## **SIEMENS**

## **Data sheet**

## 3RA2135-4EA35-0AP6

	Fuseless motor starter Direct start 600VAC Size S2 22-32A 220/240VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 100 KA Also full fills type Of coordination 1 1NO+1NC (MSP)
	1NO+1NC (contactor)
product brand name	SIRIUS
product designation	non-fused motor starter 3RA2
design of the product	direct starter
manufacturer's article number	
<ul> <li>of the supplied contactor</li> </ul>	3RT2035-1AP60
<ul> <li>of the supplied circuit-breakers</li> </ul>	3RV2031-4EA15
<ul> <li>of the supplied link module</li> </ul>	3RA2931-1AA00
General technical data	
size of the circuit-breaker	S2
size of load feeder	S2
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
degree of pollution	3
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	6g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
type of assignment	2
Ambient conditions	
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-55 +80 °C
Main circuit	55 III 55 5
number of poles for main current circuit	3
number of poles for main current circuit	3 electromechanical
design of the switching contact	electromechanical
design of the switching contact adjustable current response value current of the current-	electromechanical
design of the switching contact adjustable current response value current of the current- dependent overload release	electromechanical
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage	electromechanical 22 32 A
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value	electromechanical 22 32 A 690 V
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage  • rated value • at AC-3 rated value maximum	electromechanical 22 32 A  690 V 690 V
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage  • rated value • at AC-3 rated value maximum operating frequency rated value	electromechanical 22 32 A  690 V 690 V 50 60 Hz
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage  • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value	electromechanical 22 32 A  690 V 690 V 50 60 Hz
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage  • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value Control circuit/ Control	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value  Control circuit/ Control control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value  Control circuit/ Control  control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value  Control circuit/ Control  control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value • at 60 Hz rated value	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V
design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  apparent holding power of magnet coil at AC	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA
design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  apparent holding power of magnet coil at AC  inductive power factor with the holding power of the coil	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value  Control circuit/ Control  control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil  Auxiliary circuit	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA 0.37
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value  Control circuit/ Control  control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value • at 60 Hz rated value apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil  Auxiliary circuit number of NC contacts for auxiliary contacts	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA 0.37
design of the switching contact adjustable current response value current of the current- dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value  Control circuit/ Control  control supply voltage at AC • at 50 Hz rated value • at 50 Hz rated value • at 60 Hz rated value at 60 Hz rated value apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA 0.37
design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  apparent holding power of magnet coil at AC  inductive power factor with the holding power of the coil  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  Protective and monitoring functions	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA 0.37
design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  apparent holding power of magnet coil at AC  inductive power factor with the holding power of the coil  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  Protective and monitoring functions  trip class	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA 0.37
design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value  • at 60 Hz rated value  apparent holding power of magnet coil at AC  inductive power factor with the holding power of the coil  Auxiliary circuit  number of NC contacts for auxiliary contacts  number of NO contacts for auxiliary contacts  Protective and monitoring functions	electromechanical 22 32 A  690 V 690 V 50 60 Hz 29 A  15 000 W  220 V 176 242 V 240 V 192 264 V 16 VA 0.37

height 274 mm  width 55 mm  depth 150 mm  required spacing  • for grounded parts  — forwards 0 mm  — backwards 0 mm  — upwards 50 mm  — at the side 10 mm  • for live parts  — forwards 0 mm  • for live parts  — forwards 0 mm  • for live parts  — torwards 0 mm  — backwards 0 mm  — backwards 0 mm  — backwards 0 mm  — backwards 10 mm  — torwards 10 mm  — to downwards 10 mm  — connections/ Terminals  Type of electrical connection for main current circuit screw-type terminals  Type of connectable conductor cross-sections for main contacts stranded connectable conductor cross-sections for main contacts 1 35 mm², 2x (1 16 mm²)  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures with high demand rate according to SN 31920 IP20  touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		UL/CSA ratings
• at 600 V rated value  yiolidod mechanical performance [hp] • for single-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 220/208 V rated value • at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 576/600 V rated value — at 4400 V according to IEC 60047.4-1 rated value — at 4400 V according to IEC 60047.4-1 rated value — at 4400 V according to IEC 60047.4-1 rated value  Installation mounting of dimensions  mounting position  fastening method — for grounded parts — for grounded parts — for grounded parts — for grounded parts — backwards — at the side — odwnwards — of live parts — forwards — ownwards — ownwar		full-load current (FLA) for 3-phase AC motor
yelded mechanical performance [hp]  • for single-phase AC motor  — at 200208 V rated value  • for 3-phase AC motor  — at 2200208 V rated value  — at 2200209 V rated value  — at 460480 V rated value  — at 460480 V rated value  — at 5757600 V rated value  — at 640480 V rated value  — at 640480 V rated value  — at 640480 V rated value  — at 75767600 V rated value  — at 400 V according to IEC 60947-4-1 rated value  Installation / mounting/ dimensions  — mounting position  fastening method  fastening method  Aleght  — so which is a serie of the series of the ser	32 A	at 480 V rated value
• for single-phase AC motor     — at 230 V rated value     • for 3-phase AC motor     — at 200/208 V rated value     — at 200/208 V rated value     — at 200/208 V rated value     — at 400/80 V rated value     — at 60/80 V rated value     — at 675/600 V rated value     — at 675/600 V rated value     30 hp  Short-circuit protection  product function short circuit protection  product function short circuit furp  conditional short-circuit trip  conditional short-circuit trip  magnetic  conditional short-circuit trip  magnetic  conditional short-circuit function  vertical  fastening method  snap-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mounted with additional push-in leight  width  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mounted with additional push-in leight  span-mounted to DIN rail or screw-mount	32 A	at 600 V rated value
• for 3-phase AC motor  — at 200/2030 V rated value  — at 220/230 V rated value — at 460/480 V rated value — at 460/480 V rated value — at 57/600 V rated value  — at 57/600 V rated value — at 57/600 V rated value  Short-circuit protection  Product function short circuit protection  Resign of the short-circuit trip — magnetic  conditional short-circuit current (la) • at 400 V according to IEC 60947-4-1 rated value  Invalidation/mounting/dimensions  mounting position  ### Author ###		yielded mechanical performance [hp]
• for 3-phase AC motor  at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 57/600 V rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60948-1 rated value at 400 V according to IEC 60948-1 rated value at 400 V according to IEC 60948-1 rated value at 400 V according to IEC 60948-1 rated value at 400 V according to IEC 60949-1 rated value at 400 V according to IEC 60949-1 rated value at 400 V according to IEC 60949-1 rated value at 400 V according to IEC 60949-1 rated value at 400 V according to IEC 60949-1 rated value at 400 V according to IEC 60949-1 rated value at 400 V according to IEC 60949-1 rated value according		
• for 3-phase AC motor — at 200/208 V rated value — at 220/30 V rated value — at 460/480 V rated value — at 60/480 V rated value — at 675/600 V rated value — at 675/600 V rated value — at 675/600 V rated value	5 hp	
- at 200/208 V rated value 10 hp 10		• for 3-phase AC motor
at 460/480 V rated value 30 hp at 575/600 V rated value 30 hp  Short-circuit protection  product function short circuit protection design of the short-circuit trip magnetic conditional short-circuit current (lq) at 400 V according to IEC 60947-4-1 rated value Installation/ mounting/ dimensions mounting position vertical fastening method Snap-mounted to DIN rail or screw-mounted with additional push-in leight 274 mm width 55 mm depth 150 mm required spacing for grounded parts forwards 0 mm upwards 50 mm at the side 10 mm at the side 10 mm downwards 10 mm backwards 0 mm backwards 0 mm backwards 0 mm to filive parts forwards 0 mm at the side 10 mm to downwards 10 mm backwards 0 mm backwards 10 mm backwards 10 mm backwards 10 mm to filive parts forwards 10 mm the side 10 mm the side 10 mm the side 10 mm backwards 10 mm -	10 hp	at 200/208 V rated value
Short-ciruit protection  product function short circuit trip enable of the short-circuit of the short-circuit trip enable of the sho	10 hp	— at 220/230 V rated value
Short-ciruit protection  product function short circuit trip enable of the short-circuit of the short-circuit trip enable of the sho	25 hp	— at 460/480 V rated value
Short-circuit protection  product function short circuit trop design of the short-circuit current (tq)  • at 400 V according to IEC 60947-4-1 rated value  100 000 A  Installation/ mounting/ dimensions  mounting position fastening method  Snap-mounted to DIN rail or screw-mounted with additional push-in I height  vertical fastening method  beight  274 mm  vidth  55 mm  fequired spacing  • for grounded parts  — forwards — backwards — upwards — at the side — downwards • for live parts — forwards  • for live parts — downwards • for lowards — a the side — downwards • for man to make the side — downwards • for lowards — a the side — downwards • for low parts — at the side — downwards • for low parts — to react the side — downwards • for man  • for low parts — to react the side — downwards — to mm  • for low parts — to react the side — downwards — to mm  • for low parts — to react the side — downwards — to mm  • for mm  • to mm  • t		— at 575/600 V rated value
product function short circuit trip design of the short-circuit trip onditional short-circuit trip other and a conditional short-circuit trip on the short-circuit current (Iq) of at 400 V according to IEC 60947-4-1 rated value of a conditional short-circuit current (Iq) of a conditional short-circuit current (Iq) of astening method Installation/mounting/dimensions  mounting position depth required spacing of grounded parts		Short-circuit protection
design of the short-circuit turrent (lq)  • at 400 V according to IEC 60947-4-1 rated value  • at 400 V according to IEC 60947-4-1 rated value  • at 400 V according to IEC 60947-4-1 rated value  • at 400 V according to IEC 60947-4-1 rated value  • at 400 V according to IEC 60947-4-1 rated value  • according to Short-circuit current (lq)  • at 400 V according to IEC 60947-4-1 rated value  100 000 A  100 0	Yes	
conditional short-circuit current (lq)  • at 400 V according to IEC 60947-4-1 rated value Installation/ mounting position fastening method Snap-mounted to DIN rail or screw-mounted with additional push-in I fleight width S5 mm  depth required spacing  • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — for live parts — for live parts — for live parts — ownwards — upwards — ownwards — upwards — backwards — omm  • for live parts — forwards — upwards — omm  • for live parts — forwards — upwards — backwards — upwards — backwards — upwards — backwards — upwards — the side  Connections/ Torminals  type of connectable conductor cross-sections for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	magnetic	· ·
• at 400 V according to IEC 60947-4-1 rated value  Installation mounting / dimensions  mounting position fastening method Snap-mounted to DIN rail or screw-mounted with additional push-in I height 274 mm width depth 155 mm  required spacing • for grounded parts — forwards — backwards — upwards — at the side — downwards — for live parts — for rowards — o mm • for live parts — backwards — o mm • for live parts — downwards — 10 mm • for live parts — downwards — upwards — at the side — 10 mm  • for live parts — forwards — o mm  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections for main contacts finely stranded with core end processing  B10 value with high demand rate according to ISC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		-
mounting position vertical Snap-mounted to DIN rail or screw-mounted with additional push-in I height 274 mm vidth 55 mm 150 mm required spacing • for grounded parts	value 100 000 A	` "
mounting position  fastening method  height  274 mm  width  depth  150 mm  required spacing  • for grounded parts  — backwards — upwards — at the side — downwards — for five parts — forwards — backwards — owneds — at the side — downwards • for live parts — forwards — backwards — upwards — backwards — to mm  • for live parts — forwards — upwards — backwards — upwards — backwards — to mm  • for live parts — forwards — upwards — backwards — upwards — the side — upwards — at the side — oonnectable conductor cross-sections for main contacts stranded  connections/ Terminals  type of electrical connection for main current circuit type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Srefty related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  proportion class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		-
fastening method  Peight  Peig	vertical	
height 55 mm  depth 150 mm  required spacing  • for grounded parts  — forwards — backwards — upwards — at the side — downwards • for live parts — forwards — backwards — o mm • for live parts — forwards — to mm • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — backwards — upwards — backwards — upwards — at the side — to mm • for live parts — forwards — upwards — at the side — to mm • to mm	Snap-mounted to DIN rail or screw-mounted with additional push-in lug	
width     55 mm       depth     150 mm       required spacing     150 mm       e for grounded parts     0 mm       — backwards     0 mm       — backwards     0 mm       — upwards     50 mm       — at the side     10 mm       — downwards     0 mm       • for live parts     0 mm       — backwards     0 mm       — backwards     0 mm       — downwards     10 mm       — at the side     10 mm       Connections/ Terminals       type of electrical connection for main current circuit     screw-type terminals       type of connectable conductor cross-sections for main contacts stranded     1 35 mm², 2x (1 16 mm²)       connectable conductor cross-section for main contacts finely stranded with core end processing     1 25 mm²       Safety related data     810 value with high demand rate according to SN 31920     1 000 000       proportion of dangerous failures with high demand rate according to SN 31920     1 000 000       protection class IP on the front according to IEC 60529     IP20       touch protection on the front according to IEC 60529     finger-safe, for vertical contact from the front		
required spacing  ● for grounded parts  — forwards — backwards — upwards — at the side — downwards — for live parts  — forwards — backwards — to mm — upwards — backwards — upwards — upwards — upwards — downwards — at the side — to mm — at the side — to mm — to	55 mm	
e for grounded parts  — forwards — backwards — upwards — at the side — downwards — forwards — forwards — of mm — downwards — for live parts — forwards — backwards — of mm — o	150 mm	
• for grounded parts  — forwards — backwards — upwards — at the side — downwards — for live parts — forwards — backwards — o mm		-
forwards 0 mm backwards 0 mm upwards 50 mm at the side 10 mm downwards 10 mm  ■ for live parts forwards 0 mm backwards 0 mm backwards 0 mm backwards 10 mm backwards 10 mm upwards 10 mm downwards 10 mm downwards 10 mm at the side 10 mm at the side 10 mm at the side 10 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures with high demand rate according to SN 31920 Protection class IP on the front according to IEC 60529 IP20  touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		
- upwards - at the side - downwards 10 mm  • for live parts - forwards 0 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm - the side 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections for main contacts stranded connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	0 mm	
- upwards - at the side - downwards 10 mm  • for live parts - forwards 0 mm - backwards 0 mm - upwards 50 mm - downwards 10 mm - the side 0 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections for main contacts stranded connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front	0 mm	— backwards
- at the side		— upwards
• for live parts  — forwards — backwards — upwards — downwards — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	10 mm	•
● for live parts  ─ forwards  ─ backwards  ─ upwards  ─ downwards  ─ at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		
— forwards — backwards — upwards — upwards — downwards — at the side  Connections/ Terminals  type of electrical connection for main current circuit  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		• for live parts
- upwards 50 mm 10 mm  - at the side 10 mm  Connections/ Terminals  type of electrical connection for main current circuit screw-type terminals  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 1 000 000  proportion of dangerous failures with high demand rate according to SN 31920 Protection class IP on the front according to IEC 60529 IP20  touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	0 mm	•
- downwards - at the side 10 mm  Connections/ Terminals  type of electrical connection for main current circuit stranded connectable conductor cross-sections for main contacts stranded connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920 proportion of dangerous failures with high demand rate according to SN 31920 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	0 mm	— backwards
- downwards - at the side  10 mm  Connections/ Terminals  type of electrical connection for main current circuit  screw-type terminals  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	50 mm	— upwards
— at the side  Connections/ Terminals  type of electrical connection for main current circuit  screw-type terminals  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	10 mm	•
type of electrical connection for main current circuit  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		
type of electrical connection for main current circuit  type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		
type of connectable conductor cross-sections for main contacts stranded  connectable conductor cross-section for main contacts finely stranded with core end processing  1 25 mm²  1 25 mm²  1 25 mm²  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	t screw-type terminals	
stranded with core end processing  Safety related data  B10 value with high demand rate according to SN 31920		type of connectable conductor cross-sections for main contacts
B10 value with high demand rate according to SN 31920  proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	acts finely 1 25 mm <sup>2</sup>	
proportion of dangerous failures with high demand rate according to SN 31920  protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front		Safety related data
protection class IP on the front according to IEC 60529  touch protection on the front according to IEC 60529  finger-safe, for vertical contact from the front	31920 1 000 000	B10 value with high demand rate according to SN 31920
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front	rate 73 %	
•	C 60529 IP20	protection class IP on the front according to IEC 60529
	finger-safe, for vertical contact from the front	touch protection on the front according to IEC 60529
Certificates/ approvals		Certificates/ approvals
General Product Approval  For use in hazard- ous locations  Declaration of Conformity	Declaration of Conformity	General Product Approval

Confirmation











Test Certificates Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping other Railway Dangerous Good







<u>Confirmation</u> <u>Vibration and Shock</u> <u>Transport Information</u>

## **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=3RA2135-4EA35-0AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2135-4EA35-0AP6

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA2135-4EA35-0AP6

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2135-4EA35-0AP6&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2135-4EA35-0AP6/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2135-4EA35-0AP6&objecttype=14&gridview=view1