# SIEMENS

#### Data sheet

### 3RT2038-3NF30



power contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 83-155 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S2,

|  | 95 %  |
|--|---|
| lain circuit   |   |
| number of poles for main current circuit   | 3   |
| number of NO contacts for main contacts  | 3   |
| operating voltage  |   |
| at AC-3 rated value maximum  | 690 V   |
| <ul> <li>at AC-3e rated value maximum</li> </ul>   | 690 V   |
| operational current  |   |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value  | 90 A  |
| <ul> <li>at AC-1         <ul> <li>up to 690 V at ambient temperature 40 °C rated</li> </ul> </li> </ul>  | 90 A  |
| value<br>— up to 690 V at ambient temperature 60 °C rated  | 80 A  |
| value  |   |
| • at AC-3  |   |
| — at 400 V rated value   | 80 A  |
| — at 500 V rated value   | 80 A  |
| — at 690 V rated value   | 58 A  |
| • at AC-3e   |   |
| — at 400 V rated value   | 80 A  |
| — at 500 V rated value   | 80 A  |
| — at 690 V rated value   | 58 A  |
| <ul> <li>at AC-4 at 400 V rated value</li> </ul>   | 55 A  |
| <ul> <li>at AC-5a up to 690 V rated value</li> </ul>   | 79.2 A  |
| <ul> <li>at AC-5b up to 400 V rated value</li> </ul>   | 66.4 A  |
| • at AC-6a   |   |
| <ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>  | 70 A  |
| <ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>  | 70 A  |
| — up to 500 V for current peak value n=20 rated value  | 70 A  |
| — up to 690 V for current peak value n=20 rated value  | 58 A  |
| ● at AC-6a   |   |
| <ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>  | 46.7 A  |
| <ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>  | 46.7 A  |
| <ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>  | 46.7 A  |
| — up to 690 V for current peak value n=30 rated value  | 46.7 A  |
| minimum cross-section in main circuit at maximum AC-1 rated value  | 35 mm²  |
| operational current for approx. 200000 operating cycles at AC-4  |   |
| • at 400 V rated value   | 30 A  |
| • at 690 V rated value   | 24 A  |
| operational current  |   |
| • at 1 current path at DC-1  |   |
| — at 24 V rated value  | 55 A  |
| — at 60 V rated value  | 23 A  |
|  | 4.5 A   |
| — at 110 V rated value   | 4.077   |
| — at 110 V rated value<br>— at 220 V rated value   | 1A  |
|  |   |
| — at 220 V rated value<br>— at 440 V rated value   | 1 A<br>0.4 A  |
| — at 220 V rated value<br>— at 440 V rated value<br>— at 600 V rated value   | 1 A   |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</li> </ul>   | 1 A<br>0.4 A<br>0.25 A  |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</li> <li>at 24 V rated value</li> </ul>  | 1 A<br>0.4 A<br>0.25 A<br>55 A  |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> </ul>   | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A  |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</li> <li>at 24 V rated value</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> </ul>  | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A                                |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</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> </ul>   | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A<br>5 A                         |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</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 440 V rated value</li> </ul>   | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A<br>5 A<br>1 A                  |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</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 440 V rated value</li> <li>at 600 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> </ul>   | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A<br>5 A                         |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</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 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>with 3 current paths in series at DC-1</li> </ul>   | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A<br>5 A<br>1 A<br>0.8 A         |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</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 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 440 V rated value</li> <li>at 600 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 440 V rated value</li> <li>at 600 V rated value</li> </ul> | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A<br>5 A<br>1 A<br>0.8 A<br>55 A |
| <ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-1</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 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>with 3 current paths in series at DC-1</li> </ul>   | 1 A<br>0.4 A<br>0.25 A<br>55 A<br>45 A<br>45 A<br>5 A<br>1 A<br>0.8 A         |

| — at 220 V rated value   | 45 A  |
|--|---|
| — at 440 V rated value   | 2.9 A   |
| — at 600 V rated value   | 1.4 A   |
| <ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>                                |   |
| — at 24 V rated value  | 35 A  |
| — at 60 V rated value  | 6 A   |
| — at 220 V rated value   | 1 A   |
| — at 440 V rated value   | 0.1 A   |
| — at 600 V rated value   | 0.06 A  |
| <ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>                   |   |
| — at 24 V rated value  | 55 A  |
| — at 60 V rated value  | 45 A  |
| — at 110 V rated value   | 25 A  |
| — at 220 V rated value   | 5 A   |
| — at 440 V rated value   | 0.27 A  |
| — at 600 V rated value   | 0.16 A  |
| • with 3 current paths in series at DC-3 at DC-5                                     |   |
| — at 24 V rated value  | 55 A  |
| — at 60 V rated value  | 55 A  |
| — at 110 V rated value   | 55 A  |
| — at 220 V rated value   | 25 A  |
| — at 440 V rated value   | 0.6 A   |
| — at 600 V rated value   | 0.35 A  |
| operating power  |   |
| • at AC-2 at 400 V rated value   | 37 kW   |
| • at AC-3  | 00.1111   |
| — at 230 V rated value   | 22 kW   |
| — at 400 V rated value   | 37 kW   |
| — at 500 V rated value   | 37 kW   |
| — at 690 V rated value   | 45 kW   |
| • at AC-3e   | 00.1111   |
| — at 230 V rated value   | 22 kW   |
| — at 400 V rated value   | 37 kW   |
| — at 500 V rated value   | 37 kW   |
| — at 690 V rated value<br>operating power for approx. 200000 operating cycles at AC- | 45 kW   |
| 4  |   |
| • at 400 V rated value   | 15.8 kW   |
| • at 690 V rated value   | 21.8 kW   |
| operating apparent power at AC-6a  |   |
| <ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>              | 27.8 kVA  |
| <ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>              | 48.4 kVA  |
| <ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>              | 60.6 kVA  |
| <ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>              | 69.3 kVA  |
| operating apparent power at AC-6a  |   |
| • up to 230 V for current peak value n=30 rated value                                | 18.6 kVA  |
| <ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>              | 32.3 kVA  |
| <ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>              | 40.4 kVA  |
| <ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>              | 55.8 kVA  |
| short-time withstand current in cold operating state up to                           |   |
| 40 °C  |   |
| Imited to 1 s switching at zero current maximum                                      | 1 298 A; Use minimum cross-section acc. to AC-1 rated value |
| Imited to 5 s switching at zero current maximum                                      | 898 A; Use minimum cross-section acc. to AC-1 rated value   |
| Imited to 10 s switching at zero current maximum                                     | 640 A; Use minimum cross-section acc. to AC-1 rated value   |
| Imited to 30 s switching at zero current maximum                                     | 414 A; Use minimum cross-section acc. to AC-1 rated value   |
| Imited to 60 s switching at zero current maximum                                     | 333 A; Use minimum cross-section acc. to AC-1 rated value   |
| no-load switching frequency  |   |
| • at AC  | 1 500 1/h   |
| • at DC  | 1 500 1/h   |
| operating frequency  |   |
| <ul> <li>at AC-1 maximum</li> </ul>  | 700 1/h   |

| • at AC-2 maximum   | 350 1/h          |
|---|------------------|
| • at AC-3 maximum   | 500 1/h          |
| <ul> <li>at AC-3e maximum</li> </ul>  | 500 1/h          |
| • at AC-4 maximum   | 150 1/h          |
| Control circuit/ Control  |                  |
| type of voltage of the control supply voltage                                     | AC/DC            |
| control supply voltage at AC  |                  |
| • at 50 Hz rated value  | 83 155 V         |
| • at 60 Hz rated value  | 83 155 V         |
| control supply voltage at DC  |                  |
| rated value   | 83 155 V         |
| operating range factor control supply voltage rated value of                      |                  |
| magnet coil at DC   |                  |
| • initial value   | 0.8              |
| full-scale value  | 1.1              |
| operating range factor control supply voltage rated value of<br>magnet coil at AC |                  |
| ● at 50 Hz  | 0.8 1.1          |
| ● at 60 Hz  | 0.8 1.1          |
| design of the surge suppressor  | with varistor    |
| inrush current peak   | 1.5 A            |
| duration of inrush current peak   | 50 µs            |
| locked-rotor current mean value   | 0.45 A           |
| locked-rotor current peak   | 0.8 A            |
| duration of locked-rotor current  | 230 ms           |
| holding current mean value  | 12 mA            |
| apparent pick-up power of magnet coil at AC                                       |                  |
| • at 50 Hz  | 40 VA            |
| • at 60 Hz  | 40 VA            |
| apparent holding power  |                  |
| <ul> <li>at minimum rated control supply voltage at DC</li> </ul>                 | 2 VA             |
| <ul> <li>at maximum rated control supply voltage at DC</li> </ul>                 | 2 VA             |
| apparent holding power  |                  |
| <ul> <li>at minimum rated control supply voltage at AC</li> </ul>                 |                  |
| — at 50 Hz  | 2 VA             |
| — at 60 Hz  | 2 VA             |
| <ul> <li>at maximum rated control supply voltage at AC</li> </ul>                 |                  |
| — at 50 Hz  | 2 VA             |
| — at 60 Hz  | 2 VA             |
| apparent holding power of magnet coil at AC                                       |                  |
| • at 50 Hz  | 2 VA             |
| • at 60 Hz  | 2 VA             |
| inductive power factor with the holding power of the coil                         |                  |
| • at 50 Hz  | 0.95             |
| • at 60 Hz  | 0.95             |
| closing power of magnet coil at DC  | 23 W             |
| holding power of magnet coil at DC  | 1 W              |
| closing delay   |                  |
| • at AC   | 35 110 ms        |
| • at DC   | 35 110 ms        |
|   | 55 I IU IIIS     |
| opening delay   | 20 55 mg         |
| • at AC   | 30 55 ms         |
| • at DC   | 30 55 ms         |
| arcing time   | 10 20 ms         |
| control version of the switch operating mechanism                                 | Standard A1 - A2 |
| Auxiliary circuit   |                  |
| number of NC contacts for auxiliary contacts instantaneous<br>contact             | 1                |
| number of NO contacts for auxiliary contacts instantaneous<br>contact             | 1                |
| operational current at AC-12 maximum  | 10 A             |
| operational current at AC-15  |                  |
|   |                  |

| <ul> <li>at 230 V rated value</li> </ul>  | 10 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  |   |  |  |  |  |
| <ul> <li>at 24 V rated value</li> </ul>   | 10 A  |  |  |  |  |
| <ul> <li>at 48 V rated value</li> </ul>   | 6 A   |  |  |  |  |
| <ul> <li>at 60 V rated value</li> </ul>   | 6 A   |  |  |  |  |
| <ul> <li>at 110 V rated value</li> </ul>  | 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  |  |  |  |  |
| <ul> <li>at 48 V rated value</li> </ul>   | 2 A   |  |  |  |  |
| • at 60 V rated value   | 2 A   |  |  |  |  |
| <ul> <li>at 110 V rated value</li> </ul>  | 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                                      |   |  |  |  |  |
| <ul> <li>at 480 V rated value</li> </ul>  | 65 A  |  |  |  |  |
| • at 600 V rated value  | 62 A  |  |  |  |  |
| yielded mechanical performance [hp]   |   |  |  |  |  |
| <ul> <li>for single-phase AC motor</li> </ul>                                     |   |  |  |  |  |
| — at 110/120 V rated value  | 5 hp  |  |  |  |  |
| — at 230 V rated value  | 15 hp   |  |  |  |  |
| <ul> <li>for 3-phase AC motor</li> </ul>  |   |  |  |  |  |
| — at 200/208 V rated value  | 20 hp   |  |  |  |  |
| — at 220/230 V rated value  | 25 hp   |  |  |  |  |
| — at 460/480 V rated value  | 50 hp   |  |  |  |  |
| — at 575/600 V rated value  | 60 hp   |  |  |  |  |
| contact rating of auxiliary contacts according to UL                              | A600 / P600   |  |  |  |  |
| Short-circuit protection  |   |  |  |  |  |
| design of the fuse link   |   |  |  |  |  |
| <ul> <li>for short-circuit protection of the main circuit</li> </ul>              |   |  |  |  |  |
| <ul> <li>— with type of coordination 1 required</li> </ul>                        | gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)  |  |  |  |  |
| <ul> <li>— with type of assignment 2 required</li> </ul>                          | gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)   |  |  |  |  |
| <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   | +/-180° rotation possible on vertical mounting surface; can be tilted forward and<br>backward by +/- 22.5° on vertical mounting surface |  |  |  |  |
| fastening method  | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  |  |  |  |  |
| side-by-side mounting   | Yes   |  |  |  |  |
| height  | 114 mm  |  |  |  |  |
| width   | 55 mm   |  |  |  |  |
| depth   | 130 mm  |  |  |  |  |
| required spacing  |   |  |  |  |  |
| with side-by-side mounting     forwards   | 10 mm   |  |  |  |  |
| — forwards  | 10 mm   |  |  |  |  |
| — upwards   | 10 mm   |  |  |  |  |
| — downwards   | 10 mm   |  |  |  |  |
| — at the side   | 0 mm  |  |  |  |  |
| for grounded parts     forwards   | 10 mm   |  |  |  |  |
| — forwards  | 10 mm   |  |  |  |  |
| — upwards<br>— at the side  | 10 mm<br>6 mm   |  |  |  |  |
| — at the side<br>— downwards  |   |  |  |  |  |
| — uownwarus   | 10 mm   |  |  |  |  |

| 10 mm<br>10 mm<br>10 mm<br>6 mm<br>screw-type terminals<br>spring-loaded terminals<br>Spring-type terminals<br>Spring-type terminals<br>2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )<br>2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> ) |  |  |  |
|---|--|--|--|
| 10 mm<br>6 mm<br>screw-type terminals<br>spring-loaded terminals<br>Spring-type terminals<br>Spring-type terminals<br>2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )<br>2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)   |  |  |  |
| 6 mm<br>screw-type terminals<br>spring-loaded terminals<br>Spring-type terminals<br>Spring-type terminals<br>2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )<br>2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)   |  |  |  |
| screw-type terminals<br>spring-loaded terminals<br>Spring-type terminals<br>2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )<br>2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)   |  |  |  |
| spring-loaded terminals         Spring-type terminals         2x (1 35 mm²), 1x (1 50 mm²)         2x (1 25 mm²), 1x (1 35 mm²)         1 35 mm²         0.5 2.5 mm²         0.5 2.5 mm²         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (20 14)  |  |  |  |
| spring-loaded terminals         Spring-type terminals         2x (1 35 mm²), 1x (1 50 mm²)         2x (1 25 mm²), 1x (1 35 mm²)         1 35 mm²         0.5 2.5 mm²         0.5 2.5 mm²         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (20 14)  |  |  |  |
| spring-loaded terminals         Spring-type terminals         2x (1 35 mm²), 1x (1 50 mm²)         2x (1 25 mm²), 1x (1 35 mm²)         1 35 mm²         0.5 2.5 mm²         0.5 2.5 mm²         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (20 14)  |  |  |  |
| Spring-type terminals         2x (1 35 mm²), 1x (1 50 mm²)         2x (1 25 mm²), 1x (1 35 mm²)         1 35 mm²         0.5 2.5 mm²         0.5 2.5 mm²         0.5 2.5 mm²         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 1.5 mm²)         2x (0.5 1.5 mm²)         2x (20 14)  |  |  |  |
| Spring-type terminals         2x (1 35 mm²), 1x (1 50 mm²)         2x (1 25 mm²), 1x (1 35 mm²)         1 35 mm²         0.5 2.5 mm²         0.5 2.5 mm²         0.5 2.5 mm²         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (0.5 1.5 mm²)         2x (20 14)   |  |  |  |
| 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )<br>2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )<br>1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 1 35 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 0.5 2.5 mm <sup>2</sup><br>0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 0.5 2.5 mm <sup>2</sup><br>0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)   |  |  |  |
| 0.5 1.5 mm <sup>2</sup><br>0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)   |  |  |  |
| 0.5 2.5 mm <sup>2</sup><br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 2x (0.5 2.5 mm <sup>2</sup> )<br>2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)   |  |  |  |
| 2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 2x (0.5 1.5 mm <sup>2</sup> )<br>2x (0.5 2.5 mm <sup>2</sup> )<br>2x (20 14)  |  |  |  |
| 2x (0.5 2.5 mm²)<br>2x (20 14)  |  |  |  |
| 2x (20 14)  |  |  |  |
|   |  |  |  |
| 18 1  |  |  |  |
| 18 1  |  |  |  |
|   |  |  |  |
| 20 14   |  |  |  |
| 20  |  |  |  |
|   |  |  |  |
| Yes   |  |  |  |
| No  |  |  |  |
| Yes   |  |  |  |
| 1 000 000   |  |  |  |
|   |  |  |  |
| 40 %  |  |  |  |
| 73 %  |  |  |  |
| 100 FIT   |  |  |  |
| 20 a  |  |  |  |
| 20 0  |  |  |  |
| IP20  |  |  |  |
| finger-safe, for vertical contact from the front  |  |  |  |
|   |  |  |  |
|   |  |  |  |
|   |  |  |  |
| Miscellaneous KC  |  |  |  |
| of Ma- Declaration of Conformity Test Certificates  |  |  |  |
| EG-Konf. UK CART Type Test Certific-<br>ates/Test Report  |  |  |  |
|   |  |  |  |

| Test Certificates             | Marine / Shipping |                     |                     |                            |                                  |
|-------------------------------|-------------------|---------------------|---------------------|----------------------------|----------------------------------|
| Special Test Certific-<br>ate | ABS               | BUREAU<br>VERITAS   |                     | Llovd's<br>Register<br>urs | PRS                              |
| Marine / Shipping             |                   | other               | Railway             | Dangerous Good             | Environment                      |
| RINA                          | RMRS              | <u>Confirmation</u> | Vibration and Shock | Transport Information      | Environmental Con-<br>firmations |

#### **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=3RT2038-3NF30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2038-3NF30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-3NF30

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

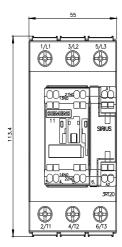
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2038-3NF30&lang=en

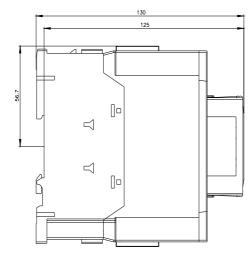
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

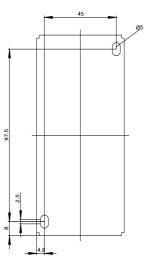
https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-3NF30/char

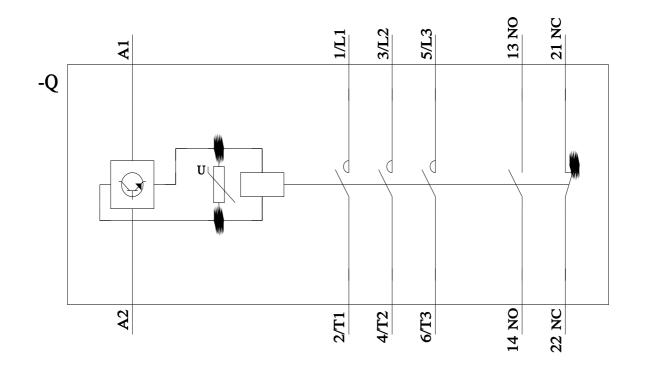
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2038-3NF30&objecttype=14&gridview=view1









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