## **SIEMENS**

Data sheet 3RH2271-1AK60



contactor relay, 7 NO + 1 NC, 110 V AC, 50 Hz / 120 V, 60 Hz, size S00, screw terminal, captive auxiliary switch

| product brand name   | SIRIUS                     |
|--|----------------------------|
| product designation  | Auxiliary contactor        |
| product type designation   | 3RH2                       |
| General technical data   |                            |
| size of contactor  | S00                        |
| product extension auxiliary switch   | No                         |
| 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 at rectangular impulse  |                            |
| • at AC  | 7,3g / 5 ms, 4,7g / 10 ms  |
| shock resistance with sine pulse   |                            |
| • at AC  | 11,4g / 5 ms, 7,3g / 10 ms |
| mechanical service life (switching cycles)                                     |                            |
| of contactor typical   | 10 000 000                 |
| reference code according to IEC 81346-2  | K                          |
| Substance Prohibitance (Date)  | 10/01/2009                 |
| Ambient conditions   |                            |
| installation altitude at height above sea level maximum                        | 2 000 m                    |
| ambient temperature  |                            |
| <ul><li>during operation</li></ul>   | -25 +60 °C                 |
| during storage   | -55 +80 °C                 |
| relative humidity minimum  | 10 %                       |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum                 | 95 %                       |
| Main circuit   |                            |
| no-load switching frequency  |                            |
| • at AC  | 10 000 1/h                 |
| • at DC  | 10 000 1/h                 |
| Control circuit/ Control   |                            |
| type of voltage of the control supply voltage                                  | AC                         |
| control supply voltage at AC   |                            |
| ● at 50 Hz rated value   | 110 V                      |
| ● at 60 Hz rated value   | 120 V                      |
| control supply voltage frequency   |                            |
| • 1 rated value  | 50 Hz                      |
| • 2 rated value  | 60 Hz                      |
| operating range factor control supply voltage rated value of magnet coil at AC |                            |

| apparent pick-up power of magnet coil at AC inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil closing delay and AC and AC arcing time at Ac arcing time arcine arc                               |   |           |
|--|---|-----------|
| Inductive power factor with closing power of the coll apparent holding power of apparent holding power of the coll coll coll coll coll coll coll col   |   |           |
| apparent holdling power of magnet coll at AC   0,25  |   | 37 VA     |
| Inductive power factor with the holding power of the coil   closing delay   * at AC   8 33 ms  | inductive power factor with closing power of the coil | 0.8       |
| colin delay  |   | 5.7 VA    |
|  |   | 0.25      |
| ■ et AC  | closing delay   |           |
| a at AC arcing time  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact 1 number of NO contacts for suxiliary contacts instantaneous contact 7 Identification number and letter for switching elements operational current at AC-12 maximum 10 A operational current at T current path at DC-12 at 400 V rated value 2 A at 500 V rated value 1 A at 200 V rated value 1 A at 400 V rate                               | • at AC   | 8 33 ms   |
| Auxiliary circuit  | opening delay   |           |
| Auxiliary circuit   number of NC contacts for auxiliary contacts   1   | • at AC   | 4 15 ms   |
| Instantaneous contact   1  | arcing time   | 10 15 ms  |
| • instantaneous contact   1  | Auxiliary circuit                                     |           |
| • instantaneous contact   1   1   1   1   1   1   1   1   1  | number of NC contacts for auxiliary contacts          | 1         |
| instantaneous contact  |   | 1         |
| instantaneous contact   7     identification number and letter for switching   71     coperational current at AC-12 maximum   10 A     operational current at AC-15     at 230 V rated value   6 A     at 400 V rated value   2 A     at 500 V rated value   1 A     operational current at AC-16   1 A     operational current at 1 current path at DC-12     at 24 V rated value   1 A     operational current at 1 current path at DC-12     at 24 V rated value   1 A     at 110 V rated value   3 A     at 120 V rated value   1 A     at 120 V rated value   0.3 A     at 120 V rated value   0.15 A     operational current with 2 current paths in series at DC-12     at 24 V rated value   10 A     at 110 V rated value   10 A     at 110 V rated value   2 A     at 120 V rated value   3 A     at 120 V rated value   10 A     at 140 V rated value   2 A     at 140 V rated value   3 A     at 140 V rated value   10 A     at 160 V rated value   10 A     at 120 V rated value   10 A     at 120 V rated value   10 A     at 140 V rated value   0.3 A     at 140                                 | number of NO contacts for auxiliary contacts          | 7         |
| elements   | _   | 7         |
| a transmission   Section                                 |   | 71 E      |
| * at 230 V rated value   | operational current at AC-12 maximum                  | 10 A      |
|  |   |           |
|  | •   | 6 A       |
| at 690 V rated value   | at 400 V rated value                                  | 3 A       |
| operational current at 1 current path at DC-12   | at 500 V rated value                                  | 2 A       |
|  | at 690 V rated value                                  | 1 A       |
|  | operational current at 1 current path at DC-12        |           |
| at 220 V rated value     at 440 V rated value     at 600 V rated value     operational current with 2 current paths in series at DC-12     at 24 V rated value     at 600 V rated value     at 600 V rated value     at 600 V rated value     at 110 V rated value     at 220 V rated value     at 440 V rated value     at 220 V rated value     at 600 V rated value     at 220 V rated value     at 24 V rated value     at 25 A     at 440 V rated value     at 25 A     at 440 V rated value     at 25 A     at 440 V rated value     at 220 V rated va                                     |   | 10 A      |
|  | at 110 V rated value                                  | 3 A       |
| • at 600 V rated value  operational current with 2 current paths in series at DC-12  • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 110 V rated value • at 100 A • at 220 V rated value • at 100 A • at 220 V rated value • at 110 V rated value • at 220 V rated value • at 240 V rated value • at 250 V rated value • at 200 V rated value • at 600 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 60 V rated value   | at 220 V rated value                                  | 1 A       |
| Operational current with 2 current paths in series at DC-12  | at 440 V rated value                                  | 0.3 A     |
| DC-12  • at 24 V rated value • at 60 V rated value • at 1110 V rated value • at 1110 V rated value • at 220 V rated value • at 240 V rated value • at 440 V rated value • at 460 V rated value • at 600 V rated value  operational current with 3 current paths in series at DC-12  • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 24 V rated value • at 25 V rated value • at 26 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value   | at 600 V rated value                                  | 0.15 A    |
| <ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 4 A</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>o.65 A</li> </ul> Operational current with 3 current paths in series at DC-12 <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 6A</li> <li>at 110 V rated value</li> <li>at 6A</li> <li>at 10 V rated value</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> <li>at 20 V rated value</li> <li>at 10 V rated value</li> <li>at 10 V rated value</li> <li>at 20 V rated value</li> <li< th=""><th></th><th></th></li<></ul> |   |           |
| <ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 24 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated v</li></ul>                     | <ul> <li>at 24 V rated value</li> </ul>               | 10 A      |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 24 V rated value</li> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 24 V rated value</li> <li>3.5 A</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>3.5 A</li> <li>at 110 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 20 V rated value</li> </ul>   | <ul> <li>at 60 V rated value</li> </ul>               | 10 A      |
| <ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>0.65 A</li> <li>operational current with 3 current paths in series at DC-12</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 60 V rated value</li> <li>at 24 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> </ul>  | at 110 V rated value                                  | 4 A       |
| • at 600 V rated value  operational current with 3 current paths in series at DC-12  • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value  operating frequency at DC-12 maximum  operational current at 1 current path at DC-13 • at 24 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 440 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value  operational current with 2 current paths in series at DC-13 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 220 V rated value   | at 220 V rated value                                  | 2 A       |
| operational current with 3 current paths in series at DC-12  • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value  operating frequency at DC-12 maximum  operational current at 1 current path at DC-13 • at 24 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value  operational current with 2 current paths in series at DC-13 • at 24 V rated value  operational current with 2 current paths in series at DC-13 • at 24 V rated value • at 60 V rated value • at 220 V rated value   | • at 440 V rated value                                | 1.3 A     |
| DC-12       • at 24 V rated value       10 A         • at 60 V rated value       10 A         • at 110 V rated value       10 A         • at 220 V rated value       3.6 A         • at 440 V rated value       2.5 A         • at 600 V rated value       1.8 A         operating frequency at DC-12 maximum       1 000 1/h         operational current at 1 current path at DC-13       6 A         • at 24 V rated value       1 A         • at 220 V rated value       0.3 A         • at 440 V rated value       0.14 A         • at 600 V rated value       0.1 A         operational current with 2 current paths in series at DC-13       0.1 A         • at 24 V rated value       10 A         • at 60 V rated value       3.5 A         • at 110 V rated value       3.5 A         • at 110 V rated value       1.3 A         • at 220 V rated value       0.9 A   | <ul> <li>at 600 V rated value</li> </ul>              | 0.65 A    |
| <ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 25 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 35 A</li> <li>at 110 V rated value</li> <li>at 13 A</li> <li>at 220 V rated value</li> <li>at 2</li></ul>                     |   |           |
| <ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>1.8 A</li> </ul> Operating frequency at DC-12 maximum <ul> <li>1 000 1/h</li> </ul> Operational current at 1 current path at DC-13 <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>at 24 V rated value</li> <li>at 3.5 A</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 13 A</li> <li>at 220 V rated value</li> </ul>   | <ul> <li>at 24 V rated value</li> </ul>               | 10 A      |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>1.8 A</li> <li>operating frequency at DC-12 maximum</li> <li>1 000 1/h</li> <li>operational current at 1 current path at DC-13</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>on 14 A</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>on 1 A</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> </ul>   | <ul> <li>at 60 V rated value</li> </ul>               | 10 A      |
| <ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>1.8 A</li> <li>operating frequency at DC-12 maximum</li> <li>1 000 1/h</li> <li>operational current at 1 current path at DC-13</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>on 1 A</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> </ul>  | <ul> <li>at 110 V rated value</li> </ul>              | 10 A      |
| <ul> <li>at 600 V rated value</li> <li>operating frequency at DC-12 maximum</li> <li>1 000 1/h</li> <li>operational current at 1 current path at DC-13</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 10 A</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>  | <ul> <li>at 220 V rated value</li> </ul>              | 3.6 A     |
| operating frequency at DC-12 maximum  operational current at 1 current path at DC-13  • at 24 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value  operational current with 2 current paths in series at DC-13  • at 24 V rated value  10 A • at 60 V rated value  10 A • at 110 V rated value  3.5 A • at 110 V rated value • at 220 V rated value  o at 220 V rated value  0.9 A   | <ul> <li>at 440 V rated value</li> </ul>              | 2.5 A     |
| operational current at 1 current path at DC-13  • at 24 V rated value • at 110 V rated value • at 220 V rated value • at 440 V rated value • at 600 V rated value  operational current with 2 current paths in series at DC-13  • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 20 V rated value  | at 600 V rated value                                  | 1.8 A     |
| <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>   | operating frequency at DC-12 maximum                  | 1 000 1/h |
| <ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>  | operational current at 1 current path at DC-13        |           |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>10 A</li> <li>3.5 A</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>  | at 24 V rated value                                   | 6 A       |
| <ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>0.14 A</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>   | <ul> <li>at 110 V rated value</li> </ul>              | 1 A       |
| <ul> <li>at 600 V rated value</li> <li>operational current with 2 current paths in series at DC-13</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.1 A</li> <li>10 A</li> <li>13 A</li> <li>13 A</li> <li>13 A</li> <li>10 A</li> &lt;</ul>                       | <ul><li>at 220 V rated value</li></ul>                | 0.3 A     |
| operational current with 2 current paths in series at DC-13  • at 24 V rated value  • at 60 V rated value  • at 110 V rated value  • at 220 V rated value  0.9 A   | at 440 V rated value                                  | 0.14 A    |
| <ul> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>  | at 600 V rated value                                  | 0.1 A     |
| <ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>   |   |           |
| <ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.9 A</li> </ul>  | <ul> <li>at 24 V rated value</li> </ul>               | 10 A      |
| • at 220 V rated value 0.9 A   | <ul> <li>at 60 V rated value</li> </ul>               | 3.5 A     |
|  | <ul> <li>at 110 V rated value</li> </ul>              | 1.3 A     |
| • at 440 V rated value 0.2 A   | <ul> <li>at 220 V rated value</li> </ul>              | 0.9 A     |
|  | • at 440 V rated value                                | 0.2 A     |

| at COO V rated value  | 0.4.4   |
|---|---|
| at 600 V rated value  | 0.1 A   |
| operational current with 3 current paths in series at DC-13             |   |
| at 24 V rated value   | 10 A  |
| • at 60 V rated value   | 4.7 A   |
|   |   |
| • at 110 V rated value  | 3 A   |
| at 220 V rated value  | 1.2 A   |
| <ul> <li>at 440 V rated value</li> </ul>                                | 0.5 A   |
| at 600 V rated value  | 0.26 A  |
| operating frequency at DC-13 maximum                                    | 1 000 1/h   |
| design of the miniature circuit breaker for short-circuit               | C characteristic: 6 A; 0.4 kA   |
| protection of the auxiliary circuit up to 230 V                         |   |
| contact reliability of auxiliary contacts                               | 1 faulty switching per 100 million (17 V, 1 mA)                       |
| UL/CSA ratings  |   |
| contact rating of auxiliary contacts according to UL                    | A600 / Q600   |
| Short-circuit protection  |   |
| design of the fuse link for short-circuit protection of the             | fuse gL/gG: 10 A  |
| auxiliary switch required   |   |
| Installation/ mounting/ dimensions                                      |   |
| mounting position   | +/-180° rotation possible on vertical mounting surface; can be tilted |
|   | forward and backward by +/- 22.5° on vertical mounting surface        |
| fastening method  | screw and snap-on mounting onto 35 mm standard mounting rail          |
| height  | 57.5 mm   |
| width   | 45 mm   |
| depth   | 117 mm  |
| required spacing  |   |
| with side-by-side mounting  |   |
| — forwards  | 10 mm   |
| — upwards   | 10 mm   |
| — downwards   | 10 mm   |
| — at the side   | 0 mm  |
| for grounded parts  | C TITLE   |
| — forwards  | 10 mm   |
|   |   |
| — upwards   | 10 mm   |
| — at the side   | 6 mm  |
| — downwards   | 10 mm   |
| • for live parts  |   |
| — forwards  | 10 mm   |
| — upwards   | 10 mm   |
| — downwards   | 10 mm   |
| — at the side   | 6 mm  |
| Connections/ Terminals  |   |
| type of electrical connection for auxiliary and control circuit         | screw-type terminals  |
| type of connectable conductor cross-sections                            |   |
| for auxiliary contacts  |   |
| — solid or stranded   | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²                         |
| finely stranded with core end processing                                | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)                                   |
| at AWG cables for auxiliary contacts                                    | 2x (20 16), 2x (18 14), 2x 12   |
| Safety related data   | ( ··· · · · · ), ( · · · · · · ), · · · · ·                           |
|   | 1,000,000: With 0,2 x lo  |
| B10 value with high demand rate according to SN 31920                   | 1 000 000; With 0.3 x le  |
| proportion of dangerous failures  | 40.07   |
| with low demand rate according to SN 31920                              | 40 %  |
| with high demand rate according to SN 31920                             | 73 %  |
| failure rate [FIT] with low demand rate according to SN                 | 100 FIT   |
| 31920   | 20 v  |
| T1 value for proof test interval or service life according to IEC 61508 | 20 y  |
| 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                      |
| Certificates/ approvals   |   |
| - Transactor approvais  |   |





Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other



Confirmation



## Further information

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=3RH2271-1AK60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2271-1AK60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2271-1AK60

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

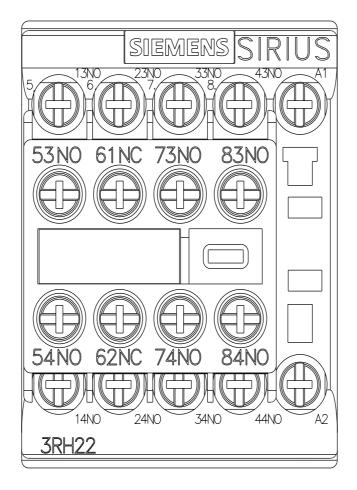
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2271-1AK60&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RH2271-1AK60/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2271-1AK60&objecttype=14&gridview=view1



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