SIEMENS

Data sheet

3TF6944-0CM7



vacuum contactor AC-3e 630 A, 335 kW / 400 V, AC-3 820 A, 450 kW / 400 V, Ue 690 V, 3-pole, Uc: 200-240 V AC(50/60 Hz) drive: conventional auxiliary contacts 4 NO + 4 NC main circuit: busbar control and auxiliary circuit: screw terminal

| product designation | Vacuum contactor |
|--|--|
| product type designation | 3TF6 |
| General technical data | |
| size of contactor | 14 |
| product extension | |
| function module for communication | No |
| auxiliary switch | No |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 1 000 V |
| • of auxiliary circuit with degree of pollution 3 rated value | 690 V |
| surge voltage resistance | |
| of main circuit rated value | 8 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for protective separation in networks with grounded star point | |
| between auxiliary and auxiliary circuit | 300 V |
| between main and auxiliary circuit | 500 V |
| shock resistance at rectangular impulse | |
| • at AC | 9.5g / 5 ms, 5.7g / 10 ms |
| shock resistance with sine pulse | |
| ● at AC | 13.5g / 5 ms, 7.8g / 10 ms |
| mechanical service life (operating cycles) | |
| of contactor typical | 5 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 03/01/2017 |
| SVHC substance name | Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +55 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity during operation | 10 95 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |
| Main circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| number of NC contacts for main contacts | 0 |

| type of voltage for main current circuit | AC |
|---|---|
| operating voltage | |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| • at AC-1 | |
| — up to 690 V at ambient temperature 40 °C rated value | 910 A |
| — up to 690 V at ambient temperature 55 °C rated value | 850 A |
| • at AC-3 | |
| — at 400 V rated value | 820 A |
| — at 500 V rated value | 820 A |
| — at 690 V rated value | 820 A |
| — at 1000 V rated value | 580 A |
| • at AC-3e | |
| — at 400 V rated value | 630 A |
| — at 500 V rated value | 630 A |
| — at 690 V rated value | 630 A |
| — at 1000 V rated value | 580 A |
| • at AC-4 at 400 V rated value | 690 A |
| ● at AC-6a | |
| — up to 500 V for current peak value n=20 rated value | 675 A |
| — up to 690 V for current peak value n=20 rated value | 675 A |
| ● at AC-6a | |
| — up to 400 V for current peak value n=30 rated value | 450 A |
| — up to 500 V for current peak value n=30 rated value | 450 A |
| — up to 690 V for current peak value n=30 rated value | 450 A |
| connectable conductor cross-section in main circuit at AC- | |
| at 40 °C minimum permissible | 600 mm² |
| operational current for approx. 200000 operating cycles at | |
| AC-4 | 200 A |
| at 400 V rated value | 360 A |
| at 690 V rated value | 360 A |
| operating power • at AC-3 | |
| - at 230 V rated value | 260 kW |
| - at 400 V rated value | 450 kW |
| — at 500 V rated value | 600 kW |
| - at 690 V rated value | 800 kW |
| — at 1000 V rated value | 800 kW |
| • at AC-3e | |
| — at 230 V rated value | 200 kW |
| | |
| — at 400 V rated value | 355 kW |
| — at 400 V rated value — at 690 V rated value | 355 kW 600 kW |
| | |
| — at 690 V rated value | 600 kW |
| — at 690 V rated value — at 1000 V rated value | 600 kW |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a | 600 kW 800 kW |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value | 600 kW 800 kW 445 kVA |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value | 600 kW 800 kW 445 kVA |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a | 600 kW 800 kW 445 kVA 771 kVA |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value | 600 kW 800 kW 445 kVA 771 kVA 297 kVA |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value | 600 kW 800 kW 445 kVA 771 kVA 297 kVA 514 kVA |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a 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 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 | 600 kW 800 kW 445 kVA 771 kVA 297 kVA 514 kVA 7 000 A |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a 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 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 thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor power loss [W] at AC-3e at 400 V for rated value of the | 600 kW 800 kW 445 kVA 771 kVA 297 kVA 514 kVA 7 000 A 70 W |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a 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 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 | 600 kW 800 kW 445 kVA 771 kVA 297 kVA 514 kVA 7 000 A 70 W 70 W |
| at 690 V rated value at 1000 V rated value operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a 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 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 thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor power loss [W] at AC-3e at 400 V for rated value of the operational current per conductor | 600 kW 800 kW 445 kVA 771 kVA 297 kVA 514 kVA 7 000 A 70 W 70 W |

| at 400 \/ m | F00.4/h |
|---|------------------|
| — at 400 V maximum | 500 1/h |
| — at 690 V maximum | 500 1/h |
| • at AC-2 at AC-3 maximum | 200 1/h |
| • at AC-2 at AC-3e maximum | 200 1/h |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | |
| • at 50 Hz rated value | 200 240 V |
| at 60 Hz rated value | 200 240 V |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 1.1 |
| • at 60 Hz | 0.8 1.1 |
| apparent pick-up power | |
| at minimum rated control supply voltage at AC | |
| — at 50 Hz | 600 VA |
| — at 60 Hz | 600 VA |
| at maximum rated control supply voltage at AC | |
| — at 60 Hz | 950 VA |
| — at 50 Hz | 950 VA |
| apparent pick-up power of magnet coil at AC | |
| • at 50 Hz | 600 VA |
| • at 60 Hz | 600 VA |
| inductive power factor with closing power of the coil | |
| ● at 50 Hz | 1 |
| ● at 60 Hz | 1 |
| apparent holding power | |
| at minimum rated control supply voltage at AC | |
| — at 50 Hz | 12.9 VA |
| — at 60 Hz | 12.9 VA |
| at maximum rated control supply voltage at AC | |
| — at 50 Hz | 30.6 VA |
| — at 60 Hz | 30.6 VA |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 12.9 VA |
| • at 60 Hz | 12.9 VA |
| inductive power factor with the holding power of the coil | |
| • at 50 Hz | 0.31 |
| • at 60 Hz | 0.31 |
| closing delay | |
| • at AC | 80 120 ms |
| opening delay | |
| • at AC | 70 130 ms |
| arcing time | 10 15 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts | |
| attachable | 4 |
| instantaneous contact | 4 |
| number of NO contacts for auxiliary contacts | |
| attachable | 4 |
| instantaneous contact | 4 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| • at 230 V rated value | 5.6 A |
| • at 400 V rated value | 3.6 A |
| • at 500 V rated value | 2.5 A |
| • at 690 V rated value | 2.3 A |
| operational current at DC-12 at 440 V rated value | 0.33 A |
| operational current at DC-12 | |
| • at 24 V rated value | 10 A |
| | |

| at 48 V relat value at 100 V relat value 2.5 A at 22 V relat value 2.6 A at 000 V relat value 2.6 A at 000 V relat value 2.7 A 2.8 A 2.9 A A | | |
|---|--|--|
| • at 123 V rated value 2.5 Å • at 230 V rated value 0.9 Å • at 240 V rated value 0.22 Å operational current at DC13 10 Å • at 34 V rated value 5 Å • at 34 V rated value 0.42 Å • at 34 V rated value 0.48 Å • at 350 V rated value 0.48 Å • at 250 V rated value 0.47 Å • at 260 V rated value 0.07 Å • at 360 V rated value 820 Å • at 360 V rated value 820 Å • at 360 V rated value 820 Å • at 360 V rated value 280 hp • or 3 other AC motor - • at 360 V rated value 300 hp - at 200208 V rated value 300 hp - at 3600 V rated value 300 hp </td <td>• at 48 V rated value</td> <td>10 A</td> | • at 48 V rated value | 10 A |
| • at 220 Yrindr value 0.9 A • at 260 V Inside value 0.22 A • at 24 V Inder value 10 A • at 34 V Inder value 10 A • at 43 V Inder value 1.4 A • at 10 V Inder value 0.9 A • at 220 V Inder value 0.07 A • at 300 V Inder value 820 A • at 300 V Inder value 820 A • at 400 V Inder value 700 hp at 57560V Inder Value 820 F • or 400 F Cold Value 820 A (680 V, 100 kA) • or 400 F Cold Value 95 (150 A (680 V, 100 kA) • or 400 F Cold Value | at 110 V rated value | 3.2 A |
| • et 600 V rated value 0.22 A operational current at DC-13 0.4 • at 24 V rated value 5.4 • at 125 V rated value 0.88 A • at 125 V rated value 0.48 A • at 225 V rated value 0.49 A • at 220 V rated value 0.07 A contact reliability of auxiliary contacts one contract switching operations of 100 million switching operations (17 V, 5 mÅ). Full-GA rates of full-load current (FLA) for 3-phase AC motor ext 480 V rated value 820 A vided mechanical performance [tb] • of 3-phase AC motor ext 480 V rated value 820 A vided demechanical performance [tb] • of 3-phase AC motor ext 480 V rated value 820 A vided mechanical performance [tb] • of 3-phase AC motor ext 480 V rated value 820 A vided mechanical performance [tb] • of 3-phase AC motor ext 480 V rated value 820 A vided mechanical performance [tb] • of 3-phase AC motor ext 480 V rated value 820 A vided mechanical performance [tb] • of 3-phase AC motor for a bank of a da a da da da da da | at 125 V rated value | 2.5 A |
| operational current at 0 C-13 10 A • at 24 V rated value 10 A • at 46 V rated value 5 A • at 10 V rated value 1.14 A • at 220 V rated value 0.48 A • at 220 V rated value 0.48 A • at 220 V rated value 0.47 A contact reliability of auxiliary contacts one incorrect witching operation of 100 million switching operations (17 V, 6 million auxitching operations (17 Million auxitching operations (17 Million auxitching operations (17 Million (17 Million | • at 220 V rated value | 0.9 A |
| • at 24 V rated value 0 A • at 48 V rated value 5 A • at 125 V rated value 0.98 A • at 260 V rated value 0.97 A • ot 260 V rated value 0.07 A • ot 260 V rated value 820 A • ot 260 V rated value 250 hp • ot 2600 V rated value 250 hp • ot 2600 V rated value 260 hp • ot 2600 V rated value 860 hp • ot 2600 V rated value 860 hp • ot solution of the main circuit 96: 1260 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), MA (690 A, 600 V, 50 kA), BS88: 630 A (690 V, 50 kA), BS88: 630 A (| • at 600 V rated value | 0.22 A |
| • at 48 V rated value 6 A • at 110 V rated value 0.98 A • at 220 V rated value 0.98 A • at 200 V rated value 0.07 A context reliability of auxiliary contacts one incorrect withing operation of 100 million switching operations (17 V. 5 million switching operations (18 V. 5 million switching operation (18 Million (18 Mi | operational current at DC-13 | |
| | at 24 V rated value | 10 A |
| | at 48 V rated value | 5 A |
| | • at 110 V rated value | 1 14 A |
| | | |
| • at 600 V rated value one incorrect switching operation of 100 million switching operations (17 V, 5 one incorrect switching operation of 100 million switching operations (17 V, 5 max) VUC3A ratings VUC3A ratings VUC3A ratings Vucation (ELA) for 3-phase AC motor • at 480 V rated value 820 A vielde mechanical performance [hp] • (of 3-phase AC motor - at 200280 V rated value 820 A vielde value - at 200280 V rated value 350 hp - at 200280 V rated value 350 hp - at 200280 V rated value 350 hp - at 300280 V rated value 360 hp - at 3574600 V rated value 360 hp - at 4574600 V rated value 360 hp - at 4574600 V rated value 360 hp - at 3574600 V rated value - at 5574600 V rated value - at 5574600 V rated value - at 5574600 V rated value - for short-circuit protection of the main circuit - with hpe of assignment 2 required with vertical mounting surface -x40° relatable, with vertical mounting surface - at the side - forwards 20 mm - quiverds 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 | | |
| contact reliability of auxiliary contacts one incorrect switching operation of 100 million switching operations (17 V, 5 mÅ) ULICSA ratings full-load current (FLA) for 3-phase AC motor ext 400 V rated value 820 Å • ext 400 V rated value 820 Å ext 400 V rated value 820 Å • full-base AC motor - - ext 20020 V rated value 820 Å • ext 20020 V rated value 280 hp - - at 200208 V rated value 350 hp - - at 400480 V rated value 700 hp - - - at 400480 V rated value 880 hp - - - - design of the fuse link - | | |
| mA) mA) full-load current (FLA) for 3-phase AC motor 820 A • al 480 V rated value 820 A • al 680 V rated value 820 A yielded mechanical performance [tp] • • al 2002/08 V rated value 290 hp - at 2002/08 V rated value 350 hp - at 2002/08 V rated value 350 hp - at 400480 V rated value 360 hp - at 4576/900 V rated value 860 hp contact rating of auxiliary contacts according to UL A600 V 6800 Short-circuit protection 61 assignment 2 required - with type of coordination 1 required g6: 1250 A (690 V, 100 kA) - with type of coordination 1 required g6: 1250 A (690 V, 100 kA) - with type of coordination 1 required g6: 1250 A (690 V, 50 kA), BS88: 630 A (690 V, | | |
| full-load current (FLA) for 3-phase AC motor 820 A • el 460 V reted value 820 A • el 600 V reted value 820 A yielded mechanical performance [tp] • • el 200208 V rated value 290 hp - at 200208 V rated value 350 hp - at 200208 V rated value 350 hp - at 400440 V rated value 360 hp - at 600440 V rated value 280 hp - at 755600 V rated value 880 hp contact rating of axiliary contacts according to UL A600 / Q800 Short-circuit protection of the main circuit - - with type of coardination 1 required gG: 1250 A (680 V, 100 kA) - with type of coardination 1 required fuse gG: 10 A Installation' mounting dimensions with vertical mounting surface +/-00" rotatable, with vertical mounting surface +/-20" rotatable, with vertical moun | contact reliability of auxiliary contacto | |
| • at 480 V rated value 820 A • at 600 V rated value 820 A • at 600 V rated value 820 A • at 200208 V rated value 280 hp - at 220/230 V rated value 350 hp - at 480/480 V rated value 350 hp - at 480/480 V rated value 860 hp contact rating of auxiliary contacts according to UL A600 / G600 Short-circuit protection gc: 1250 A (680 V, 100 kA) design of the fuse link - • or short-circuit protection of the auxiliary switch required gc: 630 A (680 V, 100 kA) - with type of coordination 1 required gc: 630 A (680 V, 100 kA) - with type of assignment 2 required gc: 630 A (680 V, 100 kA) - with type of assignment 2 required gc: 630 A (680 V, 50 kA), BS88: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA) - with type of assignment 2 required gc: 630 A (680 V, 100 kA) - with side hype of assignment 2 required gc: 630 A (680 V, 50 kA), BS88: 630 A (690 V, 50 kA) height 295 min mounting position twith vertical mounting surface 4/-90° rotatable, with vertical mounting surface 4/-80° rotatable, with vertical mounting surface 4/-8 | UL/CSA ratings | |
| • at 600 V rated value 820 Å yielded mechanical performance [hp] • • of r3-phase AC motor - - at 200208 V rated value 350 hp - at 202020 V rated value 350 hp - at 400480 V rated value 350 hp - at 607480 V rated value 860 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 - with type of coordination 1 required gG: 1250 A (690 V, 100 kA) - with type of assignment 2 required fus gG: 10 A Installation mounting dimensions gG: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), add: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), add: 630 A (690 V, 50 kA), add: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), add: 630 | full-load current (FLA) for 3-phase AC motor | |
| yielded mechanical performance [hp] (or 3-phase AC motor (ar 200208 V rated value 200 hp (ar 200208 V rated value 350 hp (ar 460:480 V rated value 350 hp (ar 460:480 V rated value 860 hp contact rating of auxiliary contacts according to UL A600 / Q800 Short-circuit protection (br short-circuit protection of the main circuit (br short-circuit protection of the main circuit (br short-circuit protection of the auxiliary switch required (br short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris short-circuit protection of the auxiliary switch required (c) ris sufface +/90° rolatable, with vertical mounting surface +/-90° rolatable, with vertical mounting surface +/-90° rolatable, with vertical mounting surface +/-2.5° tittable to the front and back. fasteling method screw txing (br short-circuit protection of the auxiliary switch required (br short-circuit auxiliary and control or circuit (c) ris screw txing (c) ris screw txing | • at 480 V rated value | 820 A |
| • for 3-phase AC motor - at 200/205 V rated value 290 hp - at 200/205 V rated value 350 hp - at 460/480 V rated value 700 hp - at 575/600 V rated value 800 hp contact rating of auxiliary contacts according to UL A800 / C800 Short-circuit protection 800 hp design of the fuse link 96 in short-circuit protection of the main circuit - with type of coordination 1 required gG: 1250 A (680 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), B | • at 600 V rated value | 820 A |
| • for 3-phase AC motor - at 200/205 V rated value 290 hp - at 200/205 V rated value 350 hp - at 460/480 V rated value 700 hp - at 575/600 V rated value 800 hp contact rating of auxiliary contacts according to UL A800 / C800 Short-circuit protection 800 hp design of the fuse link 96 in short-circuit protection of the main circuit - with type of coordination 1 required gG: 1250 A (680 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), B | yielded mechanical performance [hp] | |
| | | |
| | - | 290 hp |
| at 460/480 V rated value 700 hp at 575:600 V rated value 880 hp contact traing of auxiliary contacts according to UL A600 / O600 Short-circuit protection of the main circuit | | |
| | | |
| contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit gG: 1250 A (690 V, 100 kA) - with type of assignment 2 required gG: 300 A (690 V, 50 kA), alt: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), alt: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), alt: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), alt: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), alt: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), alt: 630 A (690 V, 50 kA), BS88: 63 | | |
| Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 1250 A (690 V, 100 kA) gG: 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), able 630 A (690 V, 50 kA), BS86: 630 A (690 V, 50 kA), able 630 A (| | |
| design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 1250 A (690 V, 100 kA) gG: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), for short-circuit protection of the auxiliary switch required fuse gG: 10 A Installation/ mounting/dimensions mounting position fastening method fastening method screw fixing depth 295 mm with vertical mounting surface +/-90" rotatable, with vertical mounting surface fastening method screw fixing adoptime 237 mm required spacing with side-by-side mounting adoptime adom wards adom wards adom wards adom wards at the side bin mm bin in current circuit connection bar bin in current circuit bin in current circuit bin in current circuit bin an current circuit bin an cure | | 10007 2000 |
| • for short-circuit protection of the main circuit | | |
| with type of coordination 1 required gG: 1250 A (690 V, 100 kA) with type of assignment 2 required gG: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50 kA), | - | |
| | - | ~C+ 1250 A (C00)/ 100 kA) |
| • for short-circuit protection of the auxiliary switch required fuse g0: 10 A Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22° tittable to the front and back fastening method screw fixing height 295 mm width 230 mm depth 237 mm required spacing • • with side-by-side mounting - - forwards 20 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - forwards 20 mm - at the side 10 mm - forwards 10 mm - forwards 20 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - forw | | |
| • for short-circuit protection of the auxiliary switch required fuse gG: 10 A Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting = -20° rotatable, sorew type terminals forwards for main current circuit efor auxiliary and control circuit formation content sorew-type terminals | — with type of assignment 2 required | |
| Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 295 mm width 230 mm depth 237 mm required spacing • • with side-by-side mounting - - forwards 20 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - forwards 20 mm - forwards 20 mm - forwards 10 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - forwards 10 mm - forwards 10 mm - fo | | |
| mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing height 295 mm width 230 mm depth 237 mm required spacing • • with side-by-side mounting - - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 | for short-circuit protection of the auxiliary switch required | |
| +/- 22.5° tiltable to the front and back fastening method screw fixing height 295 mm width 230 mm depth 237 mm required spacing 237 mm • with side-by-side mounting 20 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - forwards 20 mm - at the side 10 mm - at the side 10 mm - forwards 20 mm - at the side 10 mm - forwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - at the side 10 mm - downwards 10 mm - forwards 20 mm - at the side 10 mm - forwards 10 mm - downwards 10 mm </td <td></td> <td></td> | | |
| height 295 mm width 230 mm depth 237 mm required spacing 400 mm • with side-by-side mounting 20 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - forwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - of the side 10 mm - of the side 10 mm | Installation/ mounting/ dimensions | fuse gG: 10 A |
| width230 mmdepth237 mmrequired spacing237 mm• with side-by-side mounting forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm• for grounded parts forwards20 mm- upwards10 mm- forwards20 mm- forwards20 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side10 mm- forwards20 mm- upwards10 mm- forwards10 mm- at the side10 mm• for live parts20 mm- upwards10 mm- forwards20 mm- upwards10 mm- forwards10 mm- forwards10 mm- at the side10 mmConnections/ TerminalsConnection bar• for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface |
| depth 237 mm required spacing 237 mm • with side-by-side mounting 20 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm • for grounded parts 20 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - forwards 10 mm - forwards 10 mm - at the side 10 mm - for auxiliary and control circuit Connection bar • for auxiliary and control circuit screw-type terminals | Installation/ mounting/ dimensions mounting position | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm • for grounded parts 20 mm - forwards 20 mm - forwards 20 mm - at the side 10 mm • for grounded parts 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - for auxiliary and control circuit Connection bar • for auxiliary and control circuit screw-type terminals <td>Installation/ mounting/ dimensions mounting position fastening method</td> <td>fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing</td> | Installation/ mounting/ dimensions mounting position fastening method | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing |
| with side-by-side mounting forwards upwards downwards downwards downwards at the side for grounded parts for grounded parts forwards downwards for grounded parts forwards downwards forwards downwards forwards downwards for grounded parts forwards downwards downwards for mante forwards downwards for main current circuit for main current circuit for auxiliary and control circuit | Installation/ mounting/ dimensions mounting position fastening method height | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm |
| - forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- downwards10 mm- for wards20 mm- for wards10 mm- downwards10 mm- for wards20 mm- forwards10 mm- forwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- at the side10 mm- downwards10 mm- for main current circuitConnection bar- for main current circuitConnection bar- for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm |
| upwards10 mm downwards10 mm at the side10 mm• for grounded parts20 mm forwards20 mm upwards10 mm at the side10 mm at the side10 mm downwards10 mm forwards20 mm downwards10 mm downwards10 mm forwards20 mm forwards10 mm forwards10 mm at the side10 mm at the side0 mm | Installation/ mounting/ dimensions mounting position fastening method height width depth | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm |
| - downwards10 mm- at the side10 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm- for live parts20 mm- forwards20 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- at the side10 mm- at the side50 mection bar- for main current circuitConnection bar- for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm |
| - at the side10 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm• for live parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- forwards20 mm- forwards10 mm- upwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- for main current circuitConnection bar- for main current circuitConnection bar- for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm |
| • for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm• for live parts20 mm- forwards20 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/TerminalsConnection bar- for main current circuitConnection bar- for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm |
| - forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm• for live parts forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- upwards10 mm- at the side10 mm | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm |
| - forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm• for live parts forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- upwards10 mm- at the side10 mm | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm |
| - upwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm• for live parts forwards20 mm- upwards10 mm- upwards10 mm- at the side10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitScrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm |
| at the side10 mm downwards10 mm• for live parts10 mm forwards20 mm upwards10 mm upwards10 mm downwards10 mm at the side10 mm at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm 10 mm |
| - downwards10 mm• for live parts forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm 10 mm 20 mm |
| for live parts for wards forwards upwards downwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for main current circuit for auxiliary and control circuit | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — upwards — a the side • for grounded parts — forwards — upwards — a the side | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm 20 mm 10 mm |
| - forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — upwards — a the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm |
| - upwards10 mm- downwards10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • downwards — at the side — downwards — at the side — downwards — at the side — downwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm |
| - downwards 10 mm - at the side 10 mm Connections/ Terminals 10 mm type of electrical connection Connection bar • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — odwnwards — at the side — odwnwards — at the side — odwnwards — of live parts | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 230 mm 237 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm |
| — at the side 10 mm Connections/ Terminals Image: Connection of the second sec | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side — forwards — upwards — of the side — for live parts — forwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 230 mm 237 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm 20 mm 10 mm 20 mm 10 mm 20 mm |
| Connections/ Terminals type of electrical connection • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — downwards — at the side — downwards — at the side — downwards — for live parts — forwards — forwards — upwards — upwards — upwards — upwards — upwards — upwards — forwards — upwards — upwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 230 mm 237 mm 20 mm 10 mm |
| type of electrical connection Connection bar • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — upwards — at the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards • for live parts — forwards • upwards • for live parts — forwards — upwards — downwards • for live parts — forwards — upwards — upwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm |
| • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — at the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards • for live parts — forwards — upwards • at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm |
| • for auxiliary and control circuit screw-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — a the side • for grounded parts — forwards — upwards — at the side • for live parts — forwards • for live parts — forwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — upwards — upwards | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm |
| | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for live parts — forwards • for live parts — forwards — upwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — at the side — the side — forwards — upwards — at the side — downwards — at the side — forwards — upwards — up | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 230 mm 237 mm 20 mm 10 mm |
| at contactor for auxiliary contacts Screw-type terminals | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side — downwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — oforwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side Connections/ Terminals type of electrical connection • for main current circuit | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 230 mm 237 mm 20 mm 10 mm |
| | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - upwards - at the side - downwards • for live parts - forwards - upwards - at the side - downwards - at the side - downwards - at the side - downwards - at the side - forwards - at the side - downwards - | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 237 mm 20 mm 10 mm |
| width of connection bar 40 mm | Installation/ mounting/ dimensions mounting position fastening method height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - at the side • for grounded parts - at the side • for grounded parts - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - upwards - at the side - downwards - at the side - at contactor for auxiliary contacts | fuse gG: 10 A with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing 295 mm 230 mm 230 mm 20 mm 10 mm |

| thickness of connection bar | 6 mm |
|--|---|
| diameter of holes | 13.5 mm |
| number of holes | 1 |
| type of connectable conductor cross-sections for main contacts | |
| stranded | 50 240 mm² |
| finely stranded with core end processing | 50 240 mm² |
| connectable conductor cross-section for main contacts | |
| finely stranded with core end processing | 240 50 mm² |
| connectable conductor cross-section for auxiliary contacts | |
| solid or stranded | 0.5 2.5 mm ² |
| finely stranded with core end processing | 0.5 2.5 mm² |
| type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — solid | 2x (0.5 1.0 mm²), 2x (1.0 2.5 mm²) |
| finely stranded with core end processing | 2x (0.5 1.0 mm²), 2x (0.75 2.5 mm²) |
| for AWG cables for auxiliary contacts | 2x (18 12) |
| AWG number as coded connectable conductor cross section | |
| • for main contacts | 500 |
| for auxiliary contacts | 18 12 |
| afety related data | |
| product function | |
| mirror contact according to IEC 60947-4-1 | Yes; One NC contact each must be connected in series for the right and left auxiliary switch block respectively |
| positively driven operation according to IEC 60947-5-1 | No |
| suitable for safety function | Yes |
| suitability for use safety-related switching OFF | Yes |
| service life maximum | 20 a |
| test wear-related service life necessary | Yes |
| proportion of dangerous failures | |
| with low demand rate according to SN 31920 | 40 % |
| with high demand rate according to SN 31920 | 73 % |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| failure rate [FIT] with low demand rate according to SN | 100 FIT |
| 31920 ISO 13849 | |
| device type according to ISO 13849-1 | 3 |
| overdimensioning according to ISO 13849-2 necessary | Yes |
| IEC 61508 | |
| safety device type according to IEC 61508-2 | Туре А |
| Electrical Safety | .,,, |
| protection class IP on the front according to IEC 60529 | IP00; IP20 with cover |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front with cover |
| pprovals Certificates | |
| General Product Approval | |
| | |
| | |
| | |
| CSA EG-Konf. | |
| | |
| | |
| Functional Saftey Test Certificates | Marine / Shipping |
| <u>Type Examination Cer- Type Test Certific- Special Test Certific- Special Test Certificate ate</u> | |
| | VERITAS |
| | |
| Marine / Shipping other | |





Confirmation

Further information

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=3TF6944-0CM7

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TF6944-0CM7

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

https://support.industry.siemens.com/cs/ww/en/ps/3TF6944-0CM7

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

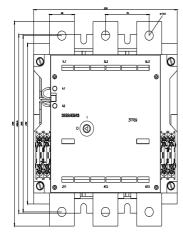
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF6944-0CM7&lang=en

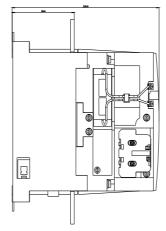
Characteristic: Tripping characteristics, I²t, Let-through current

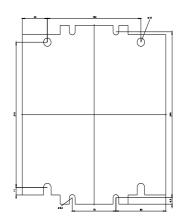
https://support.industry.siemens.com/cs/ww/en/ps/3TF6944-0CM7/char

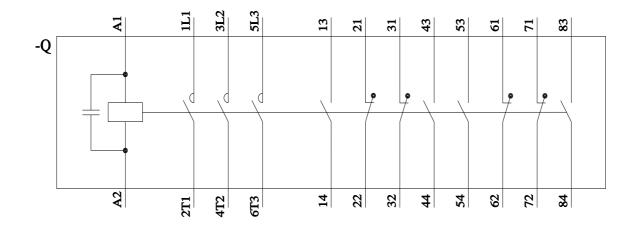
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TF6944-0CM7&objecttype=14&gridview=view1









last modified:

5/23/2024 🖸

5/30/2024