3RT1076-6AF36-0UA0

## **Data sheet**



power contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC 110-127 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional screw terminal NEMA version

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	165 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	55 W
<ul> <li>without load current share typical</li> </ul>	10 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1
Weight	10.418 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C

relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
lain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated</li> </ul>	610 A
value	
• at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	610 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	550 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	200 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	200 A
• at AC-3	
— at 400 V rated value	540 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
<ul><li>— at 1000 V rated value</li><li>• at AC-3e</li></ul>	180 A
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	430 A
• at AC-5a up to 690 V rated value	536 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	415 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	414 A
<ul> <li>— up to 1000 V for current peak value n=20 rated value</li> </ul>	180 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	276 A
— up to 400 V for current peak value n=30 rated value	276 A
— up to 500 V for current peak value n=30 rated value	276 A
— up to 690 V for current peak value n=30 rated value	276 A
up to 1000 V for current peak value n=30 rated value  value	180 A
minimum cross-section in main circuit at maximum AC-1 rated value	370 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	175 A
at 690 V rated value	150 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
<ul><li>with 2 current paths in series at DC-1</li></ul>	
— 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
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— 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	400 A
— at 24 V rated value	400 A 11 A
<ul><li>— at 60 V rated value</li><li>— at 220 V rated value</li></ul>	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	0.123 A
— 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— 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	250 kW
• at AC-3	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	400 1114
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
<ul><li>— at 690 V rated value</li><li>— at 1000 V rated value</li></ul>	400 kW 250 kW
operating power for approx. 200000 operating cycles at AC-	230 RW
4	
• at 400 V rated value	98 kW
at 690 V rated value	148 kW
operating apparent power at AC-6a	400 000 1144
• up to 230 V for current peak value n=20 rated value	160 000 kVA
• up to 400 V for current peak value n=20 rated value	280 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	350 000 VA 490 000 VA
up to 1000 V for current peak value n=20 rated value      up to 1000 V for current peak value n=20 rated value	310 000 VA
operating apparent power at AC-6a	0.0 000 V/C
• up to 230 V for current peak value n=30 rated value	110 000 VA
up to 400 V for current peak value n=30 rated value	190 000 VA
up to 500 V for current peak value n=30 rated value	230 000 VA
• up to 690 V for current peak value n=30 rated value	330 000 VA

• up to 1000 V for current peak value n=30 rated value	310 000 VA
short-time withstand current in cold operating state up to	
40 °C	74044 11 11
Iimited to 1 s switching at zero current maximum	7 484 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	7 484 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	5 978 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	3 765 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	2 887 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	500 1/h
• at AC-2 maximum	170 1/h
• at AC-3 maximum	420 1/h
at AC-3e maximum	420 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	110 127 V
at 60 Hz rated value	110 127 V
control supply voltage at DC rated value	110 127 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
design of the surge suppressor	with varistor
apparent pick-up power	
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	700 VA
— at 60 Hz	700 VA
<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
— at 60 Hz	830 VA
— at 50 Hz	830 VA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	830 VA
• at 60 Hz	830 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.9
● at 60 Hz	0.9
apparent holding power	
<ul> <li>at minimum rated control supply voltage at DC</li> </ul>	8.5 VA
at maximum rated control supply voltage at DC	10 VA
apparent holding power	
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	7.6 VA
— at 60 Hz	7.6 VA
<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	9.2 VA
— at 60 Hz	9.2 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.9
● at 60 Hz	0.9
closing power of magnet coil at DC	920 W
holding power of magnet coil at DC	10 W
closing delay	
at AC	45 100 ms

100	45 400
• at DC	45 100 ms
opening delay	
• at AC	60 100 ms
• at DC	60 100 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 instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	6 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
<ul> <li>at 500 V rated value</li> </ul>	2 A
• at 690 V rated value	1 A
operational current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	readily officially per recomment (17 V, 1111/)
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	477 A
at 400 V rated value     at 600 V rated value	472 A
	472 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	450 ha
— at 200/208 V rated value	150 hp
— at 220/230 V rated value	200 hp
— at 460/480 V rated value	400 hp
— at 575/600 V rated value	400 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	0.000 4 (000 1/ 400 14)
— with type of coordination 1 required	gG: 630 A (690 V, 100 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	90. 1071 (000 4, 1 101)
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
factoning method side by side mounting	+/- 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

— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— 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
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections	
• for AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	270 500 KGHIII
• stranded	70 240 mm²
	70 240 Hilli
connectable conductor cross-section for auxiliary contacts	0.5 4
solid or stranded     finally stranded with page and presenting	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	0 (0 5 4 5 2) 0 (0 75 0 5 2) 0 (0 75 4 2)
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
<ul> <li>— solid or stranded</li> </ul>	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	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross	
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section	2x (20 16), 2x (18 14), 1x 12
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for auxiliary contacts	
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for auxiliary contacts  Safety related data	2x (20 16), 2x (18 14), 1x 12
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for auxiliary contacts  Safety related data  product function	2x (20 16), 2x (18 14), 1x 12  18 14
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for auxiliary contacts  Safety related data  product function     mirror contact according to IEC 60947-4-1	2x (20 16), 2x (18 14), 1x 12  18 14  Yes
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for auxiliary contacts  Safety related data  product function     mirror contact according to IEC 60947-4-1     positively driven operation according to IEC 60947-5-1     suitable for safety function	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function suitability for use safety-related switching OFF service life maximum	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes 40 %
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes 40 %
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes  40 % 73 %
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes 40 % 73 % 1 000 000
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes 40 % 73 % 1 000 000
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF service life maximum  test wear-related service life necessary proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes  40 % 73 % 1 000 000 100 FIT
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes  40 % 73 % 1 000 000 100 FIT
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes  40 % 73 % 1 000 000 100 FIT
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF  service life maximum  test wear-related service life necessary  proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary  IEC 61508	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes  40 % 73 % 1 000 000 100 FIT
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for auxiliary contacts  Safety related data  product function         • mirror contact according to IEC 60947-4-1         • positively driven operation according to IEC 60947-5-1         • suitable for safety function  suitability for use safety-related switching OFF service life maximum  test wear-related service life necessary proportion of dangerous failures         • with low demand rate according to SN 31920         • with high demand rate according to SN 31920  B10 value with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  ISO 13849  device type according to ISO 13849-1  overdimensioning according to ISO 13849-2 necessary IEC 61508  safety device type according to IEC 61508-2	2x (20 16), 2x (18 14), 1x 12  18 14  Yes No Yes Yes 20 a Yes  40 % 73 % 1 000 000 100 FIT

## **Approvals Certificates**

## **General Product Approval**







Confirmation





EMV

**Functional Saftey** 

**Test Certificates** 

Marine / Shipping



Type Examination Certificate Type Test Certificates/Test Report

Special Test Certificate

**Miscellaneous** 



Marine / Shipping

J& DNV



LRS





**Miscellaneous** 

other

Confirmation

other

Railway

**Environment** 

**Miscellaneous** 

Special Test Certificate

Environmental Confirmations

## 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=3RT1076-6AF36-0UA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6AF36-0UA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AF36-0UA0

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

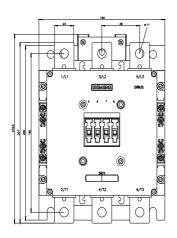
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1076-6AF36-0UA0&lang=en

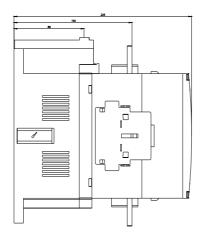
Characteristic: Tripping characteristics,  $I^2t$ , Let-through current

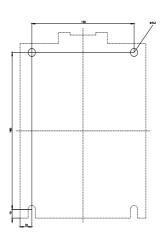
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6AF36-0UA0/char

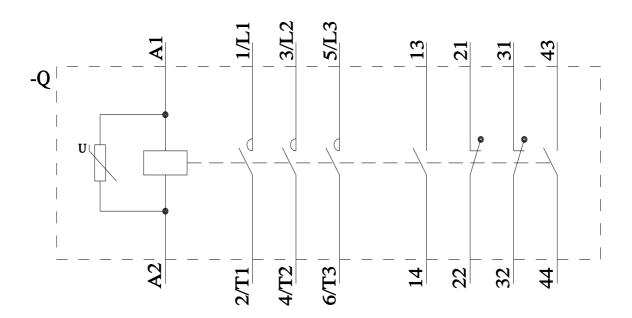
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6AF36-0UA0&objecttype=14&gridview=view1









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