3RT1075-6SP36-3PA0

Data sheet



power contactor, AC-3e/AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC 200-277 V x (0.8-1.1) F-PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC permanently mounted drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal

| size of contactor \$12 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current *** • at AC in hot operating state 105 W • at AC in hot operating state per pole 35 W • at AC in hot operating state per pole 36 W • without load current share typical 40 W • of rain circuit with degree of pollution 3 rated value 60 W • of main circuit with degree of pollution 3 rated value 500 V • of auxiliary circuit with degree of pollution 3 rated value 60 V • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 9 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • at DC 8.5g / 5 ms, 4.2g / 10 ms • at DC 8.5g / 5 ms, 4.2g / 10 ms • at DC 8.5g / 5 ms, 6.5g / 10 ms • at DC 13.4g / 5 ms, 6.5g / 10 ms • at DC 10 000 000 <t< th=""><th>product brand name</th><th>SIRIUS</th></t<> | product brand name | SIRIUS |
|--|--|--|
| Size of contactor Function module for communication *auxiliary switch *at AC in hot operating state *at AC in hot operating state per pole *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with pollution 3 rated value *at AC in hot operating vicult with degree of pollution 3 rated value *at AC in hot operating vicult with pollution 3 rated value *at AC in the contactor with added electronically optimized auxiliary switch block typical *at DC in the contactor with added electronically optimized auxiliary switch block typical *at DC in the contactor with added auxiliary switch block typical *at DC in the contactor with added auxiliary switch block bytical *at DC in the contactor | product designation | Power contactor |
| size of contactor \$12 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current *** • at AC in hot operating state 105 W • at AC in hot operating state per pole 35 W • at AC in hot operating state per pole 36 W • without load current share typical 40 W • of rain circuit with degree of pollution 3 rated value 60 W • of main circuit with degree of pollution 3 rated value 500 V • of auxiliary circuit with degree of pollution 3 rated value 60 V • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 9 kV • of auxiliary circuit rated value 8 kV • of auxiliary circuit rated value 8 kV • at DC 8.5g / 5 ms, 4.2g / 10 ms • at DC 8.5g / 5 ms, 4.2g / 10 ms • at DC 8.5g / 5 ms, 6.5g / 10 ms • at DC 13.4g / 5 ms, 6.5g / 10 ms • at DC 10 000 000 <t< th=""><th>product type designation</th><th>3RT1</th></t<> | product type designation | 3RT1 |
| product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit twith degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary switch sine pulse • at AC • at DC • of contactor typical • of the contactor with added electronically optimized • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor w | General technical data | |
| • function module for communication • auxiliary switch ves power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical very per of calculation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of ontactor with added electronically optimized • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block | size of contactor | S12 |
| power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole • without load current share typical • of alculation of power loss depending on pole • of alculation of power loss depending on pole • of anian circult with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary sircuit rated value • at AC • at DC • of contactor with sine pulse • at AC • at DC • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor wit | product extension | |
| power loss [W] for rated value of the current | function module for communication | No |
| at AC in hot operating state per pole at AC in hot operating state per pole without load current share typical so without load current share typical of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of the contactor with sine pulse of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary | auxiliary switch | Yes |
| • at AC in hot operating state per pole • without load current share typical type of calculation of power loss depending on pole insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance • of main circuit rated value • of auxiliary sircuit rated value • at AC • at DC • of contactor with sine pulse • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typ | power loss [W] for rated value of the current | |
| without load current share typical type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of auxiliary circuit rated value of value maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance ar rectangular impulse ot at AC ot DC ot DC ot DC ot DC id DC | at AC in hot operating state | 105 W |
| type of calculation of power loss depending on pole insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value 500 V surge voltage resistance of main circuit rated value 8 kV of auxiliary circuit rated value 8 kV 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC at DC 13,4g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms shock resistance with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical at AC at AC at AC at AC at A | at AC in hot operating state per pole | 35 W |
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| of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of DC of Contactor with sine pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary switch block typical of the contactor with added of auxiliary s | type of calculation of power loss depending on pole | quadratic |
| of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of of auxiliary circuit rated value of auxiliary circuit rated value of waximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of the Contactor with sine pulse of at AC of DC shock resistance with sine pulse of the contactor with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added electronicall | insulation voltage | |
| surge voltage resistance of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value expectation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of at DC shock resistance with sine pulse of AC of Contactor Vipical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical | of main circuit with degree of pollution 3 rated value | 1 000 V |
| of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC at DC at DC shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7433-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methythilophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight Meight e of main circuit rated value 8 kV 6 kV 690 V | of auxiliary circuit with degree of pollution 3 rated value | 500 V |
| of auxiliary circuit rated value maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC at DC 8,5g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse at AC at DC 3,4g / 5 ms, 6,5g / 10 ms shock resistance with sine pulse at DC 13,4g / 5 ms, 6,5g / 10 ms 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical volume according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane subrice acid (PFBS) and its salts - Melamine - 108-78-1 | surge voltage resistance | |
| maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC 13,4g / 5 ms, 4,2g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms **The contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical **The contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical **The contactor wi | of main circuit rated value | 8 kV |
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| at AC at DC at AC at DC at AC | | 690 V |
| at DC shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume to the contactor with added auxiliary switch block typical volume | shock resistance at rectangular impulse | |
| shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical Peference code according to IEC 81346-2 Q Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight | • at AC | 8,5g / 5 ms, 4,2g / 10 ms |
| at AC at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 | • at DC | 8,5g / 5 ms, 4,2g / 10 ms |
| at DC mechanical service life (operating cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) SYHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2,6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight 10.009 kg | shock resistance with sine pulse | |
| mechanical service life (operating cycles) • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts Melamine - 108-78-1 Weight | • at AC | 13,4g / 5 ms, 6,5g / 10 ms |
| of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight 10.009 kg | • at DC | 13,4g / 5 ms, 6,5g / 10 ms |
| of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts Melamine - 108-78-1 Weight 10.009 kg | mechanical service life (operating cycles) | |
| auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight 10.009 kg | of contactor typical | 10 000 000 |
| reference code according to IEC 81346-2 Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight 10.009 kg | | 5 000 000 |
| Substance Prohibitance (Date) 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 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight 10.009 kg | of the contactor with added auxiliary switch block typical | 10 000 000 |
| Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - Melamine - 108-78-1 Weight 10.009 kg | reference code according to IEC 81346-2 | Q |
| Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts Melamine - 108-78-1 Weight 10.009 kg | Substance Prohibitance (Date) | 03/01/2017 |
| • | SVHC substance name | Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Perfluorobutane sulfonic acid (PFBS) and its salts - |
| Ambient conditions | Weight | 10.009 kg |
| | Ambient conditions | |

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| installation altitude at height above sea level maximum | 2 000 m |
|--|------------|
| ambient temperature | - *** |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 | 95 % |
| maximum | 30 /6 |
| Main circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| operating voltage | |
| at AC-3 rated value maximum | 1 000 V |
| at AC-3e rated value maximum | 1 000 V |
| operational current | |
| at AC-1 at 400 V at ambient temperature 40 °C rated value. | 430 A |
| value ● at AC-1 | |
| | 430 A |
| — up to 690 V at ambient temperature 40 °C rated value | |
| — up to 690 V at ambient temperature 60 °C rated value | 400 A |
| — up to 1000 V at ambient temperature 40 °C rated value | 200 A |
| — up to 1000 V at ambient temperature 60 $^{\circ}$ C rated value | 200 A |
| • at AC-3 | |
| — at 400 V rated value | 400 A |
| — at 500 V rated value | 400 A |
| — at 690 V rated value | 400 A |
| — at 1000 V rated value | 180 A |
| • at AC-3e | |
| — at 400 V rated value | 400 A |
| — at 500 V rated value | 400 A |
| — at 690 V rated value | 400 A |
| — at 1000 V rated value | 180 A |
| at AC-4 at 400 V rated value | 350 A |
| at AC-5a up to 690 V rated value | 378 A |
| at AC-5b up to 400 V rated value | 332 A |
| • at AC-6a | |
| up to 230 V for current peak value n=20 rated value | 395 A |
| up to 400 V for current peak value n=20 rated value | 395 A |
| — up to 500 V for current peak value n=20 rated value | 395 A |
| — up to 690 V for current peak value n=20 rated value | 395 A |
| up to 1000 V for current peak value n=20 rated value | 180 A |
| • at AC-6a | |
| — up to 230 V for current peak value n=30 rated value | 264 A |
| — up to 400 V for current peak value n=30 rated value | 264 A |
| — up to 500 V for current peak value n=30 rated value | 264 A |
| — up to 690 V for current peak value n=30 rated value | 264 A |
| — up to 1000 V for current peak value n=30 rated value | 180 A |
| minimum cross-section in main circuit at maximum AC-1 rated value | 300 mm² |
| operational current for approx. 200000 operating cycles at AC-4 | |
| • at 400 V rated value | 150 A |
| at 690 V rated value | 135 A |
| operational current | |
| • at 1 current path at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 330 A |
| — at 110 V rated value | 33 A |
| — at 220 V rated value | 3.8 A |

| — at 440 V rated value | 0.9 A |
|--|----------|
| — at 600 V rated value | 0.6 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 4 A |
| — at 600 V rated value | 2 A |
| with 3 current paths in series at DC-1 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 11 A |
| — at 600 V rated value | 5.2 A |
| • at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 11 A |
| — at 110 V rated value | 3 A |
| — at 220 V rated value | 0.6 A |
| — at 440 V rated value | 0.18 A |
| — at 600 V rated value | 0.125 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 2.5 A |
| — at 440 V rated value | 0.65 A |
| — at 600 V rated value | 0.37 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 400 A |
| — at 60 V rated value | 400 A |
| — at 110 V rated value | 400 A |
| — at 220 V rated value | 400 A |
| — at 440 V rated value | 1.4 A |
| — at 600 V rated value | 0.75 A |
| operating power | |
| at AC-2 at 400 V rated value | 200 kW |
| • at AC-3 | |
| — at 230 V rated value | 132 kW |
| — at 400 V rated value | 200 kW |
| — at 500 V rated value | 250 kW |
| — at 690 V rated value | 400 kW |
| — at 1000 V rated value | 250 kW |
| • at AC-3e | |
| — at 230 V rated value | 132 kW |
| — at 400 V rated value | 200 kW |
| — at 500 V rated value | 250 kW |
| — at 690 V rated value | 400 kW |
| — at 1000 V rated value | 250 kW |
| operating power for approx. 200000 operating cycles at AC- | |
| at 400 V rated value | 85 kW |
| at 690 V rated value at 690 V rated value | 133 kW |
| operating apparent power at AC-6a | 100 ((1) |
| • up to 230 V for current peak value n=20 rated value | 150 kVA |
| up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value | 270 kVA |
| up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value | 340 kVA |
| up to 690 V for current peak value n=20 rated value | 470 kVA |
| • up to 1000 V for current peak value n=20 rated value | 310 kVA |
| _p to 1000 1 to content pour value if 20 lated value | |

| operating apparent power at AC-6a | |
|--|---|
| • up to 230 V for current peak value n=30 rated value | 100 kVA |
| up to 400 V for current peak value n=30 rated value | 180 kVA |
| up to 500 V for current peak value n=30 rated value | 220 kVA |
| up to 690 V for current peak value n=30 rated value | 310 kVA |
| up to 1000 V for current peak value n=30 rated value | 310 kVA |
| short-time withstand current in cold operating state up to 40 °C | |
| limited to 1 s switching at zero current maximum | 6 600 A; Use minimum cross-section acc. to AC-1 rated value |
| Iimited to 5 s switching at zero current maximum | 5 761 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 10 s switching at zero current maximum | 4 143 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum | 2 635 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 60 s switching at zero current maximum | 2 088 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency | |
| • at AC | 500 1/h |
| • at DC | 500 1/h |
| operating frequency | |
| • at AC-1 maximum | 200 1/h |
| • at AC-2 maximum | 200 1/h |
| • at AC-3 maximum | 200 1/h |
| • at AC-3e | |
| — maximum | 200 1/h |
| at AC-4 maximum | 130 1/h |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC/DC |
| control supply voltage at AC | |
| • at 50 Hz rated value | 200 277 V |
| at 60 Hz rated value | 200 277 V |
| control supply voltage at DC rated value | 200 277 V |
| operating range factor control supply voltage rated value of magnet coil at DC | |
| • initial value | 0.8 |
| • full-scale value | 1.1 |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 1.1 |
| ● at 60 Hz | 0.8 1.1 |
| type of PLC-control input according to IEC 60947-1 | Type 1 |
| consumed current at PLC-control input according to IEC 60947-1 maximum | 14 mA |
| voltage at PLC-control input rated value | 24 V |
| operating range factor of the voltage at PLC-control input | 0.8 1.1 |
| design of the surge suppressor | with varistor |
| apparent pick-up power | |
| at minimum rated control supply voltage at AC | |
| — at 50 Hz | 560 VA |
| — at 60 Hz | 560 VA |
| at maximum rated control supply voltage at AC | ZEOVA |
| — at 60 Hz | 750 VA |
| — at 50 Hz | 750 VA |
| apparent pick-up power of magnet coil at AC • at 50 Hz | 750 VA |
| • at 50 Hz | 750 VA 750 VA |
| inductive power factor with closing power of the coil | 100 111 |
| • at 50 Hz | 0.8 |
| • at 60 Hz | 0.8 |
| apparent holding power | |
| at minimum rated control supply voltage at DC | 3 VA |
| at maximum rated control supply voltage at DC | 3.6 VA |
| apparent holding power | |
| at minimum rated control supply voltage at AC | |
| — at 50 Hz | 5.6 VA |
| | |

| — at 60 Hz | 5.6 VA |
|---|---|
| at maximum rated control supply voltage at AC | |
| — at 50 Hz | 9 VA |
| — at 60 Hz | 9 VA |
| inductive power factor with the holding power of the coil | |
| ● at 50 Hz | 0.5 |
| ● at 60 Hz | 0.4 |
| closing power of magnet coil at DC | 800 W |
| holding power of magnet coil at DC | 3.6 W |
| closing delay | |
| • at AC | 60 75 ms |
| • at DC | 60 75 ms |
| opening delay | |
| • at AC | 115 130 ms |
| • at DC | 115 130 ms |
| recovery time after power failure typical | 2 s |
| arcing time | 10 15 ms |
| control version of the switch operating mechanism | Fail-safe PLC input (F-PLC-IN) |
| Auxiliary circuit | |
| design of the auxiliary switch | lateral, permanently connected |
| number of NC contacts for auxiliary contacts instantaneous | 2 |
| contact | |
| number of NO contacts for auxiliary contacts instantaneous contact | 2 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| at 230 V rated value | 6 A |
| at 400 V rated value | 3 A |
| • at 500 V rated value | 2 A |
| • at 690 V rated value | 1 A |
| operational current at DC-12 | |
| at 24 V rated value | 10 A |
| • at 48 V rated value | 6 A |
| • at 60 V rated value | 6 A |
| at 110 V rated value | 3 A |
| at 125 V rated value | 2 A |
| • at 220 V rated value | 1 A |
| at 600 V rated value | 0.15 A |
| operational current at DC-13 | |
| at 24 V rated value | 10 A |
| at 48 V rated value | 2 A |
| at 60 V rated value | 2 A |
| at 110 V rated value | 1 A |
| at 175 V rated value at 125 V rated value | 0.9 A |
| at 220 V rated value | 0.3 A |
| at 600 V rated value | 0.1 A |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | a.ay omorning por 100 million (11 v, 1 mill) |
| full-load current (FLA) for 3-phase AC motor | |
| at 480 V rated value | 361 A |
| at 480 V rated value at 600 V rated value | 382 A |
| | 002 A |
| yielded mechanical performance [hp] | |
| • for 3-phase AC motor | 125 hp |
| — at 200/208 V rated value | 125 hp |
| — at 220/230 V rated value | 150 hp |
| — at 460/480 V rated value | 300 hp |
| — at 575/600 V rated value | 400 hp |
| contact rating of auxiliary contacts according to UL | A600 / P600 |
| Short-circuit protection | |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V | C characteristic: 10 A; 0.4 kA |

| design of the fuse link | |
|--|--|
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 630 A (690 V, 100 kA) |
| — with type of coordination 2 required | gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| Installation/ mounting/ dimensions | |
| mounting position | with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back |
| fastening method side-by-side mounting | Yes |
| fastening method | screw fixing |
| height | 214 mm |
| width | 160 mm |
| depth | 225 mm |
| required spacing | |
| with side-by-side mounting | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 0 mm |
| for grounded parts | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — at the side | 10 mm |
| — downwards | 10 mm |
| • for live parts | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 10 mm |
| Connections/ Terminals | |
| type of electrical connection | |
| for main current circuit | Connection bar |
| for auxiliary and control circuit | screw-type terminals |
| at contactor for auxiliary contacts | Screw-type terminals |
| of magnet coil | Screw-type terminals Screw-type terminals |
| width of connection bar | 25 mm |
| thickness of connection bar | 6 mm |
| diameter of holes | 11 mm |
| number of holes | 1 |
| | 1 |
| type of connectable conductor cross-sections | 2/0 500 kcmil |
| for AWG cables for main contacts | 2/0 500 KCIIII |
| connectable conductor cross-section for main contacts • stranded | 70 240 mm² |
| | 70 240 mm² |
| connectable conductor cross-section for auxiliary contacts • solid or stranded | 0.5 4 mm² |
| | |
| finely stranded with core end processing type of connectable conductor cross sections | 0.5 2.5 mm² |
| type of connectable conductor cross-sections | |
| • for auxiliary contacts— solid | 2v (0.5 1.5 mm²) 2v (0.75 2.5 mm²) may 2v (0.75 4 mm²) |
| | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) |
| — solid or stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²) |
| — finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross | 2x (20 16), 2x (18 14), 1x 12 |
| AWG number as coded connectable conductor cross section for auxiliary contacts | 18 14 |
| Safety related data | |
| product function | |
| mirror contact according to IEC 60947-4-1 | Yes |
| positively driven operation according to IEC 60947-5-1 | No |
| suitable for safety function | Yes |
| suitability for use safety-related switching OFF | Yes |
| | |

| safe state | off |
|---|--|
| test wear-related service life necessary | Yes |
| stop category according to IEC 60204-1 | 0 |
| 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 31920 | 100 FIT |
| MTBF | 75 a |
| IEC 62061 | |
| Safety Integrity Level (SIL) according to IEC 62061 | SIL 2 |
| PFHD with high demand rate according to IEC 62061 | 4.5E-7 1/h |
| ISO 13849 | |
| performance level (PL) according to ISO 13849-1 | PL c |
| category according to ISO 13849-1 | 2 |
| device type according to ISO 13849-1 | 1 |
| overdimensioning according to ISO 13849-2 necessary | Yes |
| IEC 61508 | |
| Safety Integrity Level (SIL) according to IEC 61508 | 2 |
| safety device type according to IEC 61508-2 | Type B |
| PFHD with high demand rate according to IEC 61508 | 4.5E-7 1/h |
| PFDavg with low demand rate according to IEC 61508 | 0.007 |
| Safe failure fraction (SFF) | 93 % |
| hardware fault tolerance according to IEC 61508 | 0 |
| T1 value of service life according to IEC 61508 | 20 a |
| Electrical Safety | |
| protection class IP on the front according to IEC 60529 | IP00; IP20 with box terminal/cover |
| touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front with box terminal/cover |
| Approvals Certificates | |



General Product Approval











EMV

Functional Saftey Test Certificates other

Type Examination Cer-<u>tificate</u>

Special Test Certific-

Type Test Certificates/Test Report

Confirmation

Miscellaneous



other Railway **Environment**

Miscellaneous Special Test Certific-**Environmental Con**firmations <u>ate</u>

Further information

Information on the packaging

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

Information for data generation and storage

https://support.industry.siemens.com/cs/ww/en/view/109995012

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=3RT1075-6SP36-3PA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6SP36-3PA0

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

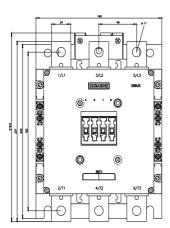
https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6SP36-3PA0

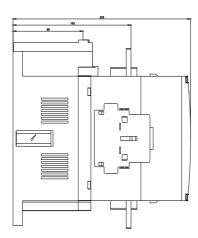
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RT1075-6SP36-3PA0&lang=en

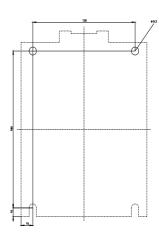
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6SP36-3

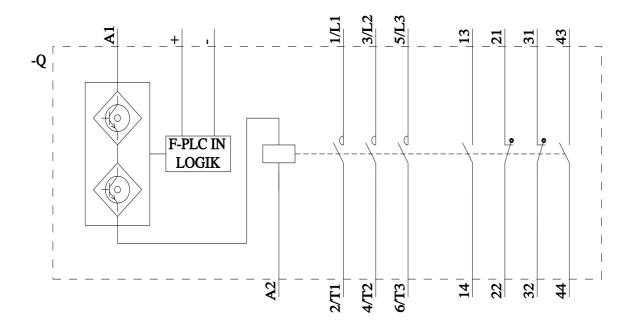
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6SP36-3PA0&objecttype=14&gridview=view1









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