SIEMENS

Product data sheet 3RW4434-6BC44



SIRIUS SOFT STARTER, VALUES WITH 400 V, 40 DEG., STANDARD: 113A, 55KW, INSIDE-DELTA CIRCUIT 3: 196A, 110KW, 200-460 V AC, 230 V AC, SCREW TERMINALS

| General details: | | |
|--|--|--------|
| product brand name | | SIRIUS |
| Product equipment | | |
| integrated bridging contact system | | Yes |
| • thyristors | | Yes |
| Product function | | |
| intrinsic device protection | | Yes |
| motor overload protection | | Yes |
| evaluation of thermal resistor motor protection | | Yes |
| reset external | | Yes |
| adjustable current limitation | | Yes |
| • inside-delta circuit | | Yes |
| Product component / outlet for enine brake | | Yes |
| Item designation | | |
| according to DIN EN 61346-2 | | Q |
| according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | G |

| - at 50 °C / rated value | • at 40 °C / rated value | Α | 113 |
|--|---|----|---------|
| • for three-phase servomotors / at 3-phase root switching • at 40 °C / rated value • at 50 °C / rated value • at 200 °V / at standard switching / at 40 °C • rated value • at 400 °V / at standard switching / at 40 °C • rated value • at 200 °V / at 3-phase root switching / at 40 °C • rated value • at 200 °V / at 3-phase root switching / at 40 °C • rated value • at 400 °V / at 3-phase root switching / at 40 °C • rated value • at 400 °V / at 3-phase root switching / at 40 °C • rated value • at 200 °V / at 3-phase root switching • at 50 °C / rated value • at 200 °V / at standard switching • at 50 °C / rated value • at 200 °V / at standard switching • at 50 °C / rated value • at 200 °V / at 3-phase root switching / at 50 °C • rated value • at 200 °V / at 3-phase root switching / at 50 °C • rated value • at 200 °V / at 3-phase root switching / at 50 °C • rated value • at 200 °V / at 3-phase root switching / at 50 °C • rated value • bp 50 • crated value • bp 60 • at 460 °V at 3-phase root switching / at 50 °C • rated value • bp 50 • crated value • bp 60 • crated value • crat | • at 50 °C / rated value | Α | 100 |
| * at 40 °C / rated value | • at 60 °C / rated value | Α | 88 |
| • at 50 °C / rated value • at 60 °C / rated value Emitted mechanical power / for three-phase servomotors • at 230 V / at standard switching / at 40 °C • rated value • at 400 V / at standard switching / at 40 °C • rated value • rated value • rated value • at 230 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value Violeder mechanical performance (hp) / for three-phase servomotors • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • at 460 V / at 3-phase root switching / at 50 °C • rated value • php 60 Coperating frequency • rated value • php 125 Coperating frequency • rated value Relative positive tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit / rated value Relative positive tolerance / of the operating voltage / with standard circuit / rated value / V 200 460 Relative positive tolerance / of the operating voltage / with standard circuit | • for three-phase servomotors / at 3-phase root switching | | |
| Emitted mechanical power / for three-phase servomotors • at 230 V / at standard switching / at 40 °C • rated value • at 400 V / at standard switching / at 40 °C • rated value • at 230 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • bp 75 • at 200 V / at 3-phase root switching / at 50 °C • rated value • bp 50 • rated value • bp 60 • at 400 V / at 3-phase root switching / at 50 °C • rated value • at 400 V / at 3-phase root switching / at 50 °C • rated value • at 400 V / at 3-phase root switching / at 50 °C • rated value • at 400 V / at 3-phase root switching / at 50 °C • rated value • at 400 V / at 3-phase root switching / at 50 °C • rated value • at 400 V / at 3-phase root switching / at 50 °C • rated value • bp 60 Operating frequency • rated value • hp 125 Operating frequency • rated value • hp 20 60 Relative negative tolerance / of the operating frequency % 10 Operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit standard circuit | • at 40 °C / rated value | Α | 196 |
| Emitted mechanical power / for three-phase servomotors • at 230 V / at standard switching / at 40 °C • rated value • at 400 V / at standard switching / at 40 °C • rated value • at 230 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 50 °C / rated value • at 230 V / at standard switching • at 50 °C / rated value • at 230 V / at standard switching • at 60 V / at standard switching • at 60 V / at standard switching • at 50 °C / rated value • at 230 V / at 3-phase root switching / at 50 °C • rated value • at 230 V / at 3-phase root switching / at 50 °C • rated value • at 230 V / at 3-phase root switching / at 50 °C • rated value • at 460 V / at 3-phase root switching / at 50 °C • rated value • bp • at 600 V / at 3-phase root switching / at 50 °C • rated value • hp • at 600 V / at 3-phase root switching / at 50 °C • rated value • hp • at 250 °C / rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp • at 250 °C / rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 260 V / at 3-phase root switching / at 50 °C • rated value • hp • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp • at 460 V / at 3-phase root switching / a | • at 50 °C / rated value | Α | 173 |
| at 230 V / at standard switching / at 40 °C at 400 V / at standard switching / at 40 °C at 400 V / at 3-phase root switching / at 40 °C at 400 V / at 3-phase root switching / at 40 °C at 400 V / at 3-phase root switching / at 40 °C at 400 V / at 3-phase root switching / at 40 °C at 400 V / at 3-phase root switching / at 40 °C at 400 V / at 3-phase root switching / at 40 °C at 400 V / at standard switching at 50 °C / rated value W 110,000 Yielded mechanical performance (hp) / for three-phase servomotors at 200 V / at standard switching at 50 °C / rated value bp 30 at 50 °C / rated value at 200 V / at standard switching at 50 °C / rated value bp 75 at 200 V / at 3-phase root switching / at 50 °C at 200 V / at 3-phase root switching / at 50 °C at 200 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 3-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C at 400 V / at 5-phase root switching / at 50 °C | • at 60 °C / rated value | Α | 152 |
| * rated value | Emitted mechanical power / for three-phase servomotors | | |
| * at 400 V / at standard switching / at 40 °C * rated value * at 230 V / at 3-phase root switching / at 40 °C * rated value * at 400 V / at 3-phase root switching / at 40 °C * rated value * at 400 V / at 3-phase root switching / at 40 °C * rated value * at 400 V / at 3-phase root switching / at 40 °C * rated value * at 200 V / at standard switching * at 50 °C / rated value * at 230 V / at standard switching * at 460 V / at standard switching * at 50 °C / rated value * at 200 V / at 3-phase root switching / at 50 °C * rated value * at 200 V / at 3-phase root switching / at 50 °C * rated value * at 230 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value | at 230 V / at standard switching / at 40 °C | | |
| • rated value • at 230 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value • W 110,000 Yielded mechanical performance (hp) / for three-phase servomotors • at 200 V / at standard switching • at 50 °C / rated value • hp 30 • at 230 V / at standard switching • at 50 °C / rated value • hp 30 • at 460 V / at standard switching • at 50 °C / rated value • hp 75 • rated value • hp 50 • rated value • hp 60 • at 230 V / at 3-phase root switching / at 50 °C • rated value • hp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp 50 • rated value • hp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp 125 Operating frequency • rated value • hp 125 Operating frequency • rated value • hp 126 Relative negative tolerance / of the operating frequency Palative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | • rated value | W | 30,000 |
| * at 230 V / at 3-phase root switching / at 40 °C * rated value * at 400 V / at 3-phase root switching / at 40 °C * rated value W 110,000 Yielded mechanical performance (hp) / for three-phase servomotors • at 200 V / at standard switching • at 50 °C / rated value • at 230 V / at standard switching • at 50 °C / rated value • at 480 V / at standard switching • at 50 °C / rated value • at 480 V / at 3-phase root switching / at 50 °C • rated value • at 230 V / at 3-phase root switching / at 50 °C • rated value • at 480 V / at 3-phase root switching / at 50 °C • rated value • at 460 V / at 3-phase root switching / at 50 °C • rated value • at 460 V / at 3-phase root switching / at 50 °C • rated value • at 460 V / at 3-phase root switching / at 50 °C • rated value • bp 60 Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | at 400 V / at standard switching / at 40 °C | | |
| • rated value • at 400 V / at 3-phase root switching / at 40 °C • rated value W 110,000 Yielded mechanical performance (hp) / for three-phase servomotors • at 200 V / at standard switching • at 50 °C / rated value • at 330 V / at standard switching • at 50 °C / rated value • at 460 V / at standard switching • at 50 °C / rated value • at 230 V / at standard switching • at 50 °C / rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • hp 75 • rated value • hp 60 • at 230 V / at 3-phase root switching / at 50 °C • rated value • hp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp 125 Operating frequency • rated value • hp 125 Operating frequency • rated value • hp 125 Operating frequency • rated value • hp 100 Relative negative tolerance / of the operating frequency Place of the operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | • rated value | W | 55,000 |
| * at 400 V / at 3-phase root switching / at 40 °C * rated value Yielded mechanical performance (hp) / for three-phase servomotors • at 200 V / at standard switching • at 50 °C / rated value • at 230 V / at standard switching • at 50 °C / rated value • at 460 V / at standard switching • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • hp 50 • at 230 V / at 3-phase root switching / at 50 °C • rated value • hp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp 60 Perating frequency • rated value hp 125 Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Pick to the phase root switching voltage / with standard circuit 100 100 100 100 100 100 100 1 | \bullet at 230 V / at 3-phase root switching / at 40 °C | | |
| * rated value W 110,000 Yielded mechanical performance (hp) / for three-phase servomotors * at 200 V / at standard switching * at 50 °C / rated value * at 230 V / at standard switching * at 65 °C / rated value * hp 30 * at 460 V / at standard switching * at 50 °C / rated value * hp 75 * at 200 V / at 3-phase root switching / at 50 °C * rated value * hp 50 * at 230 V / at 3-phase root switching / at 50 °C * rated value * hp 60 * at 460 V / at 3-phase root switching / at 50 °C * rated value * hp 60 * at 460 V / at 3-phase root switching / at 50 °C * rated value * hp 125 Operating frequency * rated value Hz 50 60 Relative negative tolerance / of the operating frequency Pelative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit **Total Contract of the operating voltage / with standard circuit | • rated value | W | 55,000 |
| Yielded mechanical performance (hp) / for three-phase servomotors • at 200 V / at standard switching • at 50 °C / rated value • at 230 V / at standard switching • at 50 °C / rated value • at 460 V / at standard switching • at 50 °C / rated value • at 200 V / at standard switching • at 50 °C / rated value • bp 75 • at 200 V / at 3-phase root switching / at 50 °C • rated value • bp 50 • rated value • bp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • bp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • bp 125 Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | at 400 V / at 3-phase root switching / at 40 °C | | |
| servomotors • at 200 V / at standard switching • at 50 °C / rated value • at 230 V / at standard switching • at 50 °C / rated value • at 50 °C / rated value • at 460 V / at standard switching • at 50 °C / rated value • at 50 °C / rated value • at 200 V / at 3-phase root switching / at 50 °C • rated value • hp 50 • at 230 V / at 3-phase root switching / at 50 °C • rated value • hp 60 • at 420 V / at 3-phase root switching / at 50 °C • rated value • hp 60 • at 460 V / at 3-phase root switching / at 50 °C • rated value • hp 125 Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | • rated value | W | 110,000 |
| at 50 °C / rated value at 230 V / at standard switching at 50 °C / rated value hp 30 at 460 V / at standard switching at 50 °C / rated value hp 75 at 200 V / at 3-phase root switching / at 50 °C rated value hp 50 at 230 V / at 3-phase root switching / at 50 °C rated value hp 60 at 460 V / at 3-phase root switching / at 50 °C rated value hp 60 at 460 V / at 3-phase root switching / at 50 °C rated value hp 125 Operating frequency rated value Hz 50 60 Relative negative tolerance / of the operating frequency 40 40 40 40 Relative positive tolerance / of the operating voltage / with standard circuit / rated value V 200 460 Relative positive tolerance / of the operating voltage / with standard circuit hp 15 Relative positive tolerance / of the operating voltage / with standard circuit w 15 Relative positive tolerance / of the operating voltage / with standard circuit w 15 | | | |
| at 230 V / at standard switching at 50 °C / rated value at 460 V / at standard switching at 50 °C / rated value hp 75 at 200 V / at 3-phase root switching / at 50 °C rated value at 230 V / at 3-phase root switching / at 50 °C rated value hp 50 at 230 V / at 3-phase root switching / at 50 °C rated value hp 60 at 460 V / at 3-phase root switching / at 50 °C rated value hp 125 Operating frequency rated value Hz 50 60 Relative negative tolerance / of the operating frequency Operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit **Total value** **Total v | • at 200 V / at standard switching | | |
| at 50 °C / rated value at 460 V / at standard switching at 50 °C / rated value hp 75 at 200 V / at 3-phase root switching / at 50 °C rated value hp 50 at 230 V / at 3-phase root switching / at 50 °C rated value hp 60 at 460 V / at 3-phase root switching / at 50 °C rated value hp 125 Operating frequency rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit rated value y 200 460 Relative positive tolerance / of the operating voltage / with standard circuit y 10 Relative positive tolerance / of the operating voltage / with standard circuit y 10 | • at 50 °C / rated value | hp | 30 |
| at 460 V / at standard switching at 50 °C / rated value at 200 V / at 3-phase root switching / at 50 °C rated value hp 50 at 230 V / at 3-phase root switching / at 50 °C rated value hp 60 at 460 V / at 3-phase root switching / at 50 °C rated value hp 125 Operating frequency rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit rated value Y 200 460 Relative negative tolerance / of the operating voltage / with standard circuit y 10 Relative positive tolerance / of the operating voltage / with standard circuit y 10 10 10 Relative positive tolerance / of the operating voltage / with standard circuit y 10 10 10 Relative positive tolerance / of the operating voltage / with standard circuit y 10 | • at 230 V / at standard switching | | |
| at 50 °C / rated value at 200 V / at 3-phase root switching / at 50 °C rated value hp 50 at 230 V / at 3-phase root switching / at 50 °C rated value hp 60 at 460 V / at 3-phase root switching / at 50 °C rated value hp 125 Operating frequency rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating voltage / with standard circuit / rated value Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | • at 50 °C / rated value | hp | 30 |
| at 200 V / at 3-phase root switching / at 50 °C at 230 V / at 3-phase root switching / at 50 °C at 230 V / at 3-phase root switching / at 50 °C at 460 V / at 3-phase root switching / at 50 °C at 460 V / at 3-phase root switching / at 50 °C at at 460 V / at 3-phase root switching / at 50 °C at at 460 V / at 3-phase root switching / at 50 °C at at 460 V / at 3-phase root switching / at 50 °C by 125 Operating frequency arrated value Hz 50 60 Relative negative tolerance / of the operating frequency At 10 Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit At 200 460 | • at 460 V / at standard switching | | |
| * rated value * at 230 V / at 3-phase root switching / at 50 °C * rated value * at 460 V / at 3-phase root switching / at 50 °C * rated value * hp * 60 Partiag frequency * rated value * rated value * bp * 125 Operating frequency * rated value * rated value * Hz * 50 60 Relative negative tolerance / of the operating frequency * 10 Operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit | • at 50 °C / rated value | hp | 75 |
| at 230 V / at 3-phase root switching / at 50 °C at 460 V / at 3-phase root switching / at 50 °C at 460 V / at 3-phase root switching / at 50 °C arated value hp 125 Operating frequency arated value Hz 50 60 Relative negative tolerance / of the operating frequency Operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit | at 200 V / at 3-phase root switching / at 50 °C | | |
| • rated value • at 460 V / at 3-phase root switching / at 50 °C • rated value hp 125 Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | • rated value | hp | 50 |
| • at 460 V / at 3-phase root switching / at 50 °C • rated value Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit **Total Company of the operating voltage / with standard circuit | \bullet at 230 V / at 3-phase root switching / at 50 °C | | |
| • rated value hp 125 Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency % -10 Relative positive tolerance / of the operating frequency % 10 Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit | • rated value | hp | 60 |
| Operating frequency • rated value Hz 50 60 Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating frequency Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit N 10 | at 460 V / at 3-phase root switching / at 50 °C | | |
| • rated value Relative negative tolerance / of the operating frequency Relative positive tolerance / of the operating frequency Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit Note to the operating voltage / with standard circuit Note to the operating voltage / with standard circuit Note to the operating voltage / with standard circuit | • rated value | hp | 125 |
| Relative negative tolerance / of the operating frequency % -10 Relative positive tolerance / of the operating frequency % 10 Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit % -15 Relative positive tolerance / of the operating voltage / with standard circuit % 10 | Operating frequency | | |
| Relative positive tolerance / of the operating frequency % 10 Operating voltage / with standard circuit / rated value V 200 460 Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit % 10 | • rated value | Hz | 50 60 |
| Operating voltage / with standard circuit / rated value Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of the operating voltage / with standard circuit* **Total Control of t | Relative negative tolerance / of the operating frequency | % | -10 |
| Relative negative tolerance / of the operating voltage / with standard circuit Relative positive tolerance / of the operating voltage / with standard circuit 10 | Relative positive tolerance / of the operating frequency | % | 10 |
| standard circuit Relative positive tolerance / of the operating voltage / with standard circuit 10 | Operating voltage / with standard circuit / rated value | V | 200 460 |
| standard circuit | | % | -15 |
| Operating voltage / at 3-phase root switching / rated value V 200 460 | | % | 10 |
| | Operating voltage / at 3-phase root switching / rated value | V | 200 460 |

| Relative negative tolerance / of the operating voltage / with inside-delta circuit | % | -15 |
|---|---|-----|
| Relative positive tolerance / of the operating voltage / with inside-delta circuit | % | 10 |
| Minimum load in % of I_M | % | 8 |
| Adjustable rated current / of the motor / for motor overload protection / minimum | А | 22 |
| Continuous operating current in % of I_e / at 40°C | % | 115 |
| Active power loss / with operating current / at 40°C / during operating phase / typical | W | 64 |

| Control electronics: | | |
|---|----|-----|
| Type of voltage / of the controlled supply voltage | | AC |
| Control supply voltage frequency / 1 / rated value | Hz | 50 |
| Control supply voltage frequency / 2 / rated value | Hz | 60 |
| Relative negative tolerance / of the control supply voltage frequency | % | -10 |
| Relative positive tolerance / of the control supply voltage frequency | % | 10 |
| Control supply voltage / 1 | | |
| • at 50 Hz / for AC | V | 230 |
| • at 60 Hz / for AC | V | 230 |
| Relative negative tolerance / of the control supply voltage / at 60 Hz / for AC | % | -15 |
| Relative positive tolerance / of the control supply voltage / at 60 Hz / for AC | % | 10 |

| Mechanical design: | | |
|--|----|---|
| Width | mm | 170 |
| Height | mm | 200 |
| Depth | mm | 270 |
| Type of mounting | | screw fixing |
| Built in orientation | | bei senkrechter Montageebene +/-90° drehbar, bei senkrechter Montageebene +/- 22,5° nach vorne und hinten kippbar |
| Distance, to be maintained, to the ranks assembly | | |
| • upwards | mm | 100 |
| • sidewards | mm | 5 |
| • downwards | mm | 75 |
| Altitude of installation site / at a height over sea level | m | 5,000 |
| Cable length / maximum | m | 500 |
| Number of poles / for main current circuit | | 3 |

Electrical connections

| Dealing of the allestated assurantless | |
|--|---------------------------|
| Design of the electrical connection | |
| for main current circuit | busbar connection |
| for auxiliary and control current circuit | screw-type terminals |
| Number of NC contacts / for auxiliary contacts | 0 |
| Number of NO contacts / for auxiliary contacts | 3 |
| Number of change-over switches / for auxiliary contacts | 1 |
| Type of the connectable conductor cross section / for main contacts / for box terminal / when using the front clamping point | |
| finel y stranded/ with conductor end processing | 16 70 mm2 |
| finel y stranded/ without conductor end processing | 16 70 mm2 |
| • stran ded | 16 70 mm2 |
| Type of the connectable conductor cross-section / for main contacts / for box terminal / when using the back clamping point | |
| finely stranded/ with conductor end processing | 16 70 mm2 |
| withou t conductor final cutting / without conductor end processing | 16 70 mm2 |
| • strand ed | 16 70 mm2 |
| Type of the connectable conductor cross-section / for main contacts / for box terminal / when using both clamping points | |
| finely strande d/ with conductor end processing | max. 1x 50 mm2, 1x 70 mm2 |
| without conductor end processing | max. 1x 50 mm2, 1x 70 mm2 |
| • stranded | max. 2x 70 mm2 |
| Type of the connectable conductor cross-section / for AWG conductors / for main contacts / for box terminal | |
| when using the back cl amping point | 6 2/0 |
| when using the front c lamping point | 6 2/0 |
| when using both clampi ng points | max. 2x 1/0 |
| Type of the connectable conductor cross-section / for DIN cable lug / for main contacts | |
| • finely stranded | 16 95 mm2 |
| • stranded | 25 120 mm2 |
| Type of the connectable conductor cross-section | |
| for AWG conductors / for main contacts | 4 250 kcmil |
| Type of the connectable conductor cross-section | |

• for auxiliary contacts

• solid

• finely stranded / with conductor end processing

• for AWG conductors / for auxiliary contacts

• finely stranded / with wire end proc essing

| 2x (0.5 2.5 mm2) |
|------------------|
| 2x (0.5 1.5 mm2) |
| 2x (20 14) |
| 2x (20 16) |
| |

| Ambient conditions: | | |
|----------------------------|------|--------|
| Ambient temperature | | |
| during the operating phase | / °C | 60 |
| during storage | °C | -25 80 |
| Derating temperature | °C | 40 |
| Protection class IP | | IP00 |

Certificates/approvals:

General Product Approval Test Certificates

Manufacturer

Shipping Approval other

PRS Manufacturer

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator

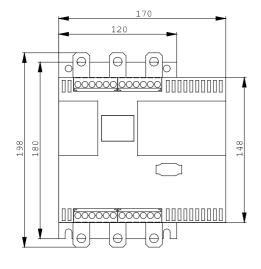
http://www.siemens.com/cax

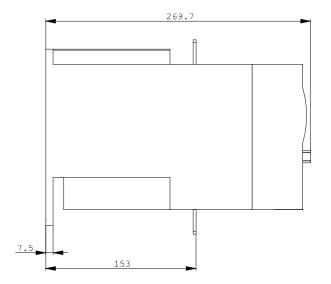
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

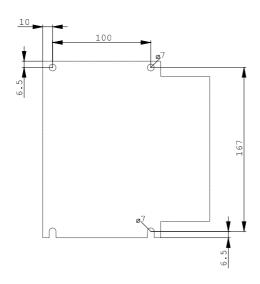
http://support.automation.siemens.com/WW/view/en/3RW4434-6BC44/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RW4434-6BC44







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