## **SIEMENS**

Data sheet 3RT1275-6NB36



vacuum contactor AC-3e/AC-3 400 A, 200 kW / 400 V, 3-pole, Uc: 21-27.3 V AC(50-60 Hz) / DC PLC input 24 V DC drive: electronic auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
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>	63 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	21 W
<ul> <li>without load current share typical</li> </ul>	3.6 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
<ul> <li>of auxiliary circuit rated value</li> </ul>	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 Lead monoxide (lead oxide) - 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7
Weight	10.8 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	

during operation	-25 +60 °C
during eperation     during storage	-55 +80 °C
relative humidity minimum	10 %
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
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	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	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	610 A
— up to 690 V at ambient temperature 60 °C rated value	550 A
— up to 1000 V at ambient temperature 40 °C rated value	610 A
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> <li>at AC-3</li> </ul>	550 A
— 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	400 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	400 A
• at AC-4 at 400 V rated value	350 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	400 A
— up to 400 V for current peak value n=20 rated value	400 A
— up to 500 V for current peak value n=20 rated value	400 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	400 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	400 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	293 A
— up to 400 V for current peak value n=30 rated value	293 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	293 A
— up to 690 V for current peak value n=30 rated value	293 A
— up to 1000 V for current peak value n=30 rated value	293 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	175 A
operating power	
<ul><li>at AC-3</li><li>— at 230 V rated value</li></ul>	132 kW
— at 230 V rated value  — at 400 V rated value	200 kW
— at 400 V rated value  — at 500 V rated value	250 kW
— at 500 V rated value  — at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
at AC-3e	OOU NAA
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 400 v rated value	ZUU NVV

at 500 V rated value	250 NW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	98 kW
at 690 V rated value	172 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	150 000 kVA
up to 400 V for current peak value n=20 rated value  up to 400 V for current peak value n=20 rated value	270 000 VA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	340 000 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>	470 000 VA
	470 000 VA 690 000 VA
• up to 1000 V for current peak value n=20 rated value	555 500 171
operating apparent power at AC-6a  • up to 230 V for current peak value n=30 rated value	110 000 VA
up to 230 V for current peak value n=30 rated value  up to 400 V for current peak value n=30 rated value	110 000 VA 200 000 VA
up to 400 V for current peak value n=30 rated value  up to 500 V for current peak value n=30 rated value	
up to 500 V for current peak value n=30 rated value  up to 690 V for current peak value n=30 rated value	250 000 VA 350 000 VA
up to 690 V for current peak value n=30 rated value  up to 1000 V for current peak value n=30 rated value	350 000 VA 500 000 VA
up to 1000 V for current peak value n=30 rated value  poload switching frequency	000 000 VA
no-load switching frequency	1,000,1/h
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	700 1/b
• at AC-1 maximum	700 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum     at AC-4 maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	AOIDO
type of voltage of the control supply voltage	AC/DC
CORPORE LINDIN VOITAGE OF AC	
control supply voltage at AC	24 27 2 1/
at 50 Hz rated value	21 27.3 V
at 50 Hz rated value     at 60 Hz rated value	21 27.3 V
at 50 Hz rated value     at 60 Hz rated value control supply voltage at DC rated value	
at 50 Hz rated value     at 60 Hz rated value     control supply voltage at DC rated value     operating range factor control supply voltage rated value of magnet coil at DC	21 27.3 V 21 27.3 V
at 50 Hz rated value     at 60 Hz rated value     control supply voltage at DC rated value     operating range factor control supply voltage rated value of magnet coil at DC     initial value	21 27.3 V 21 27.3 V 0.8
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value	21 27.3 V 21 27.3 V
at 50 Hz rated value     at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC     initial value     full-scale value  operating range factor control supply voltage rated value of magnet coil at AC	21 27.3 V 21 27.3 V 0.8 1.1
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz	21 27.3 V 21 27.3 V 0.8 1.1
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz	21 27.3 V 21 27.3 V 0.8 1.1
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1	21 27.3 V 21 27.3 V 0.8 1.1 0.8 1.1 0.8 1.1 Type 2
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1  0.8 1.1  Type 2  20 mA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value	21 27.3 V 21 27.3 V 0.8 1.1 0.8 1.1 0.8 1.1 Type 2
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1  0.8 1.1  Type 2  20 mA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value	21 27.3 V 21 27.3 V 0.8 1.1 0.8 1.1 0.8 1.1 Type 2 20 mA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1 with varistor
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at 50 Hz	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1  0.8 1.1  Type 2 20 mA  24 V  0.8 1.1  with varistor
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1  0.8 1.1  Type 2 20 mA  24 V  0.8 1.1  with varistor
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at maximum rated control supply voltage at AC	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V  0.8 1.1 with varistor
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 60 Hz	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1 with varistor  560 VA 560 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 60 Hz  at 50 Hz  at 50 Hz	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1 with varistor  560 VA 560 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 50 Hz  at 50 Hz  at 50 Hz  apparent pick-up power of magnet coil at AC	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1  0.8 1.1  Type 2  20 mA  24 V  0.8 1.1  with varistor  560 VA  560 VA  750 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 60 Hz  at 50 Hz  apparent pick-up power of magnet coil at AC  at 50 Hz	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1 with varistor  560 VA 560 VA 750 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 50 Hz  apparent pick-up power of magnet coil at AC  at 50 Hz  apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz	21 27.3 V 21 27.3 V  0.8 1.1  0.8 1.1 0.8 1.1 Type 2 20 mA  24 V 0.8 1.1 with varistor  560 VA 560 VA 750 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 50 Hz  apparent pick-up power of magnet coil at AC  at 50 Hz  apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  at 60 Hz  at 60 Hz	21 27.3 V  21 27.3 V  0.8  1.1  0.8 1.1  Type 2  20 mA  24 V  0.8 1.1  with varistor  560 VA  560 VA  750 VA  750 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC rated value  operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  voltage at PLC-control input rated value  operating range factor of the voltage at PLC-control input design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at 50 Hz  apparent pick-up power of magnet coil at AC  at 50 Hz  at 60 Hz  inductive power factor with closing power of the coil  at 50 Hz	21 27.3 V  21 27.3 V  0.8  1.1  0.8 1.1  Type 2  20 mA  24 V  0.8 1.1 with varistor  560 VA  560 VA  750 VA  750 VA  750 VA  750 VA

	0.14
at minimum rated control supply voltage at DC	3 VA
at maximum rated control supply voltage at DC	3.6 VA
apparent holding power	
<ul> <li>at minimum rated control supply voltage at AC</li> </ul>	
— at 50 Hz	5.6 VA
— at 60 Hz	5.6 VA
<ul> <li>at maximum rated control supply voltage at AC</li> </ul>	
— 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 90 ms
• at DC	60 90 ms
opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
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	
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 40 V rated value     at 60 V rated value	2 A
at 110 V rated value	1A
at 110 V rated value     at 125 V rated value	0.9 A
at 125 V rated value     at 220 V rated value	0.3 A
at 220 V rated value     at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	264 A
at 480 V rated value     at 600 V rated value	361 A
at 600 V rated value	382 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	4051
— 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 460/480 V rated value at 575/600 V rated value  contact rating of auxiliary contacts according to UL	300 hp 400 hp A600 / Q600

Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
with type of coordination 1 required	gG: 800 A (690 V, 100 kA)
with type of assignment 2 required	gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50
Will type of addignitions 2 required	kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw fixing
height	217 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
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 komil
• for AVVG cables for main contacts  connectable conductor cross-section for main contacts	2/0 500 kcmil
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	1 V 240 Hilli
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm <sup>2</sup>
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid	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	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	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No

**Electrical Safety** 

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover

Approvals Certificates

## **General Product Approval**





Confirmation







EMV

**Functional Saftey** 

**Test Certificates** 

Marine / Shipping



Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other







Confirmation

**Miscellaneous** 

Confirmation

Railway

Environment

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=3RT1275-6NB36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1275-6NB36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6NB36

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

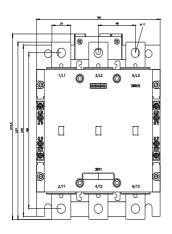
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1275-6NB36&lang=en

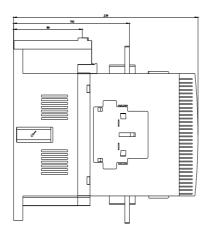
Characteristic: Tripping characteristics, I²t, Let-through current

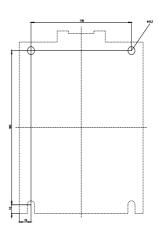
https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6NB36/char

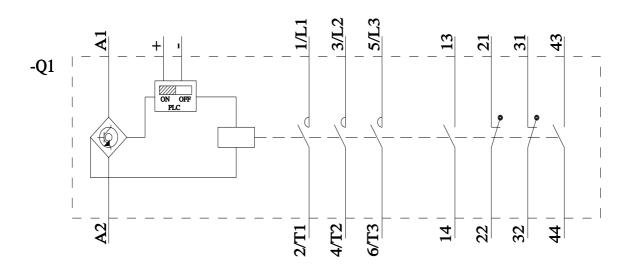
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1275-6NB36&objecttype=14&gridview=view1

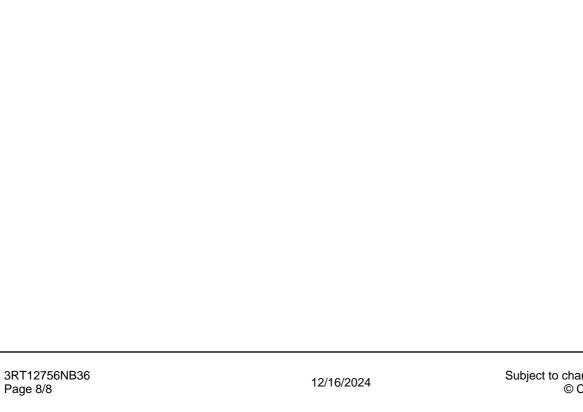








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