                   |  |  |  |
|---|--------------------------|--|--|--|
| product designation   | Circuit breaker          |  |  |  |
| design of the product   | For starter combinations |  |  |  |
| product type designation  | 3RV2                     |  |  |  |
| General technical data  |                          |  |  |  |
| size of the circuit-breaker                                     | S2                       |  |  |  |
| size of contactor can be combined company-specific              | S2                       |  |  |  |
| product extension auxiliary switch                              | Yes                      |  |  |  |
| power loss [W] for rated value of the current                   |                          |  |  |  |
| <ul> <li>at AC in hot operating state</li> </ul>                | 14.5 W                   |  |  |  |
| <ul> <li>at AC in hot operating state per pole</li> </ul>       | 4.8 W                    |  |  |  |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V                    |  |  |  |
| surge voltage resistance rated value                            | 6 kV                     |  |  |  |
| shock resistance according to IEC 60068-2-27                    | 25g / 11 ms Sinus        |  |  |  |
| mechanical service life (operating cycles)                      |                          |  |  |  |
| <ul> <li>of the main contacts typical</li> </ul>                | 50 000                   |  |  |  |
| <ul> <li>of auxiliary contacts typical</li> </ul>               | 50 000                   |  |  |  |
| electrical endurance (operating cycles) typical                 | 50 000                   |  |  |  |
| reference code according to IEC 81346-2                         | Q                        |  |  |  |
| Substance Prohibitance (Date)                                   | 10/15/2014               |  |  |  |
| SVHC substance name   | Lead - 7439-92-1         |  |  |  |
| Weight  | 1.061 kg                 |  |  |  |
| Ambient conditions  |                          |  |  |  |
| installation altitude at height above sea level maximum         | 2 000 m                  |  |  |  |
| ambient temperature   |                          |  |  |  |
| during operation  | -20 +60 °C               |  |  |  |
| during storage  | -50 +80 °C               |  |  |  |
| during transport  | -50 +80 °C               |  |  |  |
| relative humidity during operation                              | 10 95 %                  |  |  |  |
| Environmental footprint   |                          |  |  |  |
| global warming potential [CO2 eq] total                         | 239.877 kg               |  |  |  |
| global warming potential [CO2 eq] during manufacturing          | 12.8 kg                  |  |  |  |
| global warming potential [CO2 eq] during sales                  | 0.477 kg                 |  |  |  |
| global warming potential [CO2 eq] during operation              | 230 kg                   |  |  |  |
| global warming potential [CO2 eq] after end of life             | -3.4 kg                  |  |  |  |
| Siemens Eco Profile (SEP)                                       | Siemens EcoTech          |  |  |  |
| Main circuit  |                          |  |  |  |

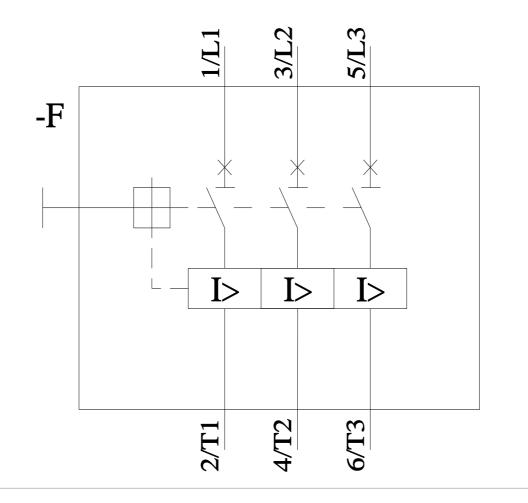
| number of poles for main current circuit   | 3   |
|--|---|
| operating voltage  |   |
| rated value  | 20 690 V  |
|  |   |
| at AC-3 rated value maximum  | 690 V   |
| at AC-3e rated value maximum   | 690 V   |
| operating frequency rated value  | 50 60 Hz  |
| operational current rated value  | 20 A  |
| operational current  |   |
| • at AC-3 at 400 V rated value   | 20 A  |
| at AC-3e at 400 V rated value  | 20 A  |
| operating power  |   |
| • at AC-3  |   |
| — at 230 V rated value   | 5.5 kW  |
| — at 400 V rated value   | 7.5 kW  |
| — at 500 V rated value   | 11 kW   |
| — at 690 V rated value   | 15 kW   |
| • at AC-3e   |   |
| — at 230 V rated value   | 5.5 kW  |
| — at 400 V rated value   | 7.5 kW  |
| — at 500 V rated value   | 11 kW   |
| — at 690 V rated value   | 15 kW   |
| operating frequency  |   |
| • at AC-3 maximum  | 15 1/h  |
| • at AC-3e maximum   | 15 1/h  |
| Auxiliary circuit  |   |
| number of NC contacts for auxiliary contacts   | 0   |
| number of NO contacts for auxiliary contacts   | 0   |
| Protective and monitoring functions  |   |
| product function   |   |
| <ul> <li>ground fault detection</li> </ul>   | No  |
| phase failure detection  | No  |
| trip class   | CLASS 10  |
| maximum short-circuit current breaking capacity (Icu)  |   |
| at AC at 240 V rated value   | 100 kA  |
| <ul> <li>at AC at 400 V rated value</li> </ul>   | 65 kA   |
| <ul> <li>at AC at 500 V rated value</li> </ul>   | 12 kA   |
| <ul> <li>at AC at 690 V rated value</li> </ul>   | 5 kA  |
| operating short-circuit current breaking capacity (Ics) at AC  |   |
| at 240 V rated value   | 100 kA  |
| • at 400 V rated value   | 30 kA   |
| at 500 V rated value   | 6 kA  |
| at 690 V rated value   | 3 kA  |
| response value current of instantaneous short-circuit trip unit  | 260 A   |
| UL/CSA ratings   |   |
|  |   |
|  |   |
| full-load current (FLA) for 3-phase AC motor   | 20 A  |
| • at 480 V rated value   | 20 A  |
| <ul><li>at 480 V rated value</li><li>at 600 V rated value</li></ul>  | 20 A<br>20 A  |
| at 480 V rated value     at 600 V rated value  yielded mechanical performance [hp]   |   |
| at 480 V rated value     at 600 V rated value      yielded mechanical performance [hp]      o for single-phase AC motor  | 20 A  |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> yielded mechanical performance [hp] <ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> </ul>   | 20 A<br>1.5 hp  |
| at 480 V rated value     at 600 V rated value  yielded mechanical performance [hp]      for single-phase AC motor          — at 110/120 V rated value         — at 230 V rated value   | 20 A  |
| at 480 V rated value     at 600 V rated value      yielded mechanical performance [hp]      o for single-phase AC motor         — at 110/120 V rated value         — at 230 V rated value     o for 3-phase AC motor   | 20 A<br>1.5 hp<br>3 hp  |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> </ul> </li> </ul>   | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp                                    |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> </ul> </li> </ul>   | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp                          |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> </ul> </li> </ul>   | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp<br>15 hp                 |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul>                               | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp                          |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> </ul> </li> </ul>   | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp<br>15 hp                 |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul>                               | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp<br>15 hp                 |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection</li> </ul>         | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp<br>15 hp<br>20 hp        |
| <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection</li> </ul> | 20 A<br>1.5 hp<br>3 hp<br>7.5 hp<br>7.5 hp<br>15 hp<br>20 hp<br>Yes |

| • at 240 V   | none required  |  |  |  |
|--|--|--|--|--|
| ● at 240 V<br>● at 400 V   | none required  |  |  |  |
|  | 100  |  |  |  |
| • at 500 V   | 80<br>63   |  |  |  |
| <ul> <li>at 690 V</li> <li>Installation/ mounting/ dimensions</li> </ul> | 63   |  |  |  |
|  |  |  |  |  |
| mounting position  | any  |  |  |  |
| fastening method   | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |  |  |  |
| height   | 140 mm   |  |  |  |
| width  | 55 mm  |  |  |  |
| depth  | 149 mm   |  |  |  |
| required spacing   | 0 mm   |  |  |  |
| • with side-by-side mounting at the side                                 | 0 mm   |  |  |  |
| for grounded parts at 400 V  | 50 mm  |  |  |  |
| - downwards  | 50 mm  |  |  |  |
| — upwards  | 50 mm  |  |  |  |
| — at the side  | 10 mm  |  |  |  |
| • for live parts at 400 V  |  |  |  |  |
| - downwards  | 50 mm  |  |  |  |
| — upwards  | 50 mm  |  |  |  |
| — at the side  | 10 mm  |  |  |  |
| for grounded parts at 500 V  | F0 mm  |  |  |  |
| - downwards  | 50 mm  |  |  |  |
| — upwards  | 50 mm  |  |  |  |
| — at the side  | 10 mm  |  |  |  |
| • for live parts at 500 V  |  |  |  |  |
| — downwards  | 50 mm  |  |  |  |
| — upwards  | 50 mm  |  |  |  |
| — at the side  | 10 mm  |  |  |  |
| • for grounded parts at 690 V  |  |  |  |  |
| — downwards  | 50 mm  |  |  |  |
| — upwards  | 50 mm  |  |  |  |
| — backwards  | 0 mm   |  |  |  |
| — at the side  | 10 mm  |  |  |  |
| — forwards   | 0 mm   |  |  |  |
| • for live parts at 690 V  |  |  |  |  |
| — downwards  | 50 mm  |  |  |  |
| — upwards  | 50 mm  |  |  |  |
| — backwards  | 0 mm   |  |  |  |
| — at the side  | 10 mm  |  |  |  |
| — forwards   | 0 mm   |  |  |  |
| Connections/ Terminals   |  |  |  |  |
| type of electrical connection  |  |  |  |  |
| for main current circuit   | screw-type terminals   |  |  |  |
| arrangement of electrical connectors for main current<br>circuit         | Top and bottom   |  |  |  |
| type of connectable conductor cross-sections                             |  |  |  |  |
| for main contacts  |  |  |  |  |
| — solid or stranded  | 2x (1 25 mm²), 1x (1 35 mm²)   |  |  |  |
| <ul> <li>finely stranded with core end processing</li> </ul>             | 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> )                   |  |  |  |
| <ul> <li>for AWG cables for main contacts</li> </ul>                     | 2x (18 3), 1x (18 2)   |  |  |  |
| tightening torque  |  |  |  |  |
| <ul> <li>for main contacts with screw-type terminals</li> </ul>          | 3 4.5 N·m  |  |  |  |
| design of screwdriver shaft  | Diameter 5 to 6 mm   |  |  |  |
| size of the screwdriver tip  | Pozidriv size 2  |  |  |  |
| design of the thread of the connection screw                             |  |  |  |  |
| • for main contacts  | M6   |  |  |  |
| Safety related data  |  |  |  |  |
| product function suitable for safety function                            | Yes  |  |  |  |
| suitability for use  |  |  |  |  |
| safety-related switching on  | No   |  |  |  |
| safety-related switching OFF   | Yes  |  |  |  |
| - called stitle stitle and   |  |  |  |  |

| tet user-slaked aarde of hencessary reportion of dangerous failures is 33 3200 00 % 00 % 00 % 00 % 00 % 00 % 0  | oomioo life marine  |   |                    | 10 -            |                            |                      |    |
|---|---|---|--------------------|-----------------|----------------------------|----------------------|----|
| properties of diagences failures • with is demand rate according to SN 31520 50 % 50 % 50 % 50 % 50 % 50 % 50 % 50  | service life maximum  | co lifo nocoscory                       |                    | 10 a            |                            |                      |    |
| <ul> <li>• with bind enhand rate according to SN 31920</li> <li>• with bind enhand rate according to SN 31920</li> <li>• So 3</li> <li>• With bind enhand rate according to SN 31920</li> <li>• So 3</li> <li>• So</li></ul>  |   |   |                    | res             |                            |                      |    |
| • with high demand rate according to SN 1920 50 %   BV salue with high demand rate according to SN 1920 50 FT   SV salue with high demand rate according to SN 1920 50 FT   SV salue with high demand rate according to SN 1920 50 FT   SV salue with high demand rate according to SN 1920 50 FT   SV salue with high demand rate according to SN 1920 50 FT   SV salue with high demand rate according to SN 1920 70 F   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate according to SN 1920 10 s   SV salue with high demand rate with SN 1920 10 s   SV salue with high demand rate with SN 1920 10 s   SV salue with high demand rate with SN 1920 10 s   SV salue with high demand rate with SN 1920 10 s   SV salue with high demand rate with SN 1920 10 s   SV salue with   |   |   | 920                | 40 %            |                            |                      |    |
| B1 Guian with high demand rate according to SN 31920<br>SI 00 5 TF -<br>Signal device type according to ISO 13849-1 a 3<br>overdimensioning according to ISO 13849-2 meassary<br>Ves<br>SIGN 13849<br>overdimensioning according to ISO 13849-2 meassary<br>Ves<br>SIGN 2000<br>SIGN 2000   | C C   |   |                    |                 |                            |                      |    |
| failure rate [FT] with low demand rate according to SN 50 FT 40000000000000000000000000000000000  |   |   |                    |                 |                            |                      |    |
| device type according to ISO 13849-1<br>overdimentioning according to ISO 13849-2 necessary<br>Yes<br>Safety device type according to ISO 13849-2 mecessary<br>Yes<br>Safety device type according to ISO 61508-2<br>Type A<br>Type | failure rate [FIT] with low demand rate according to SN   |   |                    |                 |                            |                      |    |
| overdimensioning according to 150 138492 necessary     Yes       IEC 81306     Type A       IF value     Type A       If value     To a       If or pool test interval or service life according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incuch protection on the front according to IEC 80529     IP20       Incurrent Product Approval     IP20       Incurrent Status     IP20       Incurrent Sta  | ISO 13849   |   |                    |                 |                            |                      |    |
| HEC 61900   anderly device type according to IEC 61506-2   T value   • for proof test interval or service life according to IEC   61500   Electrical Safety   provation   Boddy version for switching to IEC 60529   Interval or service life according to IEC 60529   Interval or switching status   | device type according   | to ISO 13849-1                          |                    | 3               |                            |                      |    |
| safety device type according to IEC 61506-2 T value 1 or proof lest interval or service life according to IEC 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | overdimensioning acc  | ording to ISO 13849-2                   | necessary          | Yes             |                            |                      |    |
| Ti value       In a         is for proof lest interval or service life according to IEC       10 a         is for proof lest interval or service life according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         touch protection on the front according to IEC 60529       IP20         command Product Approval       IP20         Confirmation       IP20         for proval       Test Certificates         Marine / Shipping       IP20         Relevant       IP20         Marine / Shipping       IP20         <   |   |   |                    | _               |                            |                      |    |
| • to proof lost interval or service life according to IEC     10 a       Flexibia     interval according to IEC 60523     IP20       Control     Integre safe, for vertical contract from the front     Integre safe, for vertical contract from the front       Isplay     Integre safe, for vertical contract from the front     Integre safe, for vertical contract from the front       Isplay     Integre safe, for vertical contract from the front     Integre safe, for vertical contract from the front       Isplay     Integre safe, for vertical contract from the front     Integre safe, for vertical contract from the front       Isplay     Integre safe, for vertical contract from the front     Integre safe, for vertical contract from the front       Isplay     Isplay     Integre safe, for vertical contract from the front     Isplay       Isplay     Isplay     Isplay       Isplay     Isplay   | safety device type according to IEC 61508-2   |   |                    | Туре А          |                            |                      |    |
| Electrical Safety       P20         protection class IP on the front according to IEC 60529       Ingersale, for vertical contact from the front         isplay       Isplay         General Product Approval       Isplay         proval       Test Certificates         Marine / Shipping       Isplay         Isplay       Isplay </td <td><ul> <li>for proof test inter</li> </ul></td> <td>val or service life accord</td> <td>ling to IEC</td> <td>10 a</td> <td></td> <td></td> <td></td>  | <ul> <li>for proof test inter</li> </ul>  | val or service life accord              | ling to IEC        | 10 a            |                            |                      |    |
| protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 display version for switching status approvals Cordination General Product Approve Genera  |   |   |                    |                 |                            |                      |    |
| touch protection on the front according to EC 60520       Inger-safe, for vertical contact from the front         isplay       isplay       Handle         provals Cortificates       Handle         ccc       Confirmation       Isplay         General Product Aproval       Confirmation       Isplay         General Product Aproval       Test Certificates       Marine / Shipping       Isplay         General Product Aproval       Test Certificates       Marine / Shipping       Isplay         Marine / Shipping       Test Certificates       Marine / Shipping       Isplay         Marine / Shipping       Special Test Certificates       Isplay       Isplay         Marine / Shipping       Isplay       Isplay       Isplay       Isplay         Marine / Shipping       Isplay       Isplay       Isplay       Isplay       Isplay         Marine / Shipping       Isplay       Isplay       Isplay       Isplay       Isplay       Isplay       Isplay       Isplay       Isplay         Marine / Shipping       Isplay       Is  |   | the front according to                  | IEC 60529          | IP20            |                            |                      |    |
| isplay       display version for switching status       Handle         general Product Approval       EEEE       Confirmation         General Product Approval       EEEE       Confirmation         General Product Approval       Test Certificates       Marine / Shipping         General Product Approval       Test Certificates       Marine / Shipping         General Product Approval       Type Test Certificates       Marine / Shipping         Marine / Shipping       Type Test Certificates       Special Test Certificates       Special Test Certificates         Marine / Shipping       Type Test Certificates       Special Test Certificates       Special Test Certificates       Special Test Certificates         Marine / Shipping       Other       Environment       Special Test Certificates       Marine / Shipping       Special Test Certificates       Misocelianeous         Special Test Certificates       Confirmation       Misocelianeous       Special Test Certificates       Spe   | -   |   |                    |                 | -safe, for vertical contac | t from the front     |    |
| pyrovals Certificates         General Product Approval         General Product Approval         General Product Approval         Test Certificates         Marine / Shipping         Type Test Certificates         Marine / Shipping         Type Test Certificates         Marine / Shipping         Type Test Certificates         Marine / Shipping         Other         Statistication         Statistication         Railway         Scatistication         Information         Information         Information on the packaging         Thips://woodindusty.sitemes.com/cathodynet/view/10813375         Information- and Downloadcenter (Catalogs, Brochures)         Thip://woodindusty.sitemes.com/cathodyn   | lisplay   |   |                    |                 |                            |                      |    |
| General Product Approval       Image: Confirmation of the proval of the prove prove prove prove prove proval of the prove proval of the prove proval of the prove prove prove prove prove proval of the prove prove prove prove proval of the prove prove prove proval of the prove   | display version for switch  | hing status                             |                    | Hand            | le                         |                      |    |
| $\widetilde{\mathbb{C}_{CC}}$ $\widetilde{\mathbb{C}_{C}}$ $\widetilde{\mathbb{C}_{C}}$ $\widetilde{\mathbb{C}_{C}}$ $\widetilde{\mathbb{C}_{C}}$ Secretal Product Approval $\mathbf{tet Certificates}$ Marine / Shipping $\widetilde{\mathbb{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ Marine / Shipping $\widetilde{\mathbb{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ $\widetilde{\mathbb{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ $\widetilde{\mathbb{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ $\overline{\mathbb{C}_{C}}$ $\widetilde{\mathbb{C}}$ $\overline{\mathbb{C}}$ $$   | pprovals Certificates   |   |                    |                 |                            |                      |    |
| Ctt     Lott       General Product Ap-<br>proval     Test Cortificates     Marine / Shipping       Image: Contract of the set of the se   | General Product Appr  | oval                                    |                    |                 |                            |                      |    |
| proval       Test Certific-<br>ate       Special Test Certific-<br>ate       Confirmation       Miscellaneous       Special<br>Special Test Certific-<br>ate       Special Test Certific-<br>ate       Confirmation       Miscellaneous       Special Test Certific-<br>ate       Confirmation         Special Test Certific-<br>ate       Confirmation       Confirmation       Miscellaneous       Special Test Certific-<br>ate       Confirmation         Vetor Information<br>ate       Confirmation       Special Test Certific-<br>ate       Confirmation       Environmental Con-<br>firmations         Information on the packaging<br>Miss/Mapped Industry stemens contricts/wy/anview/109813875       Special Test Certific-<br>Bites/Wall (Online ordering system)       Information Con-<br>firmations         Information and Downloadconter (Catalogs, Brochures,)<br>https://support.laulundicustry.stemens.com/MV/ICAXorder/default.aspx?lang=en&mlb=3RV2331.4BC10       Cox online generator<br>Miss/Support (Manuals, Certificates, Characteristics, FAGs,)  |   | CE<br>EG-Konf.                          | UK<br>CA           |                 | <u>Confirmation</u>        |                      | KC |
| ites/Test Report ate   ates/Test Report ate   ites/Test Report ite   ites/Test Report other   ites/Test Shipping other     ites/Test Shipping other     ites/Test Shipping ites/Test Shipping     ites/Test Shipping other     ites/Test Shipping other     ites/Test Shipping ites/Test Shipping     ites/Test Shipping ites/Test Shipping     ites/Test Shipping ites/Test Shipping     ites/Test Certific: Confirmation     Special Test Certific: Confirmation   ate Confirmation     ites/Test Shipping        ites/Test Shipping                  <  |   | Test Certificates                       |                    |                 | Marine / Shipping          |                      |    |
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| Special Test Certific:<br>ate       Confirmation         Siemens       Siemens       Environmental Con-<br>firmations         urther information       Siemens       Information and Downloadcenter (Catalogs, Brochures,)         https://support.industry.siemens.com/cs/ww/en/view/109813875       Information- and Downloadcenter (Catalogs, Brochures,)         https://www.siemens.com/cs/ww/en/view/109813875       Information- and Downloadcenter (Catalogs, Brochures,)         https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2331-4BC10       Cax online generator         https://mall.industry.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10       Service&Support (Manuals, Certificates, Characteristics, FAQs,)         https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10       Service&Support (Manuals, Certificates, Characteristics, FAQs,)   | Hoyd's<br>Register<br>Lits  | PRS                                     |                    |                 | <u>Confirmation</u>        | <u>Miscellaneous</u> |    |
| ate firmations<br>wither information<br>Information on the packaging<br>https://support.industry.siemens.com/cs/ww/en/view/109813875<br>Information- and Downloadcenter (Catalogs, Brochures,)<br>https://www.siemens.com/ic10<br>Industry Mall (Online ordering system)<br>https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2331-4BC10<br>Cax online generator<br>http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10   | Railway   |   | Environment        |                 |                            |                      |    |
| urther information Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/catalog/product?mlfb=3RV2331-4BC10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10  |   | Confirmation                            |                    |                 | Siemens                    |                      |    |
| Information on the packaging<br>https://support.industry.siemens.com/cs/ww/en/view/109813875<br>Information- and Downloadcenter (Catalogs, Brochures,)<br>https://www.siemens.com/ic10<br>Industry Mall (Online ordering system)<br>https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2331-4BC10<br>Cax online generator<br>http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10   | Further information   |   | EPD                |                 |                            |                      |    |
| Information- and Downloadcenter (Catalogs, Brochures,)<br>https://www.siemens.com/ic10<br>Industry Mall (Online ordering system)<br>https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2331-4BC10<br>Cax online generator<br>http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10   | Information on the pac  |   |                    |                 |                            |                      |    |
| https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2331-4BC10<br>Cax online generator<br>http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10   | Information- and Down<br>https://www.siemens.com  | nloadcenter (Catalogs,<br><u>m/ic10</u> |                    |                 |                            |                      |    |
| Cax online generator<br>http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2331-4BC10<br>Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10  | Industry Mall (Online ordering system)<br>https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2331-4BC10 |   |                    |                 |                            |                      |    |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,)<br>https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10   | Cax online generator  |   |                    |                 |                            |                      |    |
|   | Service&Support (Man  | uals, Certificates, Cha                 | racteristics, FAQs | s,)             | en&mitd=3RV2331-4BC1       | <u>IU</u>            |    |
| http://www.automation.siemens.com/bilddb/cax_de.aspx?mifb=3RV2331-4BC10⟨=en   | Image database (produ   | uct images, 2D dimens                   | ion drawings, 3D   | models          |                            | ns, EPLAN macros,)   |    |

## Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RV2331-4BC10/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2331-4BC10&objecttype=14&gridview=view1





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