## SIEMENS

## Data sheet

## 3RT1266-6AP36



vacuum contactor AC-3e/AC-3 300 A, 160 kW / 400 V, 3-pole, Uc: 220-240 V AC(50-60 Hz) / DC drive: conventional auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

| product brand name  | SIRIUS                     |
|---|----------------------------|
| product designation   | Vacuum contactor           |
| product type designation  | 3RT12                      |
| General technical data  |                            |
| size of contactor   | S10                        |
| product extension   |                            |
| <ul> <li>function module for communication</li> </ul>   | No                         |
| auxiliary switch  | Yes                        |
| power loss [W] for rated value of the current   |                            |
| <ul> <li>at AC in hot operating state</li> </ul>  | 42 W                       |
| <ul> <li>at AC in hot operating state per pole</li> </ul>   | 14 W                       |
| <ul> <li>without load current share typical</li> </ul>  | 8.2 W                      |
| insulation voltage  |                            |
| <ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>                                      | 1 000 V                    |
| <ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>                                 | 500 V                      |
| surge voltage resistance  |                            |
| <ul> <li>of main circuit rated value</li> </ul>   | 8 kV                       |
| <ul> <li>of auxiliary circuit rated value</li> </ul>  | 6 kV                       |
| maximum permissible voltage for protective separation between<br>coil and main contacts according to EN 60947-1 | 690 V                      |
| shock resistance at rectangular impulse   |                            |
| • at AC   | 8,5g / 5 ms, 4,2g / 10 ms  |
| • at DC   | 8,5g / 5 ms, 4,2g / 10 ms  |
| shock resistance with sine pulse  |                            |
| • at AC   | 13,4g / 5 ms, 6,5g / 10 ms |
| • at DC   | 13,4g / 5 ms, 6,5g / 10 ms |
| mechanical service life (operating cycles)  |                            |
| <ul> <li>of contactor typical</li> </ul>  | 10 000 000                 |
| <ul> <li>of the contactor with added electronically optimized<br/>auxiliary switch block typical</li> </ul>     | 5 000 000                  |
| <ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>                                  | 10 000 000                 |
| reference code according to IEC 81346-2   | Q                          |
| Substance Prohibitance (Date)   | 05/01/2012                 |
| Ambient conditions  |                            |
| installation altitude at height above sea level maximum   | 2 000 m                    |
| ambient temperature   |                            |
| during operation  | -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 %                       |

| lain circuit   | 2                   |
|--|---------------------|
| number of poles for main current circuit                                   | 3                   |
| number of NO contacts for main contacts                                    | 3                   |
| operating voltage  |                     |
| <ul> <li>at AC-3 rated value maximum</li> </ul>                            | 1 000 V             |
| <ul> <li>at AC-3e rated value maximum</li> </ul>                           | 1 000 V             |
| operational current  |                     |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value                | 330 A               |
| • at AC-1  |                     |
| — up to 690 V at ambient temperature 40 °C rated value                     | 330 A               |
| — up to 690 V at ambient temperature 60 °C rated value                     | 300 A               |
| — up to 1000 V at ambient temperature 40 °C rated value                    | 330 A               |
| — up to 1000 V at ambient temperature 60 °C rated value                    | 300 A               |
| • at AC-3  |                     |
| — at 400 V rated value   | 300 A               |
| — at 500 V rated value   | 300 A               |
| — at 690 V rated value   | 300 A               |
| — at 1000 V rated value  | 300 A               |
| • at AC-3e   |                     |
| — at 400 V rated value   | 300 A               |
| — at 500 V rated value   | 300 A               |
| — at 690 V rated value   | 300 A               |
| — at 1000 V rated value  | 300 A               |
| • at AC-4 at 400 V rated value   | 280 A               |
| • at AC-6a   |                     |
| <ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>  | 300 A               |
| <ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>  | 300 A               |
| <ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>  | 300 A               |
| <ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>  | 300 A               |
| — up to 1000 V for current peak value n=20 rated value                     | 300 A               |
| • at AC-6a   |                     |
| <ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>  | 209 A               |
| <ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>    | 209 A               |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>    | 209 A               |
| <ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>  | 209 A               |
| <ul> <li>— up to 1000 V for current peak value n=30 rated value</li> </ul> | 209 A               |
| minimum cross-section in main circuit at maximum AC-1 rated value          | 185 mm <sup>2</sup> |
| operational current for approx. 200000 operating cycles at AC-4            |                     |
| • at 400 V rated value   | 140 A               |
| • at 690 V rated value   | 140 A               |
| operating power  |                     |
| • at AC-3  |                     |
| — at 230 V rated value   | 90 kW               |
| — at 400 V rated value   | 160 kW              |
| — at 500 V rated value   | 200 kW              |
| — at 690 V rated value   | 250 kW              |
| — at 1000 V rated value  | 400 kW              |
| • at AC-3e   |                     |
| — at 230 V rated value   | 90 kW               |
| — at 400 V rated value   | 160 kW              |
| — at 500 V rated value   | 200 kW              |
| — at 690 V rated value   | 250 kW              |
| — at 1000 V rated value  | 400 kW              |
| operating power for approx. 200000 operating cycles at AC-                 |                     |

| • ait 400 Vraide value75 kW• ait 800 Vraide value138 kW• up to 230 V for current pack value n=20 rated value20000 VA• up to 500 V for current pack value n=20 rated value20000 VA• up to 500 V for current pack value n=20 rated value50000 VA• up to 500 V for current pack value n=20 rated value50000 VA• up to 500 V for current pack value n=20 rated value50000 VA• up to 500 V for current pack value n=20 rated value50000 VA• up to 500 V for current pack value n=20 rated value20000 VA• up to 500 V for current pack value n=20 rated value20000 VA• up to 500 V for current pack value n=30 rated value20000 VA• up to 500 V for current pack value n=30 rated value20000 VA• up to 500 V for current pack value n=30 rated value20000 VA• up to 500 V for current pack value n=30 rated value20000 VA• up to 500 V for current pack value n=30 rated value20000 VA• up to 500 V for current pack value n=30 rated value20000 VA• up to 500 V for current pack value n=30 rated value2000 VA• ait AC-3 maxim750 1h• ait AC-3 max   | <ul> <li>at 400 V rated value</li> </ul>   |   |
|---|--|---|
| operating spacer of yower at A-C-faview bit A-C-fa• up bit 200 V for current peak value =>20 rand value200 000 VA• up bit 300 V for current peak value =>20 rand value200 000 VA• up bit 300 V for current peak value =>20 rand value300 000 VA• up bit 300 V for current peak value =>20 rand value300 000 VA• up bit 300 V for current peak value =>20 rand value300 000 VA• up bit 300 V for current peak value =>30 rand value140 000 VA• up bit 300 V for current peak value =>30 rand value140 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value =>30 rand value200 000 VA• up bit 300 V for current peak value200 000 VA </td <td></td> <td></td>   |  |   |
| •••••••••••••••••••••••••••••••••••   |  | 138 kW  |
| •• up b 400 V for current pack value n-20 rated value200 000 VA•• up b 500 V for current pack value n-20 rated value350 000 VA•• up b 1000 V for current pack value n-20 rated value80 000 VA•• up b 200 V for current pack value n-20 rated value80 000 VA•• up b 200 V for current pack value n-20 rated value80 000 VA•• up b 200 V for current pack value n-20 rated value80 000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 V for current pack value n-20 rated value2000 VA•• up b 200 Value200 VA•• up b 200   |  |   |
| •• up to SDU V for current pack value n=20 rated value260 000 VA•• up to SDU V for current pack value n=20 rated value260 000 VA•• up to SDU V for current pack value n=30 rated value80 000 VA•• up to SDU V for current pack value n=30 rated value200 000 VA•• up to SDU V for current pack value n=30 rated value200 000 VA•• up to SDU V for current pack value n=30 rated value200 000 VA•• up to SDU V for current pack value n=30 rated value200 000 VA•• up to SDU V for current pack value n=30 rated value200 00 VA•• up to SDU V for current pack value n=30 rated value200 00 VA•• up to SDU V for current pack value n=30 rated value200 00 VA•• up to SDU V for current pack value n=30 rated value200 00 VA•• up to SDU V for current pack value n=30 rated value200 00 VA•• up to SDU V for current pack value n=30 rated value200 00 VA•• up to SDU V for current pack value n=30 rated value200 VA•• up to SDU V for current pack value n=30 rated value200 VA•• up to SDU V for current pack value n=30 rated value200 VA•• up to SDU V for current pack value n=30 rated value200 VA•• up to SDU Value200 VA   | <ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>  | 120 000 kVA   |
| ••• up to 500 V for current peak value m-20 rando value360 000 VAoperating apparent power at AC-6a80 000 VA••• up to 200 V for current peak value m-30 rando value80 000 VA••• up to 500 V for current peak value m-30 rando value100 000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando value2000 VA••• up to 500 V for current peak value m-30 rando Value2000 VA••• up to 500 V for current peak value m-30 rando Value200 VA••• up to 500 V for current peak value200 VA••• up to 100 V to 500 Value method200 VA••• up to 500 Value method Value200 VA••• up to 500 Value method Value200 VA••• up to 100 Value method Value200 VA••• up to 100 Value method Value200 VA••• up to to face current sub Value method  |  | 200 000 VA  |
| • op 1000 V for current pack value n=0 rated value5000 VAoperating apparent power at AC-6a8000 VA• up to 20 V for current pack value n=0 rated value10000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 1000 V for current pack value n=0 rated value2000 VA• up to 1000 V for current pack value n=0 rated value2000 VA• up to 1000 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value750 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rated value2000 VA• up to 500 V for current pack value n=0 rate value2000 VA• up to 500 V for current pack value n=0 rate value2000 VA• up to 500 V for current pack value n=0 rate value2000 VA• up to 500 V for current pack value n=0 rate value2000 VA• up to 500 V for current pack value n=0 rate value2000 VA• up to 500 V for current pack value n=0 rate value2000 VA <td><ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul></td> <td>260 000 VA</td>  | <ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>  | 260 000 VA  |
| operating apparent power at AC-6a• up to 230' for current pack value m-30 rated value140 000 VA• up to 500' for current pack value m-30 rated value180 000 VA• up to 500' for current pack value m-30 rated value250 000 VA• up to 600' Vor current pack value m-30 rated value20000 VA• up to 600' Vor current pack value m-30 rated value20000 VA• up to 600' Vor current pack value m-30 rated value2000 VA• el AC-2000 Th• el AC-200 Th <t< td=""><td><ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul></td><td>350 000 VA</td></t<>  | <ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>  | 350 000 VA  |
| • ip 2.30 V for current peak value n=30 rated value80 000 VA• up to 500 V for current peak value n=30 rated value80 000 VA• up to 500 V for current peak value n=30 rated value200 000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value2000 VA• up to 100 V for current peak value n=30 rated value200 VA• up to 100 V for current peak value n=30 rated value200 VA• up to 100 Value200 VA• up to 100 Value220240 V• up to 100 Value220240 V• up to 100 Value0.8• up to 100 Value0.9• up to 100 Value0.9• u   | <ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>   | 520 000 VA  |
| •• (p b 400 V for current pask value m-30 rated value140 000 VA•• (p b 500 V for current pask value m-30 rated value300 000 VA•• (p b 1000 V for current pask value m-30 rated value300 000 VA•• (p b 1000 V for current pask value m-30 rated value300 000 VA•• (p b 1000 V for current pask value m-30 rated value300 000 VA•• (p b 1000 V for current pask value m-30 rated value2000 VA•• (p b 1000 V for current pask value m-30 rated value2000 VA•• (p b 1000 V for current pask value m-30 rated value2000 VA•• (p b 1000 V for current pask value m-30 rated value750 Vh•• (p b 1000 V for current pask value m-30 rated value750 Vh•• (p b 1000 V for current pask value m-30 rated value250 Vh•• (p f value)250 Vh•• (p f value)08•• (p f value)08 </td <td>operating apparent power at AC-6a</td> <td></td>   | operating apparent power at AC-6a  |   |
| n<br>   | <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>  | 80 000 VA   |
| • up to P600 V for current pask value m30 rated value260 000 VA• up to 1000 V for current pask value m30 rated value2000 VA• e1AC2000 VA• e1AC200 VA• e1AC0.8• e1AC0.8   | <ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>  | 140 000 VA  |
| ip in 1000 V for current peak value n=30 rated value360 000 VAno-load witching frequency2000 1hit AC2000 1hit AC2000 1hit AC700 Vhit AC-2 maximum250 1hit AC-2 maximum250 1hit AC-2 maximum750 Vhit AC-2 maximum250 1hit AC-2 maximum0.3it AC-2 maximum0.3it AC-2 maximum0.3it AC-2 maximum0.4it AC-2 maxim  | <ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>  | 180 000 VA  |
| no-local whiching frequencyNo• at AC2000 1/hoperating frequency2000 1/h• at AC-1 maximum750 1/h• at AC-2 maximum250 1/h• at AC-3 maximum250 1/h• at AC-4 maximum220240 V• at AC-4 maximum220240 V• at AC 4 rated value220240 V• at AC 4 rated value0.8• at AC 40.9• at AC 40.9 <t< td=""><td><ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul></td><td>250 000 VA</td></t<>   | <ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>  | 250 000 VA  |
| • • It AC2000 1h• • et RC2000 1h• • et RC2000 1h• • et RC750 1h• • et RC750 1h• • et RC750 1h• et RC80 1h• et RC<  | <ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>   | 360 000 VA  |
| • a1DC2000 thoperating frequency750 th• a1 AC-2 maximum750 th• a1 AC-2 maximum750 th• a1 AC-3 maximum750 th• a1 AC-3 maximum750 th• a1 AC-4 maximum750 th• a1 AC-4 maximum20 th• a1 AC-4 maximum0.8 th• a1 AC-4 maximum0.9 th• a1  | no-load switching frequency  |   |
| operating frequency• at AC-1 maximum750 1/h• at AC-1 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-3 maximum0.8• at AC-3 maximum0.8• at AC-3 maximum0.8• at AC-3 maximum0.8• at AC-1 at AC-0.8• at AC-3 maximum0.8• at AC-3 maximum0.9• at AC-40.9• at AC+4 <td></td> <td>2 000 1/h</td>  |  | 2 000 1/h   |
| • st AC-1 maximum760 1/h• st AC-2 maximum250 1/h• st AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum750 1/h• at AC-4 maximum20240 V• at 00 1/z rated value20240 V• ontrol supply voltage rated value20240 V• ontrol supply voltage rated value750 1/h• at 60 1/k20.8 1.1• at 60 1/k20.8 1.1• at 60 1/k20.8 1.1• at 60 1/k20.9 1• at   | • at DC  | 2 000 1/h   |
| • st AC-1 maximum760 1/h• st AC-2 maximum250 1/h• st AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum750 1/h• at AC-4 maximum20240 V• at 00 1/z rated value20240 V• ontrol supply voltage rated value20240 V• ontrol supply voltage rated value750 1/h• at 60 1/k20.8 1.1• at 60 1/k20.8 1.1• at 60 1/k20.8 1.1• at 60 1/k20.9 1• at   | operating frequency  |   |
| • al AC-2 maximum250 1h• al AC-3 maximum750 1h• al AC-4 maximum260 1h• al AC-4 maximum260 1h• al AC-4 maximum260 1h• al ad AC-4 maximum260 1h• al so Hz rated valueAC/CC• al so Hz rated value220 240 V• al so Hz rated value220 240 V• al so Hz rated value220 240 V• al so Hz rated value0.8• al so Hz rated value0.8• al so Hz rated value0.8• al so Hz0.8• initial value0.8• initial value0.9• initial value0.9• initial value0.9• initial value0.9• initial value0.9• initial value0.9• initial value0.9 <td></td> <td>750 1/h</td>  |  | 750 1/h   |
| • at AC-3 maximum750 1/h• at AC-3e maximumAC/DC• control supply voltage at AC20• at 50 H2 rated value220 240 V• at 60 H2 rated value220 240 V• orated value220 240 V• arated value220 240 V• arated value0.8• arated value0.9• arated value0.9• arated value0.9• arated value0.9• arated value or magnet coil at AC1.1• arated value or oragenet coil at AC0.9• arated value0.9• arated value <td< td=""><td></td><td></td></td<>  |  |   |
| • at AC-3e maximum750 1/h• at AC-4 maximumZ50 1/hControl circuit/ ControlXC/ICC• at S0 Hz rated valueAC/ICC• at S0 Hz rated valueZ20 240 V• at S0 Hz rated valueZ20 240 V• at R0 Hz rated value0.8• infial value0.8• infial value0.8• infial value0.8• at S0 Hz0.8• at S0 Hz590 VA• at S0 Hz590 VA• at S0 Hz0.9• at S0 Hz <td></td> <td></td>  |  |   |
| • at AC-4 maximum250 1/hControl supply voltage at ACAC/DC• at 50 Hz rated value220240 V• at 50 Hz rated value220240 V• at 60 Hz rated value0.8• initial value0.9• initial value0.9  |  |   |
| Control circuit/ Control         Second |  |   |
| type of voltage of the control supply voltage         AC/DC           control supply voltage at AC         220 240 V           • at 50 Hz rated value         220 240 V           control supply voltage at DC         220 240 V           • rated value         220 240 V           control supply voltage at DC         220 240 V           • rated value         220 240 V           operating range factor control supply voltage rated value of magnet coll at DC         0.8           • initial value         1.1           operating range factor control supply voltage rated value of magnet coll at AC         0.8 1.1           • at 50 Hz         0.8 1.1           • at 50 Hz         0.8 1.1           • at 50 Hz         0.9 VA           • at 60 Hz         0.9           • at 60 Hz         0.9 <tr< td=""><td></td><td></td></tr<>   |  |   |
| Control supply voltage at ACControl supply voltage at AC• at 50 Hz rated value220 240 V• at 60 Hz rated value220 240 V• arated value0• arated value0• arated value0.8• arated value1.1• arated value0.8• arated value0.9• arated value0.9<   |  |   |
| • at 50 Hz rated value220 240 V• at 60 Hz rated value220 240 Vcontrol supply voltage at DC220 240 V• arated value220 240 Voperating range factor control supply voltage rated value of<br>magnet coil at DC0.8• initial value0.8• initial value0.8• initial value0.8• initial value0.8• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.9 VA• at 60 Hz0   |  | AC/DC   |
| • at 60 Hz rated value220 240 Vcontrol supply voltage at DC<br>• rated value220 240 Voperating range factor control supply voltage rated value of<br>magnet coil at DC<br>• initial value0.8• initial value0.8• full-scale value0.8operating range factor control supply voltage rated value of<br>magnet coil at AC<br>• at 60 Hz0.8• at 60 Hz0.8• at 60 Hz0.8• at 60 Hz590 VA• at 60 Hz590 VA• at 60 Hz0.9• at   |  | 000 04014   |
| control supply voltage at DC220 240 Voperating range factor control supply voltage rated value of<br>magnet coil at AC220 240 Vinitial value0.8initial value0.8operating range factor control supply voltage rated value of<br>magnet coil at AC0.8o at 50 Hz0.8 1.1o at 60 Hz0.8 1.1ot 60 Hz0.8 1.1ot 60 Hz0.8 1.1ot 60 Hz0.9ot 60 Hz590 VAot 60 Hz0.9ot 60 H   |  |   |
| • rated value220 240 Voperating range factor control supply voltage rated value of<br>minitial value0.8• initial value0.8• full-scale value1.1operating range factor control supply voltage rated value of<br>magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1• design of the surge suppressorwith varisforapparent plck-up power of magnet coil at AC590 VA• at 50 Hz590 VA• at 60 Hz0.9• at 60   |  | 220 240 V   |
| operating range factor control supply voltage rated value of<br>magnet coil at DC0.8• initial value0.8• full-scale value1.1operating range factor control supply voltage rated value of<br>magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC590 VA• at 50 Hz590 VA• at 50 Hz0.9• at 50 Hz0.9• at 50 Hz0.9• at 50 Hz6.1 VA• at 50 Hz6.1 VA• at 50 Hz0.9• at 60 Hz <td></td> <td></td>  |  |   |
| magnet coil at DC         0.8           • initial value         0.8           • full-scale value         1.1           operating range factor control supply voltage rated value of<br>magnet coil at AC         0.8 1.1           • at 50 Hz         0.8 1.1           • at 60 Hz         590 VA           • at 60 Hz         590 VA           • at 60 Hz         590 VA           • at 60 Hz         0.9   |  | 220 240 V   |
| • initial value0.8• full-scale value1.1operating range factor control supply voltage rated value of<br>magnet coil at AC0.8 1.1• at 50 Hz0.8 1.1• design of the surge suppressorwitvaristorapparent pick-up power of magnet coil at AC590 VA• at 50 Hz590 VA• at 60 Hz590 VA• at 60 Hz0.9• at 50 Hz0.9• at 60 Hz <t< td=""><td></td><td></td></t<>  |  |   |
| • full-scale value1.1operating range factor control supply voltage rated value of<br>magnet coil at AC0.81.1• at 60 Hz0.81.1obesign of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC900 VA• at 60 Hz590 VA• at 60 Hz590 VA• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz6.1 VA• at 60 Hz0.9• at 60 Hz0.9  |  | 0.8   |
| operating range factor control supply voltage rated value of<br>magnet coil at ACS 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC590 VA• at 60 Hz590 VA• at 60 Hz0.9inductive power factor with closing power of the coil0.9• at 60 Hz0.9• at 60 Hz30 95 ms• at AC30 95 ms• at AC40 80 ms• at AC40 80 ms• at AC40 80 ms• at DC40 80 ms   |  |   |
| magnet coil at AC   |  |   |
| • at 60 Hz0.81.1design of the surge suppressorwith varistorapparent pick-up power of magnet coil at AC590 VA• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9• at 50 Hz6.1 VA• at 50 Hz6.1 VA• at 50 Hz0.9• at 50 Hz0.9• at 50 Hz0.9• at 60 Hz3095 ms• at AC3095 ms• at AC4080 ms• at AC4080 ms• at AC4080 ms• at DC4080 ms  |  |   |
| design of the surge suppressorwith variatorapparent pick-up power of magnet coil at AC590 VA• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil.• at 50 Hz0.9• at 60 Hz6.1 VA• at 50 Hz6.1 VA• at 60 Hz6.1 VA• at 60 Hz0.9• at 60 Hz0.9• at 60 Hz6.1 VA• at 60 Hz0.9• at AC3095 ms• at AC3095 ms• at AC4080 ms• at AC4080 ms• at AC4080 ms• at AC4080 ms  | • at 50 Hz   | 0.8 1.1   |
| apparent pick-up ower of magnet coil at AC• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil   | • at 60 Hz   | 0.8 1.1   |
| apparent pick-up power of magnet coil at ACS90 VA• at 50 Hz590 VA• at 60 Hz590 VAinductive power factor with closing power of the coil  | design of the surge suppressor   | with varistor   |
| • at 50 Hz         590 VA           • at 60 Hz         590 VA           inductive power factor with closing power of the coil   |  |   |
| • at 60 Hz590 VAinductive power factor with closing power of the coil   |  | 590 VA  |
| inductive power factor with closing power of the coil   |  |   |
| • at 50 Hz         0.9           • at 60 Hz         0.9           apparent holding power of magnet coil at AC         6.1 VA           • at 50 Hz         6.1 VA           • at 60 Hz         6.1 VA           • at 60 Hz         6.1 VA           • at 60 Hz         0.9           • at AC         30 95 ms           • at AC         30 95 ms           • at AC         40 80 ms           • at DC         40 80 ms           • at DC         40 80 ms           • at DC         40 80 ms   |  |   |
| • at 60 Hz0.9apparent holding power of magnet coil at AC.• at 50 Hz6.1 VA• at 60 Hz6.1 VAinductive power factor with the holding power of the coil.• at 50 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC700 Wholding power of magnet coil at DC8.2 Wclosing delay3095 ms• at AC3095 ms• at AC4080 ms• at DC1015 ms   |  | 0.9   |
| apparent holding power of magnet coil at AC6.1 VA• at 50 Hz6.1 VA• at 60 Hz6.1 VAinductive power factor with the holding power of the coil0.9• at 50 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC700 Wholding power of magnet coil at DC8.2 Wclosing delay30 95 ms• at AC30 95 ms• at AC40 80 ms• at AC40 80 ms• at AC40 80 ms• at DC10 15 ms   |  |   |
| • at 50 Hz         6.1 VA           • at 60 Hz         6.1 VA           inductive power factor with the holding power of the coil         -           • at 50 Hz         0.9           • at 60 Hz         3095 ms           • at DC         3095 ms           • at DC         3095 ms           • at AC         4080 ms           • at DC         4080 ms           • at DC         4080 ms  |  |   |
| • at 60 Hz6.1 VAinductive power factor with the holding power of the coll.• at 50 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC700 Wholding power of magnet coil at DC8.2 Wclosing delay.• at AC3095 ms• at AC3095 ms• at AC3095 ms• at AC4080 ms• at AC4080 ms• at AC4080 ms• at DC1015 ms  |  | 6 1 VA  |
| inductive power factor with the holding power of the coil• at 50 Hz0.9• at 60 Hz0.9closing power of magnet coil at DC700 Wholding power of magnet coil at DC8.2 W• at AC30 95 ms• at DC30 95 ms• at AC30 95 ms• at AC40 80 ms• at AC40 80 ms• at DC10 15 ms   |  |   |
| • at 50 Hz         0.9           • at 60 Hz         0.9           closing power of magnet coil at DC         700 W           holding power of magnet coil at DC         8.2 W           closing delay         -           • at AC         30 95 ms           • at DC         30 95 ms           • at AC         40 80 ms           • at AC         40 80 ms           • at DC         40 80 ms  |  |   |
| • at 60 Hz         0.9           closing power of magnet coil at DC         700 W           holding power of magnet coil at DC         8.2 W           closing delay         -           • at AC         30 95 ms           • at DC         30 95 ms           opening delay         -           • at AC         40 80 ms           • at DC         40 80 ms           • at DC         10 15 ms   |  | 0.0   |
| closing power of magnet coil at DC700 Wholding power of magnet coil at DC8.2 Wclosing delay-• at AC30 95 ms• at DC30 95 msopening delay-• at AC40 80 ms• at DC40 80 ms• at DC40 80 ms• at DC10 15 ms  |  |   |
| holding power of magnet coil at DC8.2 Wclosing delay  |  |   |
| closing delay         3095 ms           • at AC         3095 ms           • at DC         3095 ms           opening delay         4080 ms           • at DC         4080 ms           • at DC         1015 ms   |  |   |
| • at AC         30 95 ms           • at DC         30 95 ms           opening delay         30 95 ms           • at AC         40 80 ms           • at DC         40 80 ms           • at DC         10 15 ms   |  |   |
| • at DC         30 95 ms           opening delay         -           • at AC         40 80 ms           • at DC         40 80 ms           at DC         10 15 ms   | holding power of magnet coil at DC   |   |
| opening delay         40 80 ms           • at AC         40 80 ms           • at DC         40 80 ms           arcing time         10 15 ms   | holding power of magnet coil at DC<br>closing delay  | 8.2 W   |
| • at AC         40 80 ms           • at DC         40 80 ms           arcing time         10 15 ms  | holding power of magnet coil at DC<br>closing delay<br>• at AC   | 8.2 W<br>30 95 ms                                     |
| • at DC 40 80 ms 10 15 ms   | holding power of magnet coil at DC<br>closing delay<br>• at AC<br>• at DC  | 8.2 W<br>30 95 ms                                     |
| arcing time 10 15 ms  | holding power of magnet coil at DC<br>closing delay<br>• at AC<br>• at DC  | 8.2 W<br>30 95 ms                                     |
|   | holding power of magnet coil at DC<br>closing delay<br>• at AC<br>• at DC<br>opening delay                       | 8.2 W<br>30 95 ms<br>30 95 ms                         |
|   | holding power of magnet coil at DC<br>closing delay<br>• at AC<br>• at DC<br>opening delay<br>• at AC            | 8.2 W<br>30 95 ms<br>30 95 ms<br>40 80 ms             |
| control version of the switch operating mechanism Standard A1 - A2  | holding power of magnet coil at DC<br>closing delay<br>• at AC<br>• at DC<br>opening delay<br>• at AC<br>• at DC | 8.2 W<br>30 95 ms<br>30 95 ms<br>40 80 ms<br>40 80 ms |

| Auxiliary circuit   |  |
|---|--|
| number of NC contacts for auxiliary contacts instantaneous                        | 2  |
| contact   | 2  |
| number of NO contacts for auxiliary contacts instantaneous                        | 2  |
| contact   |  |
| operational current at AC-12 maximum  | 10 A   |
| operational current at AC-15  |  |
| • at 230 V rated value  | 6 A  |
| • at 400 V rated value  | 3 A  |
| • at 500 V rated value  | 2 A  |
| • at 690 V rated value  | 1 A  |
| operational current at DC-12  |  |
| • at 24 V rated value   | 10 A   |
| • at 48 V rated value   | 6 A  |
| • at 60 V rated value   | 6 A  |
| • at 110 V rated value  | 3 A  |
| • at 125 V rated value  | 2 A  |
| • at 220 V rated value  | 1 A  |
| • at 600 V rated value  | 0.15 A   |
| operational current at DC-13  |  |
| • at 24 V rated value   | 10 A   |
| • at 48 V rated value   | 2 A  |
| • at 60 V rated value   | 2 A  |
| • at 110 V rated value  | 1 A  |
| • at 125 V rated value  | 0.9 A  |
| • at 220 V rated value  | 0.3 A  |
| • at 600 V rated value  | 0.1 A  |
| contact reliability of auxiliary contacts   | 1 faulty switching per 100 million (17 V, 1 mA)  |
| UL/CSA ratings  |  |
| full-load current (FLA) for 3-phase AC motor                                      |  |
| at 480 V rated value  | 302 A  |
| at 600 V rated value  | 289 A  |
| yielded mechanical performance [hp]   |  |
| • for 3-phase AC motor  |  |
| — at 200/208 V rated value  | 100 hp   |
| - at 220/230 V rated value  | 125 hp   |
| - at 460/480 V rated value  | 250 hp   |
| — at 575/600 V rated value  | 300 hp   |
| contact rating of auxiliary contacts according to UL                              | A600 / Q600  |
| Short-circuit protection  |  |
| design of the fuse link   |  |
| for short-circuit protection of the main circuit                                  |  |
| for short-circuit protection of the main circuit                                  | aG: 500 A (690 V 100 KA)   |
| — with type of assignment 2 required  | gG: 500 A (690 V, 100 kA)<br>gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 |
| - with type of assignment 2 required  | gG: 500 A (690 V, 100 KA), am: 400 A (690 V, 50 KA), BS88: 450 A (415 V, 50 kA)                          |
| <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> | gG: 10 A (500 V, 1 kA)   |
| Installation/ mounting/ dimensions  |  |
| mounting position   | +/-22,5° rotation possible on vertical mounting surface; can be tilted forward                           |
|   | and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface         |
| fastening method  | screw fixing   |
| <ul> <li>side-by-side mounting</li> </ul>   | Yes  |
| height  | 210 mm   |
| width   | 145 mm   |
| depth   | 206 mm   |
| required spacing  |  |
| with side-by-side mounting  |  |
| — forwards  | 20 mm  |
| — upwards   | 10 mm  |
| — downwards   | 10 mm  |
| — at the side   | 0 mm   |
|   |  |
| <ul> <li>for grounded parts</li> </ul>  |  |

|  | — forwards  | 20 mm                |  |  |
|--|---|----------------------|--|--|
|  |   |                      |  |  |
| • or live parts       20 mm         • - Orwards       20 mm         • - Owards       10 mm         • - Owards       - Owards         • Owards       - Owards   |   |                      |  |  |
| - Growards     20 mm       - upwards     10 mm       - a the side     10 mm       - for main current circuit     connection bar       - of connection bar     25 mm       - didenctor of holes     1       - onnection clouder cross-section for auxiliary contacts     0.5 4 mm <sup>2</sup> - solid or stranded     0.5 4 mm <sup>2</sup> - of auxiliary contacts     0.5 2.5 mm <sup>2</sup> - of auxiliary contacts     0.5   | — downwards   | 10 mm                |  |  |
|  | • for live parts  |                      |  |  |
| - downwards<br>- a the aid       10 mm         - a the aid       10 mm         - a the aid       10 mm         - downwards<br>- a the aid       0 mm         - a the aid       0 mm         - a the aid       0 mm         - of electrical connection       connection bar         - a connection bar       connection bar         - a connection bar       25 mm         - dimeter of holes       1         - connection bar       0 mm <sup>+</sup> - connectible conductor cross-section for auxiliary contacts       0 5 4 mm <sup>+</sup> - standed       70 240 mm <sup>+</sup> - connectable conductor cross-sections       0 5 4 mm <sup>+</sup> - bid       2x (0.5 15 mm <sup>+</sup> ), 2x (0.75 25 mm <sup>+</sup> ), max, 2x (0.75 4 mm <sup>+</sup> )         - standiary contacts       18 14         - bid wellstand othic core end processing       2x (0.5 15 mm <sup>+</sup> ), 2x (0.75 25 mm <sup>+</sup> ), max, 2x (0.75 4 mm <sup>+</sup> )         - to auxiliary contacts       18 14         - bid wellstand contact for auxiliary contacts       20 a         - oreactoride tob       10 me -  |   | 20 mm                |  |  |
| at the side     10 mm       Connectional Terminals       Ypp of electrical connection bar     Connection bar       at magnet coll     Screw-type terminals       at the sold or strandel     Screw-type terminals       at the sold or strandel     Screw-   | — upwards   | 10 mm                |  |  |
| Connections/I terminals         Type of electrical connection         • for main current circuit         • auxiliary and control circuit         • of main current circuit         • of main control circuit         • diameter of holes         • of main control circuit connection bar         • diameter of holes         • on main control circuit         • connection conductor cross-section for main contacts         • stranded         • one conductor cross-section for mail contacts         • stranded         • of auxiliary contacts         - acid         - acid         - acid         - finely stranded with core end processing         • for auxiliary contacts         - acid         - finely stranded with core end processing         • for auxiliary contacts         - acid         - finely stranded with core end processing         • for auxiliary contacts         - acid         - fo  | — downwards   | 10 mm                |  |  |
| type of electrical connection <ul> <li>for main current frontil</li> <li>for anxiliary contacts</li> <li>el contactor for auxiliary contacts</li> <li>of magnet coll</li> <li>Screw-type terminals</li> <li>Screw-type terminals</li> <li>Screw-type terminals</li> <li>Screw-type terminals</li> <li>of magnet coll</li> <li>Screw-type terminals</li> <li< td=""><td>— at the side</td><td>10 mm</td></li<></ul> | — at the side   | 10 mm                |  |  |
| • for main current circuit       Connection bar         • or auxiliary and control circuit       Screw-type terminals         • of magnet coll       Screw-type terminals         • of magnet coll       Screw-type terminals         • width of connection bar       6 mm         diamator of holes       1 nm         • intended       70 240 mm <sup>2</sup> connectable conductor cross-section for main contacts       0.5 4 mm <sup>2</sup> • oild or stranded       0.5 4 mm <sup>2</sup> • oild or stranded       0.5 4 mm <sup>2</sup> • or auxiliary contacts       2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • oild or stranded       2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • oild or stranded       2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • oild or stranded       2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         • of auxiliary contacts       18 14         Statign protect function       18 14         Product function       19 14         Vers       Vers         • positively drive operation according to IEC 60529       IPO0 IP20 with box terminal/cover         • trively for protection class IP on the front according to IEC 60529       IPO0 IP20 with box terminal   | Connections/ Terminals                                  |                      |  |  |
| • for auxiliary and control circuit       screw-type terminals         • id contactor for auxiliary contacts       Screw-type terminals         • width of connection bar       25 mm         • dimenter of holes       1         • thickness of connection bar       6 mm         • dimenter of holes       1         • connectable conductor cross-section for main contacts       • if and         • stranded       70 240 mm²         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         • oild or stranded       0.5 4 mm²         • einely stranded with core end processing       2x (0.5 15 mm²), 2x (0.75 25 mm²), max. 2x (0.75 4 mm²)         • einely stranded with core end processing       2x (0.5 15 mm²), 2x (0.75 25 mm²), max. 2x (0.75 4 mm²)         • einely stranded with core end processing       2x (0.5 15 mm²), 2x (0.75 25 mm²), max. 2x (0.75 4 mm²)         • or AWG cables for auxiliary contacts       18 14         Setty related data       20 a         Product function       18 14         • or auxiliary contacts       18 14         Setty related strated       20 a         • or auxiliary contacts       18 14         Setty related data       20 a         Protection clase IP on the front according to IEC 60529 <td>type of electrical connection</td> <td></td>   | type of electrical connection                           |                      |  |  |
| • et contactor for auxiliary contacts     Screw-type terminals       • of magnet coli     Screw-type terminals       • witch of connection bar     25 mm       diameter of holes     11 mm       number of holes     11 mm       entraded     70240 mm²       connectable conductor cross-section for auxiliary contacts     0.52.5 mm²       • if anxiliary contacts     0.52.5 mm²       • olid of stranded     0.52.5 mm²       Upp of connectable conductor cross-sections     0.52.5 mm²       • for auxiliary contacts     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - solid     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - exili or stranded     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - exili or stranded     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - exili or stranded     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - exili or stranded     11 mm², 2x (0.752.5 mm²)       - or auxiliary contacts     1814       Setsor contacts according to IEC 60847-4.1     Yes       • or auxiliary contacts     1814       Setsor contacts according to IEC 60529     1PO0. IP20 with box terminal/cover       • traue to proof test interval or service life according to IEC 60529     1PO0. IP20 with box terminal/cover  | for main current circuit                                | Connection bar       |  |  |
| • of magnet coll     Screw-type terminals       width of connection bar     25 mm       diameter of holes     11 mm       number of holes     11 mm       connectable conductor cross-section for main contacts     1       e-stranded     70 240 mm²       connectable conductor cross-section for auxiliary contacts     0.5 4 mm²       e-solid     0.5 4 mm²       e-solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)       e-solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)       e-solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)       e-solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)       e-solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       e-ofil or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) <td><ul> <li>for auxiliary and control circuit</li> </ul></td> <td>screw-type terminals</td>  | <ul> <li>for auxiliary and control circuit</li> </ul>   | screw-type terminals |  |  |
| width of connection bar     25 mm       thickness of connection bar     6 mm       diameter of holes     11 mm       number of holes     1       e-stranded     70 240 mm <sup>2</sup> connectable conductor cross-section for axiliary contacts     0.5 4 mm <sup>2</sup> e-isranded     0.5 4 mm <sup>2</sup> of availary contacts     0.5 4 mm <sup>2</sup> e-solid     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )      solid or stranded     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )      solid or stranded     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )      solid or stranded     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )      solid relations     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )      solid relations     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )      solid relations     2x (0.5 1.6 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )      solid relation conductor cross-sections     18 14       Safety related data     1900/12 20 16), 2x (18 14), 1x 12       Product function     18 14       Safety related or according to IEC 60947-5-1     No       11 value for proof test interval or service life according to IEC 60942     20 a      gistability for use   | <ul> <li>at contactor for auxiliary contacts</li> </ul> | Screw-type terminals |  |  |
| thickness of connection bar       6 mm         diameter of holes       11 mm         number of holes       1         connectable conductor cross-section for auxiliary contacts       1         e stranded       70 240 mm <sup>3</sup> connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>3</sup> e solid or stranded       0.5 25 mm <sup>3</sup> fype of connectable conductor cross-sections       0.5 25 mm <sup>3</sup> , pax. 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         - solid or stranded       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         40 for auxiliary contacts       18 14       Sately rolated data         product function       18 14       Sately rolated data         protection class IP on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         stablity for use       • sately related Approval       Yes         Confirmation       Confirmation       Confirmation <td>of magnet coil</td> <td>Screw-type terminals</td>  | of magnet coil  | Screw-type terminals |  |  |
| diameter of holes       11 mm         number of holes       1         connectable conductor cross-section for auxiliary contacts       1         • sitanded       70 240 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup> - solid conductor cross-sections       0.5 4 mm <sup>2</sup> - finely stranded with core end processing       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         - finely stranded with core end processing       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         - finely stranded with core end processing       18 14         Safety related data       9         product function       18 14         Safety related data       9         protection class IP on the front according to IEC 60529       IPO0 (IP20 with box terminal/cover         <   |   |                      |  |  |
| number of holes     1       connectable conductor cross-section for auxiliary contacts     70 240 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts     0.5 4 mm <sup>2</sup> e solid or stranded     0.5 4 mm <sup>2</sup> finely stranded with core end processing     0.5 2.5 mm <sup>3</sup> type of connectable conductor cross-sections     6 for auxiliary contacts       - solid     - solid or stranded       - solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )       - solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )       - finely stranded with core end processing     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )       • for AVG cables for auxiliary contacts     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )       - finely stranded with core end processing     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )       • for AVG cables for auxiliary contacts     18 14       Safety related data     18 14       product function     18 14       • infinor contact according to IEC 60947-4-1     Yes       • postively driven operation according to IEC 60529     IPO0; IP20 with box terminal/cover       stably related data     190; IP20 with box terminal/cover       protection class IP on the front according to IEC 60529     IPO0; IP20 with box terminal/cover       stably-related witching OFF     <  |   |                      |  |  |
| connectable conductor cross-section for main contacts     70 240 mm <sup>2</sup> connectable conductor cross-section for auxiliary contacts     0.5 4 mm <sup>2</sup> e of auxiliary contacts     0.5 4 mm <sup>2</sup> e of auxiliary contacts     0.5 4 mm <sup>2</sup> e of auxiliary contacts     2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       e of auxiliary contacts     2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       e of auxiliary contacts     2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       e of auxiliary contacts     2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       e of auxiliary contacts     2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> )       e of auxiliary contacts     18 14       Safety related data     18 14       product function     18 14       e or auxiliary contacts     18 14       Safety related data     20 a       protection class IP on the front according to IEC 60947-5-1     No       T t value for proof test interval or service life according to IEC 60529     IPO0; IP20 with box terminal/cover       subbility for use     e astery-related switching OFF     Yes       cortificates/ approvals     Confirmation     KC       Centificates/ approvals     Confirmation     KC       EMC     Functional     Confirmation </td <td></td> <td></td>   |   |                      |  |  |
| • stranded       70 240 mm²         • connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • for auxiliary contacts       - solid         • solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - finely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         • of auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         • of auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • of auxiliary contacts       18 14         Safety related data       -         product function       -         • or auxiliary contacts       18 14         Safety related data       -         protection class IP on the front according to IEC 60529       IP00; IP20 with box terminal/cover         • uch protection on the front according to IEC 60529       IP00; IP20 with box terminal/cover         • suitability for use       • safety-related switching OFF       Yes         • confirmation       • yes       • yes         Confirmation       • yes       • yes   |   | 1                    |  |  |
| connectable conductor cross-section for auxiliary contacts     0.54 mm²       • solid or stranded     0.54 mm²       • finely stranded with core end processing     0.525 mm²       type of connectable conductor cross-sections     0.525 mm²       • or auxiliary contacts     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - solid     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - solid or stranded with core end processing     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - solid or stranded with core end processing     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - solid or stranded with core end processing     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - finely stranded with core end processing     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - finely stranded with core end processing     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - finely stranded with core end processing     2x (0.515 mm²), 2x (0.7525 mm²), max. 2x (0.754 mm²)       - finely stranded data     1814       Safety related data     1814       product function     1900 IEC 60529       - protection on the front according to IEC 60529     1900 IP20 with box terminal/cover       - safety-related switching OFF     Yes <tr< td=""><td></td><td>70.040.3</td></tr<>   |   | 70.040.3             |  |  |
| • solid or stranded     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 2.5 mm <sup>2</sup> • for auxiliary contacts     - solid       - solid     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       - solid or stranded     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       - solid or stranded     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       - for auxiliary contacts     2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )       - for auxiliary contacts     2x (20 16), 2x (18 14), 1x 12       AWG number as coded connectable conductor cross section     18 14       Story related data     18 14       Story related data     20 a       product function     18 14       • nimicr contact according to IEC 60947-5-1     No       T1 value for proof test interval or service life according to IEC 60529     IPO0; IP20 with box terminal/cover       touch protection class IP on the front according to IEC 60529     IPO0; IP20 with box terminal/cover       safety-related switching OFF     Yes       • astely-related switching OFF     Yes   |   | 70 240 mm²           |  |  |
| • finely stranded with core end processing     0.52.5 mm <sup>3</sup> type of connectable conductor cross-sections     • for auxiliary contacts       • solid     - solid or stranded       - solid or stranded with core end processing     2x (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> ), max. 2x (0.754 mm <sup>3</sup> )       • for AWG cables for auxiliary contacts     2x (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> )       • for AWG cables for auxiliary contacts     2x (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> )       • for auxiliary contacts     1814       Safety related data     1814       product function     1814       • protection class IP on the front according to IEC 60947.5-1     No       11 value for proof test interval or service life according to IEC 60529     1PO0; IP20 with box terminal/cover       suitability for use     20 a       • safety-related switching OFF     Yes       • safety-related switching OFF     Yes       Confirmation     Yes       • confirmation     Ifoger-safe, for vertical contact from the front with box terminal/cover       suitability for use     • safety-related switching OFF       • safety-related switching OFF     Yes       Confirmation     Ecc       Emeral Product Approval     Ecc       Emeral Product Approval     Ecc       Emeral Product Approval     Ecc       Emeral Safety/Safety of Machinery   | -   | 0.5 4                |  |  |
| type of connectable conductor cross-sections         • for auxiliary contacts       - solid         - solid       - solid         - finely stranded       - finely stranded with core end processing         • for AWG cables for auxiliary contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )         2x (0.5 15 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>3</sup> )       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • for AWG cables for auxiliary contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • for auxiliary contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • for auxiliary contacts       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )         • for auxiliary contacts       18 14         State of auxiliary contacts         • for auxiliary contacts  |   |                      |  |  |

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| other                |                     | Railway                       |                     |  |
|----------------------|---------------------|-------------------------------|---------------------|--|
| <u>Miscellaneous</u> | <b>Confirmation</b> | Special Test Certific-<br>ate | Vibration and Shock |  |

## **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=3RT1266-6AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1266-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AP36

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

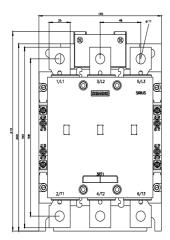
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1266-6AP36&lang=en

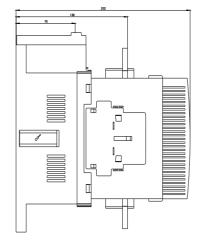
Characteristic: Tripping characteristics, I2t, Let-through current

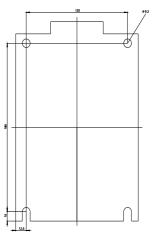
https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AP36/char

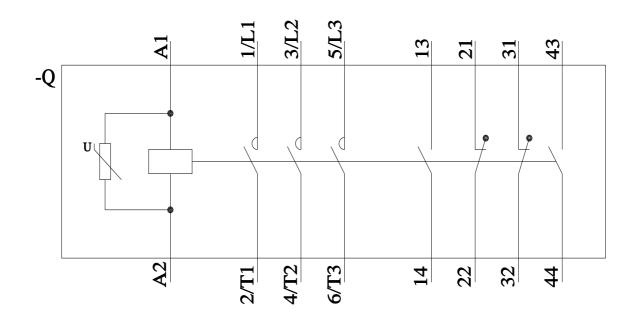
Further characteristics (e.g. electrical endurance, switching frequency)

 $\underline{http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1266-6AP36\&objecttype=14&gridview=view1$ 









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