SIEMENS

Data sheet 3RA6120-2CB34



SIRIUS Compact load feeder DOL starter 690 V 24 V AC/DC 50...60 Hz 1...4 A IP20 Connection main circuit: Spring-type terminal Connection auxiliary circuit: plug-in, without terminals

| product designation compact starter design of the product direct starter product type designation 3RA61 General technical data product function control circuit interface to parallel wiring Yes product extension auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state 1 W |
|---|
| product type designation General technical data product function control circuit interface to parallel wiring Yes product extension auxiliary switch Yes power loss [W] for rated value of the current |
| Product function control circuit interface to parallel wiring product extension auxiliary switch power loss [W] for rated value of the current Yes |
| product function control circuit interface to parallel wiring product extension auxiliary switch power loss [W] for rated value of the current |
| product extension auxiliary switch Power loss [W] for rated value of the current |
| power loss [W] for rated value of the current |
| |
| • at AC in hot operating state 1 W |
| |
| • at AC in hot operating state per pole 0.33 W |
| • without load current share typical 2.9 W |
| insulation voltage rated value 690 V |
| degree of pollution 3 |
| surge voltage resistance rated value 6 000 V |
| maximum permissible voltage for protective separation |
| • between main and auxiliary circuit 400 V |
| between auxiliary and auxiliary circuit 250 V |
| • between control and auxiliary circuit 300 V |
| degree of protection NEMA rating other |
| shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes |
| vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles |
| mechanical service life (operating cycles) |
| • of the main contacts typical 10 000 000 |
| • of auxiliary contacts typical 10 000 000 |
| • of the signaling contacts typical 10 000 000 |
| electrical endurance (operating cycles) of auxiliary contacts |
| • at DC-13 at 6 A at 24 V typical 30 000 |
| • at AC-15 at 6 A at 230 V typical 200 000 |
| type of assignment continous operation according to IEC 60947-6-2 |
| reference code according to IEC 81346-2 Q |
| Substance Prohibitance (Date) 05/01/2012 |
| Ambient conditions |
| installation altitude at height above sea level maximum 2 000 m |
| ambient temperature |
| • during operation -20 +60 °C |
| • during storage -55 +80 °C |
| • during transport -55 +80 °C |
| relative humidity during operation 10 90 % |
| Main circuit |
| number of poles for main current circuit 3 |

| adjustable current response value current of the current- | 1 4 A |
|--|---|
| dependent overload release | 170 |
| formula for making capacity limit current | 12 x le |
| formula for limit current breaking capacity | 10 x le |
| yielded mechanical performance for 4-pole AC motor | |
| at 400 V rated value | 1.5 kW |
| at 500 V rated value | 2.2 kW |
| at 690 V rated value | 3 kW |
| operating voltage at AC-3 rated value maximum | 690 V |
| operational current | |
| at AC at 400 V rated value | 4 A |
| at AC-3 at 400 V rated value | 4 A |
| • at AC-43 | |
| — at 400 V rated value | 3.6 A |
| — at 500 V rated value | 3.9 A |
| — at 690 V rated value | 3.8 A |
| operating power | |
| • at AC-3 at 400 V rated value | 1.5 kW |
| • at AC-43 | |
| — at 400 V rated value | 1 500 W |
| — at 500 V rated value | 2 200 W |
| — at 690 V rated value | 3 000 W |
| no-load switching frequency | 3 600 1/h |
| operating frequency | |
| at AC-41 according to IEC 60947-6-2 maximum | 750 1/h |
| at AC-43 according to IEC 60947-6-2 maximum | 250 1/h |
| Control circuit/ Control | |
| type of voltage | AC/DC |
| control supply voltage 1 at AC | |
| at 50 Hz rated value | 24 V |
| ● at 50 Hz | 24 24 V |
| at 60 Hz rated value | 24 V |
| ● at 60 Hz | 24 V |
| control supply voltage frequency | |
| • 1 rated value | 50 Hz |
| 2 rated value | 60 Hz |
| | |
| control supply voltage 1 | |
| at DC rated value | 24 V |
| at DC rated value at DC | 24 V 24 24 V |
| at DC rated value at DC holding power | 24 24 V |
| at DC rated value at DC holding power at AC maximum | 24 24 V 2.8 W |
| at DC rated value at DC holding power at AC maximum at DC maximum | 24 24 V |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit | 24 24 V 2.8 W 2.9 W |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts | 24 24 V 2.8 W 2.9 W |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts | 24 24 V 2.8 W 2.9 W |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for | 24 24 V 2.8 W 2.9 W |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts | 24 24 V 2.8 W 2.9 W |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload | 24 24 V 2.8 W 2.9 W 1 1 |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact | 24 24 V 2.8 W 2.9 W 1 1 1 |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 1 |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 1 |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 0 A 0.27 A |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 0 A 0.27 A |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class operating short-circuit current breaking capacity (Ics) | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 CLASS 10 and 20 adjustable |
| at DC holding power at AC maximum at DC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class operating short-circuit current breaking capacity (Ics) at 400 V | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 CLASS 10 and 20 adjustable 53 kA |
| at DC holding power at AC maximum at DC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class operating short-circuit current breaking capacity (Ics) at 400 V at 500 V rated value | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 CLASS 10 and 20 adjustable 53 kA 3 kA |
| at DC holding power at AC maximum at DC maximum at DC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class operating short-circuit current breaking capacity (Ics) at 400 V at 500 V rated value at 690 V rated value | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 CLASS 10 and 20 adjustable 53 kA 3 kA |
| at DC rated value at DC holding power at AC maximum at DC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class operating short-circuit current breaking capacity (Ics) at 400 V at 500 V rated value at 690 V rated value UL/CSA ratings | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 CLASS 10 and 20 adjustable 53 kA 3 kA |
| at DC rated value at DC holding power at AC maximum at DC maximum Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts of instantaneous short-circuit trip unit for signaling contact number of CO contacts of the current-dependent overload release for signaling contact operational current of auxiliary contacts at AC-12 maximum operational current of auxiliary contacts at DC-13 at 250 V Protective and monitoring functions trip class operating short-circuit current breaking capacity (Ics) at 400 V at 500 V rated value at 690 V rated value IUL/CSA ratings full-load current (FLA) for 3-phase AC motor | 24 24 V 2.8 W 2.9 W 1 1 1 1 1 CLASS 10 and 20 adjustable 53 kA 3 kA 3 kA |

| yielded mechanical performance [hp] for 3-phase AC motor | |
|--|---|
| at 200/208 V rated value | 0.75 hp |
| at 220/230 V rated value | 0.75 hp |
| ● at 460/480 V rated value | 2 hp |
| • at 575/600 V rated value | 3 hp |
| contact rating of auxiliary contacts according to UL | contacts 21-22, 13-14, 43-44 Q600 / A600, contacts 77-78 R300 / B300, contacts 95-96-98 R300 / D300 |
| Short-circuit protection | |
| product function short circuit protection | Yes |
| design of short-circuit protection | electromagnetic |
| design of the fuse link | |
| for short-circuit protection of the auxiliary switch required | fuse gL/gG: 10 A |
| for short-circuit protection of the signaling switch of the short-circuit release required | 6A gL/gG/400V |
| for short-circuit protection of the signaling switch of the overload release required | 4A gL/gG/400V |
| Installation/ mounting/ dimensions | |
| mounting position | any |
| • recommended | vertical, on horizontal standard DIN rail |
| fastening method | screw and snap-on mounting |
| height | 191 mm |
| width | 45 mm |
| depth | 165 mm |
| Connections/ Terminals | |
| product component removable terminal for main circuit | Yes |
| product component removable terminal for auxiliary and control circuit | Yes |
| type of electrical connection | |
| for main current circuit | spring-loaded terminals |
| for auxiliary and control circuit | plug-in without terminals |
| type of connectable conductor cross-sections for main contacts | p.ug iii miliot tomiliaio |
| solid | 2x (1.5 6 mm²), 1x 10 mm² |
| finely stranded with core end processing | 2x (1.5 6 mm²) |
| finely stranded with core end processing finely stranded without core end processing | 2x (1.5 6 mm²) |
| <u> </u> | 2x (1.5 0 mm) |
| type of connectable conductor cross-sections | |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | 2v /0 2F |
| for auxiliary contacts — solid | 2x (0.25 1.5 mm²) |
| for auxiliary contacts — solid — finely stranded with core end processing | 2x (0.25 1.5 mm²) |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing for AWG cables for auxiliary contacts | 2x (0.25 1.5 mm²) |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts Safety related data | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures — with low demand rate according to SN 31920 — with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures — with low demand rate according to SN 31920 — with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures — with low demand rate according to SN 31920 — with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures — with low demand rate according to SN 31920 — with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures — with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported • AS-Interface protocol | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures — with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported AS-Interface protocol IO-Link protocol | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported • AS-Interface protocol • IO-Link protocol product function control circuit interface with IO link | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported • AS-Interface protocol • IO-Link protocol product function control circuit interface with IO link Electromagnetic compatibility | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported • AS-Interface protocol • IO-Link protocol product function control circuit interface with IO link Electromagnetic compatibility conducted interference | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe No No No |
| for auxiliary contacts — solid — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts Safety related data B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 Communication/ Protocol product function bus communication protocol is supported • AS-Interface protocol • IO-Link protocol product function control circuit interface with IO link Electromagnetic compatibility conducted interference • due to burst according to IEC 61000-4-4 | 2x (0.25 1.5 mm²) 2x (0.25 1.5 mm²) 2x (24 16) 3 000 000 40 % 50 % 100 FIT 20 a IP20 finger-safe No No No No No |

| due to high-frequency radiation according to IEC 61000- 4-6 | 0.15-80Mhz at 10V |
|---|------------------------|
| field-based interference according to IEC 61000-4-3 | 10 V/m |
| electrostatic discharge according to IEC 61000-4-2 | 8 kV |
| conducted HF interference emissions according to CISPR11 | 150 kHz 30 MHz Class A |
| field-bound HF interference emission according to CISPR11 | 30 1000 MHz Class A |
| Supply voltage | |
| Supply voltage required Auxiliary voltage | No |
| Display | |
| number of LEDs | 2 |
| Certificates/ approvals | |

General Product Approval

EMC

Functional Safety/Safety of Machinery



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other

Dangerous Good





Confirmation

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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/en/Catalog/product?mlfb=3RA6120-2CB34

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RA6120-2CB34}$

 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/3RA6120-2CB34

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

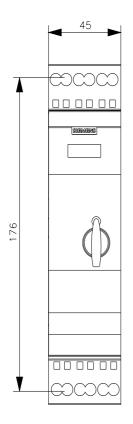
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA6120-2CB34&lang=en

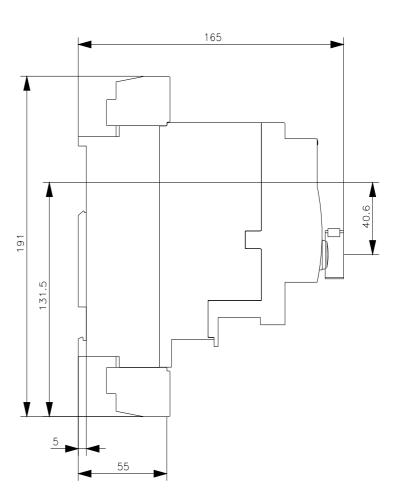
Characteristic: Tripping characteristics, I2t, Let-through current

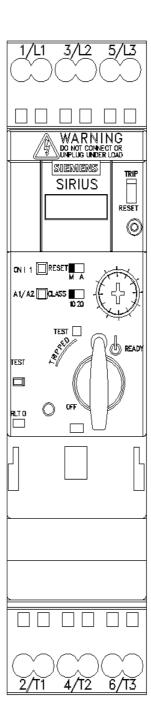
https://support.industry.siemens.com/cs/ww/en/ps/3RA6120-2CB34/char

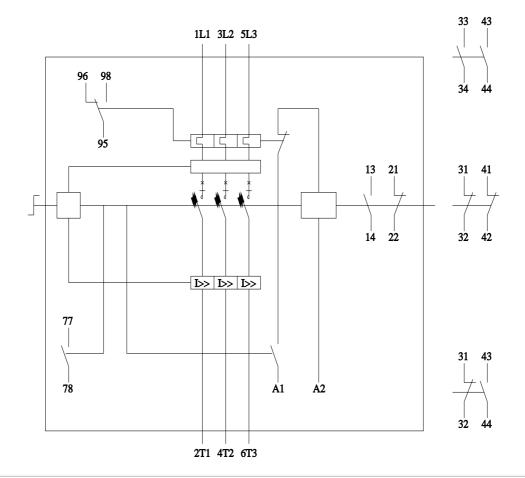
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6120-2CB34&objecttype=14&gridview=view1









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