## **SIEMENS**

Data sheet 3RT2035-1AM20



power contactor, AC-3e/AC-3, 41 A, 18.5 kW / 400 V, 3-pole, 208 V AC, 50/60 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal

| product brand name  | SIRIUS                      |
|---|-----------------------------|
| product designation   | Power contactor             |
| product type designation  | 3RT2                        |
| General technical data  |                             |
| size of contactor   | S2                          |
| product extension   |                             |
| <ul> <li>function module for communication</li> </ul>   | No                          |
| <ul> <li>auxiliary switch</li> </ul>  | Yes                         |
| power loss [W] for rated value of the current   |                             |
| <ul> <li>at AC in hot operating state</li> </ul>  | 6.6 W                       |
| <ul> <li>at AC in hot operating state per pole</li> </ul>   | 2.2 W                       |
| <ul> <li>without load current share typical</li> </ul>  | 17.2 W                      |
| insulation voltage  |                             |
| <ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>                                  | 690 V                       |
| <ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>                             | 690 V                       |
| surge voltage resistance  |                             |
| <ul> <li>of main circuit rated value</li> </ul>   | 6 kV                        |
| <ul> <li>of auxiliary circuit rated value</li> </ul>  | 6 kV                        |
| maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1       | 400 V                       |
| shock resistance at rectangular impulse   |                             |
| • at AC   | 11.8g / 5 ms, 7.4g / 10 ms  |
| shock resistance with sine pulse  |                             |
| • at AC   | 18.5g / 5 ms, 11.6g / 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<br/>typical</li> </ul>                          | 10 000 000                  |
| reference code according to IEC 81346-2   | Q                           |
| Substance Prohibitance (Date)   | 10/01/2014                  |
| 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  |                             |

| intumber of Police for Main Current circuit intumber of Wood protective for main current circuit intumber of Wood protective for main current operating vottage  at AC-3 rated value maximum  at AC-1 at 400 V at ambient temperature 40 °C  rated value  at AC-3 at 400 V at ambient temperature 60 °C  rated value  at AC-3  at 400 V rated value  at AC-3 at 00 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 to 600 V rated value  at AC-3 at 00 V for current peak value n=20 rated value  at AC-3 at 00 V rated value  at 10 v rated  |   | 0      |
|--|---|--------|
| operating voltage  | number of poles for main current circuit                          | 3      |
| • at AC-3 rated value maximum • at AC-3 rated value maximum • at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC-1 • at AC-1 • at AC-1 • at AC-1 • at 00 V at ambient temperature 60 °C rated value • up to 690 V at ambient temperature 60 °C rated value • up to 690 V at ambient temperature 60 °C rated value • at AC-3 • at 400-7 stade value • at 500 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V rated value • at AC-3 au to 600 V for current peak value n=20 rated value • au to 100 V for current peak value n=20 rated value • au to 100 V for current peak value n=20 rated value • au to 100 V for current peak value n=20 rated value • au to 100 V for current peak value n=20 rated value • au to 100 V for current peak value n=20 rated value • au to 100 V for current peak value n=20 rated value • au to 100 V for current peak value n=30 rated value • au to 400 V rated value • au  |   | 3      |
| ■ at AC-3e rated value maximum opporational current       ■ at AC-1 at 400 V at ambient temperature 40 °C rated value       ■ at AC-1       ■ up to 890 V at ambient temperature 40 °C rated value       ■ up to 890 V at ambient temperature 60 °C rated value       ■ up to 890 V at ambient temperature 60 °C rated value       ■ at AC-3       ■ at 400 V rated value       ■ at 690 V rated value       ■ at 400 V rated value       ■ at AC-3       ■ at 400 V rated value       ■ at 690 V rated value       ■ at AC-3       ■ at 400 V rated value       ■ at AC-3       ■ at 400 V rated value       ■ at AC-5 up to 400 V rated value       ■ at AC-5 up to 400 V rated value       ■ at AC-5 up to 400 V rated value       ■ at AC-5 up to 400 V for current peak value n=20 rated value       ■ up to 230 V for current peak value n=20 rated value       ■ up to 900 V for current peak value n=20 rated value       ■ up to 900 V for current peak value n=20 rated value       ■ up to 900 V for current peak value n=30 rated value       ■ up to 900 V for current peak value n=30 rated value       ■ up to 900 V for current peak value n=30 rated value       ■ up to 900 V for current peak value n=30 rated value       ■ up to 900 V for current peak value n=30 rated value       ■ up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V for current peak value n=30 rated value       ■ at AC-6 up to 900 V f       |   | 000.17 |
| operational current  |   |        |
| ** at AC-1 at 400 V at ambient temperature 40 °C rated value     ** at AC-1     — up to 690 V at ambient temperature 40 °C rated value     — up to 590 V at ambient temperature 60 °C rated value     — up to 590 V at ambient temperature 60 °C rated value     — at 500 V rated value     — at 500 V rated value     — at 600 V rated value     — up to 680 V rated value     — up to 680 V rated value     — up to 680 V for current peak value n=20 rated value     — up to 680 V for current peak value n=20 rated value     — up to 680 V for current peak value n=20 rated value     — up to 680 V for current peak value n=20 rated value     — up to 680 V for current peak value n=20 rated value     — up to 580 V for current peak value n=20 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 580 V for current peak value n=30 rated value     — up to 590 V for current peak value n=30 rated value     — up to 590 V for current peak value n=30 rated value     — up to 200 V for current peak value n=30 rated value     — up to 200 V for current peak value n=30 rated value     — up to 200 V for current peak value n=30 rated value     — at 600 V rated value     —      |   | 690 V  |
| rated value — up to 590 V at ambient temperature 40 °C rated value — up to 590 V at ambient temperature 60 °C rated value — at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 41 A — at 500 V rated value — at 41 A — at 500 V rated value — at 41 A — at 500 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value — at AC-3a — at 400 V rated value — at AC-3a — at 400 V rated value — at AC-3a — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value —  | •   | 00.4   |
| e at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 990 V at ambient temperature 60 °C rated value  e at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at AC-3e up to 690 V rated value — at AC-3e up to 690 V rated value — at AC-5e up to 690 V rated value — at AC-5e up to 690 V rated value — at AC-5e up to 690 V rated value — up to 230 V for current peak value n=20 rated value — up to 590 V for current peak value n=20 rated value — up to 590 V for current peak value n=30 rated value — up to 1690 V for current peak value n=30 rated value — up to 590 V for current peak value n=30 rated value — up to 1690 V for current peak value n=30 rated value — up to 590 V for current p |   | 60 A   |
| — up to 890 V at ambient temperature 40 °C rated value — up to 890 V at ambient temperature 80 °C rated value • at AC-3 — at 400 V rated value • at 500 V rated value — at 590 V rated value — at 590 V rated value — at 690 V rated value — at AC-4 at 400 V rated value — at AC-5 au pto 690 V rated value — at AC-6 au pto 690 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — at 600 V  |   |        |
| rated value — up to 800 vt ambient temperature 60 °C rated value — at 400 V rated value — at 500 V rated value — at 600 V rated value — up to 230 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — |   | 60 Δ   |
| rated value  |   | 00 A   |
| rated value  | — up to 690 V at ambient temperature 60 °C                        | 55 A   |
| at 400 V rated value at 500 V rated value at 600 V rated value at 600 V rated value at 400 V rated value at 600 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value at 600 V rated value n=30 rated value nup to 690 V for current peak value n=30 rated value nup to 690 V for current peak value n=   |   |        |
|  | • at AC-3   |        |
| at 690 V rated value  - at 400 V rated value  at 500 V rated value  at 500 V rated value  at 690 V rated value  at 670 V rourrent peak value n=20 rated value  up to 590 V for current peak value n=20 rated value  up to 590 V for current peak value n=20 rated value  up to 690 V for current peak value n=20 rated value  up to 590 V for current peak value n=30 rated value  up to 590 V for current peak value n=30 rated value  up to 590 V for current peak value n=30 rated value  up to 590 V for current peak value n=30 rated value  up to 590 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value  at 600 V rated value  at 600   | — at 400 V rated value  | 41 A   |
| at AG-3a     — at 400 V rated value     — at 500 V rated value     — at 500 V rated value     — at 690 V rated value     3t AG-4 at 400 V rated value     3t AG-5a up to 800 V rated value     33.2 A     at AG-5a up to 800 V rated value     — up to 230 V for current peak value n=20 rated     value     — up to 400 V for current peak value n=20 rated     value     — up to 500 V for current peak value n=20 rated     value     — up to 500 V for current peak value n=20 rated     value     — up to 690 V for current peak value n=20 rated     value     — up to 690 V for current peak value n=20 rated     value     — up to 690 V for current peak value n=20 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 500 V for current peak value n=30 rated     value     — up to 500 V for current peak value n=30 rated     value     — up to 500 V for current peak value n=30 rated     value     — up to 500 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     — up to 690 V for current peak value n=30 rated     value     value     — up to 690 V for current peak value n=30 rated     valu      | — at 500 V rated value  | 41 A   |
| at 400 V rated value   | — at 690 V rated value  | 24 A   |
| at 500 V rated value   | • at AC-3e  |        |
| - at 690 V rated value   | — at 400 V rated value  | 41 A   |
| at AC-4 at 400 V rated value     at AC-5u p to 690 V rated value     at AC-5u p to 400 V rated value     at AC-5u p to 400 V rated value     at AC-5u p to 400 V rated value n=20 rated value     — up to 300 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 690 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — at 690 V rated value     — at 690 V rated value     — at 690 V rated value     — at 110 V rated value     — at 22 V rated value     — at 22 V rated value     — at 24 V rated value     — at 24 V rated value     — at 24 V rated value     — at 600 V rated valu      | — at 500 V rated value  |        |
| • at AC-5a up to 690 V rated value • at AC-5b up to 200 V rated value • at AC-5b up to 200 V for current peak value n=20 rated value — up to 200 V for current peak value n=20 rated value — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value • at AC-6a — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 600 V rated value — at 400 V rated value — at 20 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value — at |   |        |
| at AC-5b up to 400 V rated value     at AC-5b up to 400 V for current peak value n=20 rated value     — up to 230 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 690 V for current peak value n=30 rated value     — up to 400 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — at 400 V rated value     — at 400 V rated value     — at 24 V rated value     — at 24 V rated value     — at 440 V rated value     — at 55 A     — at 220 V rated value     — at 440 V rated value     — at 60 V rated val      |   |        |
| at AC-6a     — up to 230 V for current peak value n=20 rated value     — up to 400 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 500 V for current peak value n=20 rated value     — up to 690 V for current peak value n=20 rated value     — up to 690 V for current peak value n=20 rated value     — up to 230 V for current peak value n=30 rated value     — up to 200 V for current peak value n=30 rated value     — up to 400 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 500 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — up to 690 V for current peak value n=30 rated value     — at 400 V rated value     — at 400 V rated value     — at 600 V rated value     — at 7 Current path at DC-1     — at 24 V rated value     — at 600 V rated value     — at 600 V rated value     — at 400 V rated value     — at 220 V rated value     — at 24 V rated value     — at 60 V rated      |   |        |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 200 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V rated value  |   | 33.2 A |
| value  |   |        |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for value value up to 690 V for value value at 490 V rated value at 600 V rated value at 440 V rated value at 600 V rated value  |   | 36.5 A |
| value         — up to 500 V for current peak value n=20 rated value         — up to 690 V for current peak value n=20 rated value         ● at AC-6a         — up to 230 V for current peak value n=30 rated value         — up to 230 V for current peak value n=30 rated value         — up to 400 V for current peak value n=30 rated value         — up to 500 V for current peak value n=30 rated value         — up to 500 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 400 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value          — up to 400 V for current peak value n=30 rated value          — up to 400 V for current peak value n=30 rated value          — at 600 V rated value          — at 100 V rated value          — at 24 V rated value          — at 24 V rated value          — at 440 V rated value          — at 600 V rated value          — at 600 V rated value          — at 600 V rated value          — at 60 V rated value          — at 24 V rated value          — at 60 V rated val  |   | 26 5 4 |
| up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value valu   |   | 30.3 A |
| value         — up to 690 V for current peak value n=20 rated value         • at AC-6a         — up to 230 V for current peak value n=30 rated value         — up to 400 V for current peak value n=30 rated value         — up to 500 V for current peak value n=30 rated value         — up to 500 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — up to 690 V for current peak value n=30 rated value         — at 400 V rated value         — at 400 V rated value         — at 690 V rated value         — at 600 V rated value         — at 60 V rated value         — at 60 V rated value         — at 600 V rated value         — at 600 V rated value         — at 600 V rated value         — at 60 V rated value         — at 24 V rated value         — at 24 V rated value         — at 24 V rated value         — at 60 V rated value         — at 24 V rated value         — at 60 V rated value         —  |   | 36.5 A |
| • at AC-6a — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value  operational current for approx. 200000 operating cycles at AC-4  ■ at 400 V rated value ■ at 690 V rated value ■ at 10 V rated value — at 24 V rated value — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 25 A  ■ with 2 current paths in series at DC-1 — at 24 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — 55 A  ■ 56 A  ■ 600 V rated value — 600 V rated value — 600 V rated value — 75 A  ■ 600 V rated value — 75 A  ■ 75 A   |   |        |
| • at AC-6a  — up to 230 V for current peak value n=30 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 1 current path at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 60 V rated value — at 440 V rated value — at 60 V rated value — at 60 V rated value — at 440 V rated value — at 55 A  | <ul> <li>up to 690 V for current peak value n=20 rated</li> </ul> | 24 A   |
| up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value nated va   | value   |        |
| value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value — at 55 A — at 80 V rated value — at 410 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — 55 A — at 600 V rated value — 55 A — at 220 V rated value — 55 A — at 220 V rated value — 55 A — at 220 V rated value — 55 A  | • at AC-6a  |        |
| - up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1  - at 24 V rated value - at 60 V rated value - at 400 V rated value - at 440 V rated value - at 440 V rated value - at 440 V rated value - at 600 V rate |   | 24.2 A |
| value         24.2 A           — up to 500 V for current peak value n=30 rated value         24.2 A           — up to 690 V for current peak value n=30 rated value         24 A           minimum cross-section in main circuit at maximum AC-1 rated value         16 mm²           operational current for approx. 200000 operating cycles at AC-4         22 A           • at 400 V rated value         18.5 A           operational current         41 SA           • at 1 current path at DC-1         55 A           — at 24 V rated value         23 A           — at 60 V rated value         4.5 A           — at 220 V rated value         1 A           — at 440 V rated value         0.4 A           — at 600 V rated value         0.25 A           • with 2 current paths in series at DC-1         55 A           — at 60 V rated value         45 A           — at 220 V rated value         45 A           — at 220 V rated value         5 A           — at 440 V rated value         45 A           — at 60 V rated value         5 A           — at 60 V rated value         5 A           — at 24 V rated value         5 A           — at 600 V rated value         5 A           — at 600 V rated value         5 A           — at 600 V  |   | 04.0.4 |
| - up to 500 V for current peak value n=30 rated value  - up to 690 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  ■ at 400 V rated value ■ at 690 V rated value ■ at 690 V rated value  ■ at 1 current path at DC-1  — at 24 V rated value — at 60 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 60 V rated value — 55 A — at 440 V rated value — 50 A — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600   |   | 24.2 A |
| value  |   | 24 2 A |
| walue minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4   |   |        |
| minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value 22 A • at 690 V rated value 18.5 A  operational current  • at 1 current path at DC-1  — at 24 V rated value 23 A — at 110 V rated value 4.5 A — at 220 V rated value 1A — at 440 V rated value 1A — at 440 V rated value 0.4 A — at 600 V rated value 0.25 A  • with 2 current paths in series at DC-1  — at 24 V rated value 55 A — at 10 V rated value 55 A  • at 10 V rated value 55 A  • with 2 current paths in series at DC-1  — at 24 V rated value 45 A — at 110 V rated value 55 A — at 440 V rated value 55 A — at 600 V rated value 55 A — at 440 V rated value 55 A — at 440 V rated value 55 A — at 600 V rated value 55 A — at 440 V rated value 55 A  • with 3 current paths in series at DC-1 — at 24 V rated value 55 A   | <ul> <li>up to 690 V for current peak value n=30 rated</li> </ul> | 24 A   |
| rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 1 current path at DC-1  — at 24 V rated value — at 600 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 22 V rated value — at 600 V rated value — at 22 V rated value — at 600 V | value   |        |
| operational current for approx. 200000 operating cycles at AC-4  |   | 16 mm² |
| e at 400 V rated value   |   |        |
| <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>18.5 A</li> <li>operational current</li> <li>at 1 current path 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 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 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> </ul>  |   |        |
| • at 690 V rated value  operational current  • at 1 current path at DC-1  — 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 — at 2 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 120 V rated value — at 60 V rated value — at 24 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value  • with 3 current paths in series at DC-1 — at 24 V rated value  55 A  |   | 22 A   |
| operational current  |   |        |
| • at 1 current path at DC-1  — at 24 V rated value 55 A  — at 60 V rated value 23 A  — at 110 V rated value 4.5 A  — at 220 V rated value 1 A  — at 440 V rated value 0.4 A  — at 600 V rated value 0.25 A  • with 2 current paths in series at DC-1  — at 24 V rated value 45 A  — at 110 V rated value 45 A  — at 110 V rated value 45 A  — at 220 V rated value 5 A  — at 440 V rated value 5 A  — at 440 V rated value 5 A  — at 460 V rated value 5 A  — at 220 V rated value 5 A  — at 440 V rated value 5 A  — at 440 V rated value 5 A  — at 440 V rated value 5 A  • with 3 current paths in series at DC-1  — at 24 V rated value 55 A   |   |        |
| - at 24 V rated value 55 A - at 60 V rated value 23 A - at 110 V rated value 4.5 A - at 220 V rated value 1 A - at 440 V rated value 0.4 A - at 600 V rated value 0.25 A  • with 2 current paths in series at DC-1 - at 24 V rated value 55 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 220 V rated value 5 A - at 24 V rated value 45 A - at 24 V rated value 5 A - at 440 V rated value 5 A - at 450 V rated value 5 A - at 440 V rated value 5 A - at 440 V rated value 5 A - at 440 V rated value 5 A - at 24 V rated value 5 A - at 24 V rated value 55 A - at 24 V rated value 55 A  | •   |        |
| - at 60 V rated value 23 A - at 110 V rated value 4.5 A - at 220 V rated value 1 A - at 440 V rated value 0.4 A - at 600 V rated value 0.25 A  • with 2 current paths in series at DC-1 - at 24 V rated value 45 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 220 V rated value 5 A - at 440 V rated value 45 A - at 440 V rated value 5 A - at 440 V rated value 5 A - at 440 V rated value 1 A - at 600 V rated value 5 A - at 440 V rated value 55 A - at 440 V rated value 55 A - at 440 V rated value 55 A  |   | 55 A   |
| - at 110 V rated value 4.5 A - at 220 V rated value 1 A - at 440 V rated value 0.4 A - at 600 V rated value 0.25 A  • with 2 current paths in series at DC-1 - at 24 V rated value 55 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 220 V rated value 55 A - at 440 V rated value 1 A - at 600 V rated value 1 A - at 24 V rated value 55 A  • with 3 current paths in series at DC-1 - at 24 V rated value 55 A  |   |        |
| - at 440 V rated value 0.4 A - at 600 V rated value 0.25 A  • with 2 current paths in series at DC-1 - at 24 V rated value 55 A - at 60 V rated value 45 A - at 110 V rated value 45 A - at 220 V rated value 5 A - at 440 V rated value 1 A - at 600 V rated value 0.8 A  • with 3 current paths in series at DC-1 - at 24 V rated value 55 A   | — at 110 V rated value  | 4.5 A  |
| <ul> <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 24 V rated value</li> <li>— at 24 V rated value</li> <li>55 A</li> </ul>   | — at 220 V rated value  | 1 A    |
| <ul> <li>with 2 current paths in series at DC-1         <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>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> </li> <li>with 3 current paths in series at DC-1         <ul> <li>at 24 V rated value</li> <li>55 A</li> </ul> </li> </ul>  | — at 440 V rated value  | 0.4 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>— at 440 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> <li>— at 24 V rated value</li> <li>55 A</li> </ul>  | — at 600 V rated value  | 0.25 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 440 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> <li>— at 24 V rated value</li> <li>55 A</li> </ul>   | <ul> <li>with 2 current paths in series at DC-1</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>• with 3 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>45 A</li> <li>5 A</li> <li>■ 0.8 A</li> <li>■ 55 A</li> </ul>  | — at 24 V rated value   | 55 A   |
| - at 220 V rated value 5 A - at 440 V rated value 1 A - at 600 V rated value 0.8 A  • with 3 current paths in series at DC-1 - at 24 V rated value 55 A  | — at 60 V rated value   | 45 A   |
| <ul> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>55 A</li> </ul>  | — at 110 V rated value  | 45 A   |
| <ul> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>55 A</li> </ul>  | — at 220 V rated value  |        |
| • with 3 current paths in series at DC-1 — at 24 V rated value 55 A  |   |        |
| — at 24 V rated value 55 A   |   | 0.8 A  |
|  | -   |        |
| — at 60 V rated value 55 A   |   |        |
|  | — at 60 V rated value   | 55 A   |

| — at 110 V rated value  | 55 A  |
|---|---|
| — at 110 V rated value  — at 220 V rated value  | 45 A  |
| — at 440 V rated value  | 2.9 A   |
| — at 600 V rated value  | 1.4 A   |
| • at 1 current path at DC-3 at DC-5   | 1.171   |
| — 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  |
| • with 2 current paths in series at DC-3 at DC-5  | 0.0071  |
| — 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  | 18.5 kW   |
| • at AC-3   |   |
| — at 230 V rated value  | 11 kW   |
| — at 400 V rated value  | 18.5 kW   |
| — at 500 V rated value  | 22 kW   |
| — at 690 V rated value  | 22 kW   |
| • at AC-3e  |   |
| — at 230 V rated value  | 11 kW   |
| — at 400 V rated value  | 18.5 kW   |
| — at 500 V rated value  | 22 kW   |
| — at 690 V rated value  | 22 kW   |
| operating power for approx. 200000 operating cycles   |   |
| at AC-4   |   |
| at 400 V rated value  | 11.6 kW   |
| at 690 V rated value  | 16.8 kW   |
| operating apparent power at AC-6a   |   |
| <ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>                                 | 14.5 kVA  |
| <ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>                                 | 25.2 kVA  |
| • up to 500 V for current peak value n=20 rated value   | 31.6 kVA  |
| • up to 690 V for current peak value n=20 rated value   | 28.6 kVA  |
| operating apparent power at AC-6a   | 0.011/4   |
| • up to 230 V for current peak value n=30 rated value   | 9.6 kVA   |
| • up to 400 V for current peak value n=30 rated value   | 16.8 kVA  |
| • up to 500 V for current peak value n=30 rated value   | 21 kVA  |
| • up to 690 V for current peak value n=30 rated value   | 28.6 kVA  |
| short-time withstand current in cold operating state up to 40 °C  |   |
| Iimited to 1 s switching at zero current maximum  | 843 A; Use minimum cross-section acc. to AC-1 rated value       |
| limited to 1's switching at zero current maximum     limited to 5's switching at zero current maximum   | 596 A; Use minimum cross-section acc. to AC-1 rated value       |
| Ilmited to 3 s switching at zero current maximum     Imited to 10 s switching at zero current maximum   | 400 A; Use minimum cross-section acc. to AC-1 rated value       |
| limited to 10's switching at zero current maximum     limited to 30 s switching at zero current maximum | 241 A; Use minimum cross-section acc. to AC-1 rated value       |
| limited to 50 s switching at zero current maximum   | 196 A; Use minimum cross-section acc. to AC-1 rated value       |
| no-load switching frequency   | 1.55.1., 500 Hillimitati 5.000 000tion 000. to 710 Trated value |
| • at AC   | 5 000 1/h   |
| operating frequency   |   |
| • at AC-1 maximum   | 1 200 1/h   |
| • at AC-2 maximum   | 750 1/h   |
| • at AC-3 maximum   | 1 000 1/h   |
| at AC-3e maximum  | 1 000 1/h   |
|   |   |

| • at AC-4 maximum  | 300 1/h  |
|--|--|
| Control circuit/ Control   |  |
| type of voltage of the control supply voltage                      | AC   |
| control supply voltage at AC                                       |  |
| • at 50 Hz rated value   | 208 V  |
| at 60 Hz rated value   | 208 V  |
| operating range factor control supply voltage rated                |  |
| value of magnet coil at AC   |  |
| • at 50 Hz   | 0.8 1.1  |
| ● at 60 Hz   | 0.85 1.1   |
| apparent pick-up power of magnet coil at AC                        |  |
| ● at 50 Hz   | 210 VA   |
| ● at 60 Hz   | 188 VA   |
| inductive power factor with closing power of the coil              |  |
| ● at 50 Hz   | 0.69   |
| ● at 60 Hz   | 0.65   |
| apparent holding power of magnet coil at AC                        |  |
| ● at 50 Hz   | 17.2 VA  |
| • at 60 Hz   | 16.5 VA  |
| inductive power factor with the holding power of the coil          |  |
| • at 50 Hz   | 0.36   |
| • at 60 Hz   | 0.39   |
| closing delay  |  |
| • at AC  | 10 80 ms   |
| opening delay  |  |
| • at AC  | 10 18 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                       | 1  |
| instantaneous contact  |  |
| number of NO contacts for auxiliary contacts instantaneous 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   |
| <ul> <li>at 400 V rated value</li> </ul>                           | 3 A  |
| <ul> <li>at 500 V rated value</li> </ul>                           | 2 A  |
| <ul> <li>at 690 V rated value</li> </ul>                           | 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     at 125 V rated value                      | 1 A  |
| at 125 V rated value   | 0.9 A  |
| at 220 V rated value     at 600 V rated value                      | 0.3 A  |
| at 600 V rated value  contact reliability of auxiliary contacts.   | 0.1 A  1 foulty awitching per 100 million (17.)/ 1 mA) |
| 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   | 40 A   |
| at 600 V rated value   | 41 A   |
| yielded mechanical performance [hp]                                |  |
| • for single-phase AC motor  | 0.1  |
| — at 110/120 V rated value   | 3 hp   |

| <ul> <li>for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  — at 575/600 V rated value  40 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  for short-circuit protection of the main circuit  — with type of coordination 1 required  gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (418 V, 80 kA)</li> </ul>   | 10001/   | 751   |
|---|--|---|
| - al 200/200 V rated value   15 hp   15 hp   20 kp   2  | — at 230 V rated value                                       | 7.5 hp  |
|   | •  | 10 hp   |
| al 480/480 V rated value al 575/800 V rated value al 575/800 V rated value contact rating of auxiliary contacts according to UL  Short-circuit protection design of the fue link • for short-circuit protection of the main circuit with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • side-by-side mounting  |  | ·   |
|   |  | ·   |
| contact rating of auxiliary contacts according to UL  Short-circuit protocition  design of the fuse link  • for short-circuit protoection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • fall switch  |  | ·   |
| Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for stall-ation mounting dimensions  mounting position  • side-by-side mounting • side-by-side mounting • with side-by-side mounting • for wards • downwards • downwards • for main the side • for grounded parts  • for wards • for wa  |  | ·   |
| design of the fuse link   |  |   |
| For short-circuit protection of the main circuit   With type of coordination 1 required   |  |   |
| - with type of assignment 2 required  | •  |   |
| - with type of assignment 2 required  | <ul> <li>— with type of coordination 1 required</li> </ul>   | gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 |
| required    Installation / mounting / dimensions  | — with type of assignment 2 required                         | gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)     |
| mounting position mounting position fastening method side-by-side mounting height width depth - convertised mounting - with side-by-side mounting - upwards - upwards - upwards - upwards - the side - upwards - the side - downwards - the side - the   |  | gG: 10 A (500 V, 1 kA)  |
| ### Af-180° rotation possible on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  • side-by-side mounting    height  | ·  |   |
| forward and backward by +/- 22.5° on vertical mounting surfaces screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 80715  * side-by-side mounting height width depth required spacing  • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — for grounded parts — at the side — downwards — at the side — downwards — at the side — downwards — to five parts — for live parts — for live parts — upwards — at the side — downwards — to man — at the side — downwards — to man — to five parts — for main current circuit — for auxiliary and control circuit — of or auxiliary contacts — finely stranded with core end processing connectable conductor cross-section for main contacts — finely stranded with core end processing type of connectable conductor cross-sections — finely stranded with core end processing type of connectable conductor cross-sections — finely stranded with core end processing type of connectable conductor cross-sections — finely stranded with core end processing type of connectable conductor cross-sections — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded — finely stranded with core end processing type of connectable conductor cross-sections — solid or stranded — finely stranded with core end processing type of connectable conductor cross-secti  |  |   |
| screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  side-by-side mounting height width 55 mm  depth 114 mm width 55 mm  depth 130 mm required sacing  with side-by-side mounting  - forwards 10 mm - upwards 10 mm - at the side 0 0 mm - for grounded parts  - forwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - of this parts 10 mm - of mine parts 10 mm - for live parts 10 mm - for live parts 10 mm - for availiary and control circuit 10 mm - for or auxiliary and control cross-section for main contacts  • finely stranded with core end processing connectable conductor cross-section for main contacts  • finely stranded with core end processing connectable conductor cross-sections of for auxiliary contacts  • finely stranded with core end processing type of connectable conductor cross-sections of for auxiliary contacts  • finely stranded with core end processing type of connectable conductor cross-sections of for auxiliary contacts  • finely stranded with core end processing type of connectable conductor cross-sections of main contacts  • finely stranded with core end processing type of connectable conductor cross-sections of real contacts  • finely stranded with core end processing type of connectable conductor cross-sections  • for auxiliary contacts  • for auxiliary con  | mounting position  |   |
| height width 55 mm 55 mm 55 mm 56 mm  | fastening method   | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN    |
| height width depth 55 mm 130 m  | side-by-side mounting  |   |
| width depth 130 mm required spacing  with side-by-side mounting — forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm — orwards 10 mm — upwards 10 mm — upwards 10 mm — orwards 10 mm  with side by the side of th  |  |   |
| required spacing  with side-by-side mounting  forwards  | _  |   |
| with side-by-side mounting  - forwards - upwards - downwards - at the side o mm  for grounded parts - forwards - upwards - upwards - at the side o mm  - at the side o mm  - at the side o mm  - at the side o for live parts - forwards - for live parts - for wards - upwards - downwards - upwards - for live parts - forwards - upwards - downwards - upwards - upwards - downwards - upwards - downwards - downwards - downwards - at the side - downwards - at the side  Connections/ Terminals  type of electrical connection of ror amin current circuit of ror auxiliary and control circuit of ror auxiliary and control circuit of promain current circuit of magnet coil type of connectable conductor cross-sections for main contacts of inley stranded with core end processing connectable conductor cross-section for main contacts of inley stranded with core end processing connectable conductor cross-section for auxiliary contacts of inley stranded with core end processing onnectable conductor cross-section for auxiliary contacts of inley stranded with core end processing onnectable conductor cross-sections of connectable conductor cross-sections   | depth  | 130 mm  |
| forwards upwards upwards downwards at the side downwards at the side downwards at the side downwards upwards upwards upwards upwards downwards at the side downwards downwards downwards downwards downwards upwards upwards upwards upwards upwards downwards at the side downwards downwards at the side downwards downwards at the side downwards -  | •  |   |
| forwards upwards upwards downwards at the side downwards at the side downwards at the side for grounded parts forwards upwards upwards downwards at the side downwards downwards downwards forwards forwards upwards upwards upwards upwards upwards upwards upwards downwards at the side downwards downwar  | <ul><li>with side-by-side mounting</li></ul>                 |   |
| - downwards - at the side • for grounded parts - forwards - upwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - for live parts - forwards - upwards - downwards - downwards - downwards - downwards - at the side - downwards - at the side - forman current circuit • for auxiliary and control circuit • for main current circuit • for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |  | 10 mm   |
| - at the side  • for grounded parts  - forwards  - upwards  - at the side  - downwards  • for live parts  - forwards  10 mm  • for live parts  - forwards  10 mm  • for live parts  - forwards  10 mm  • for live parts  - upwards  10 mm  - downwards  10 mm  - downwards  - at the side  6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid or stranded  • finely stranded with core end processing  connectable conductor cross-section for main contacts  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  connectable conductor cross-section for auxiliary  contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary contacts  - solid or stranded  • for auxiliary contacts  - solid or stranded  • for auxiliary contacts  - solid or stranded  | — upwards  | 10 mm   |
| • for grounded parts     — forwards     — upwards     — at the side     — downwards     — for live parts     — forwards     — upwards     — for live parts     — forwards     — upwards     — forwards     — upwards     — upwards     — upwards     — downwards     — downwards     — at the side     — downwards     — at the side     — downwards     — at the side     — for main current circuit     • for auxiliary and control circuit     • at contactor for auxiliary contacts     • of magnet coil     type of connectable conductor cross-sections for main contacts     • solid or stranded     • finely stranded with core end processing     connectable conductor cross-section for main contacts     • solid or stranded     • finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts     • solid or stranded     • finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts     • solid or stranded     • finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • finely stranded with core end processing     • solid or stranded     • finely stranded with core end processing     • for auxiliary contacts     — solid or stranded     • for auxiliary contacts     — solid or stranded  | — downwards  | 10 mm   |
| - forwards  | — at the side  | 0 mm  |
| - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - downwards - upwards - downwards - downwards - downwards - at the side - downwards - at the side - formals - upwards - at the side - for mm - formals   **Connections/ Terminals**  **Type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  **type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded  • for auxiliary contacts - solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  | <ul><li>for grounded parts</li></ul>                         |   |
| - at the side   | — forwards   |   |
| - downwards • for live parts - forwards - upwards - downwards - at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary contacts • for auxiliary contacts • finely stranded with core end processing connectable conductor cross-sections of finely stranded with core end processing type of connectable conductor cross-sections of finely stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded  2x (1 35 mm²  1 35 mm²  2x (1 25 mm²  0.5 2.5 mm²  0.5 2.5 mm²  1 35 mm²  2x (1 35 mm²  2x (1 35 mm²  2x (1 35 mm²  2x (1 35 mm²)  2x (1 35 mm²  2x (1 35 mm²)  | •  |   |
| • for live parts — forwards — upwards — downwards — at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for and the side • for side of the side • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing tonnectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded  |  |   |
| forwards upwards upwards downwards at the side  |  | 10 mm   |
| - upwards - downwards - at the side  Connections/ Terminals  type of electrical connection  |  |   |
| - downwards - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing to 5 2.5 mm²  type of connectable conductor cross-sections • for auxiliary contacts  - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |  |   |
| Connections/ Terminals  type of electrical connection  • for main current circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • solid or stranded  | •  |   |
| type of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |  |   |
| type of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts  - solid or stranded  • for auxiliary contacts - solid or stranded  • for auxiliary contacts - solid or stranded  • for auxiliary contacts - solid or stranded  2x (1 35 mm²), 1x (1 50 mm²)  1 35 mm²  1 35 mm²  2 2.5 mm²  0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |  | 6 mm  |
| <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>of inely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>  |  |   |
| <ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>fo</li></ul>                              |  | screw-tyne terminals  |
| <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <l< td=""><td></td><td>• •</td></l<></ul> |  | • •   |
| <ul> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>a connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>a connectable conductor cross-sections</li> <li>b for auxiliary contacts</li> <li>connectable conductor cross-sections</li> <li>connectable</li></ul>   |  |   |
| type of connectable conductor cross-sections for main contacts  • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing tonacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • solid or stranded   |  |   |
| <ul> <li>finely stranded with core end processing connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>2x (1 25 mm²), 1x (1 35 mm²)</li> <li>1 35 mm²</li> <li>0.5 2.5 mm²</li> <li>0.5 2.5 mm²</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>   | type of connectable conductor cross-sections for main        | colon type terminale  |
| <ul> <li>finely stranded with core end processing connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li> <li>2x (1 25 mm²), 1x (1 35 mm²)</li> <li>0.5 35 mm²</li> <li>0.5 2.5 mm²</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>  | solid or stranded  | 2x (1 35 mm²), 1x (1 50 mm²)  |
| connectable conductor cross-section for main contacts  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  | <ul> <li>finely stranded with core end processing</li> </ul> |   |
| connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)   | connectable conductor cross-section for main                 |   |
| <ul> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>  | connectable conductor cross-section for auxiliary            | 1 35 mm²  |
| type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  | <ul> <li>solid or stranded</li> </ul>                        | 0.5 2.5 mm²   |
| ● for auxiliary contacts  — solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  |  | 0.5 2.5 mm <sup>2</sup>   |
| — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)   |  |   |
|   | -  | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)                                   |
|   | <ul> <li>finely stranded with core end processing</li> </ul> |   |
| • at AWG cables for auxiliary contacts 2x (20 16), 2x (18 14)   |  |   |
| AWG number as coded connectable conductor cross section   |  |   |
| • for main contacts 18 1  | for main contacts  | 18 1  |

 for auxiliary contacts 20 ... 14 Safety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-No 5-1 B10 value with high demand rate according to SN 31920 1 000 000 proportion of dangerous failures 40 % with low demand rate according to SN 31920 73 % with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 100 FIT T1 value for proof test interval or service life according to 20 a IEC 61508 protection class IP on the front according to IEC IP20 60529

Certificates/ approvals

suitability for use

## **General Product Approval**

safety-related switching OFF



Confirmation

touch protection on the front according to IEC 60529





finger-safe, for vertical contact from the front

<u>KC</u>



Functional
EMC Safety/Safety of Declaration of Conformity Test Certificates
Machinery

Yes



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping other Railway Dangerous Good Environment



Confirmation

Confirmation

Vibration and Shock

Transport Information

Environmental Confirmations

## Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$ 

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2035-1AM20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-1AM20

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

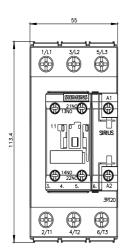
https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1AM20

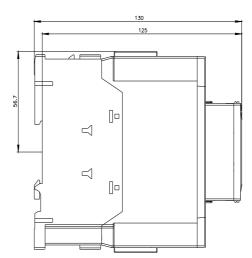
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2035-1AM20&lang=en

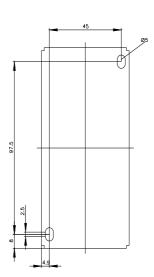
Characteristic: Tripping characteristics, I²t, Let-through current

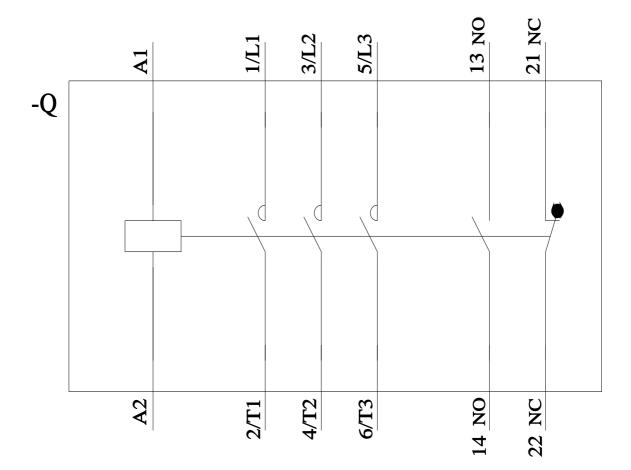
https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1AM20/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1AM20&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1AM20&objecttype=14&gridview=view1</a>









last modified: 2/10/2023 🖸