# **SIEMENS**

Data sheet 3RT1265-6NF36



vacuum contactor AC-3e/AC-3 265 A, 132 kW / 400 V, 3-pole, Uc: 96-127 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	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>auxiliary switch</li> </ul>	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	36 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	12 W
<ul> <li>without load current share typical</li> </ul>	3.4 W
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 safe isolation 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)	
<ul> <li>of contactor typical</li> </ul>	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
Ambient conditions	
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

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
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	330 A
● at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	330 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	300 A
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	330 A
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> </ul>	300 A
• at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	265 A
• at AC-3e	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	265 A
<ul><li>at AC-4 at 400 V rated value</li><li>at AC-6a</li></ul>	230 A
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	265 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	265 A
— up to 500 V for current peak value n=20 rated value	265 A
— up to 690 V for current peak value n=20 rated value	265 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	265 A
— up to 230 V for current peak value n=30 rated value	209 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	209 A
<ul><li>— up to 500 V for current peak value n=30 rated value</li></ul>	209 A
— up to 690 V for current peak value n=30 rated value	209 A
— up to 1000 V for current peak value n=30 rated value  minimum cross-section in main circuit at maximum AC-1	209 A 185 mm <sup>2</sup>
rated value  operational current for approx. 200000 operating	100 11111
cycles at AC-4	
at 400 V rated value	115 A
• at 690 V rated value	115 A
operating power  ● at AC-3	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	355 kW
• at AC-3e	
— at 230 V rated value	75 kW
— at 400 V rated value	132 kW

at E00 V rated value	160 kW
— at 500 V rated value — at 690 V rated value	250 kW
— at 1000 V rated value	355 kW
operating power for approx. 200000 operating cycles	SSS KW
at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	65 kW
• at 690 V rated value	112 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	100 000 kVA
• up to 400 V for current peak value n=20 rated value	180 000 VA
• up to 500 V for current peak value n=20 rated value	220 000 VA
• up to 690 V for current peak value n=20 rated value	310 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	450 000 VA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	80 000 VA
• up to 400 V for current peak value n=30 rated value	140 000 VA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	180 000 VA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	250 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated</li> </ul>	360 000 VA
value	
no-load switching frequency  • at AC	1 000 1/h
• at AC • at DC	1 000 1/h 1 000 1/h
operating frequency	1 000 1/11
• at AC-1 maximum	750 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 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	96 127 V
<ul><li>at 50 Hz rated value</li><li>at 60 Hz rated value</li></ul>	96 127 V 96 127 V
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> </ul>	96 127 V
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> </ul>	96 127 V 96 127 V
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>type of PLC-control input according to IEC 60947-1</li> </ul>	96 127 V
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> </ul>	96 127 V 96 127 V Type 2
at 50 Hz rated value     at 60 Hz rated value control supply voltage at DC     rated value  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	96 127 V 96 127 V Type 2 20 mA
at 50 Hz rated value     at 60 Hz rated value control supply voltage at DC     rated value  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	96 127 V 96 127 V Type 2 20 mA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  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  operating range factor control supply voltage rated	96 127 V 96 127 V Type 2 20 mA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  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  operating range factor control supply voltage rated value of magnet coil at DC	96 127 V 96 127 V 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  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 operating range factor control supply voltage rated	96 127 V 96 127 V Type 2 20 mA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  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  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	96 127 V 96 127 V 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 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 operating range factor control supply voltage rated value of magnet coil at DC initial value full-scale value	96 127 V 96 127 V 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  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  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	96 127 V  96 127 V  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  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  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	96 127 V  96 127 V  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  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 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 design of the surge suppressor apparent pick-up power of magnet coil at AC	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor
at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value 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 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 design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8  1.1  vith varistor  570 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  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 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  at 50 Hz  at 60 Hz	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  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 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  at 50 Hz  at 60 Hz  inductive power factor with closing power of the coil	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor  570 VA  570 VA
at 50 Hz rated value  at 60 Hz rated value  control supply voltage at DC  rated value  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 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  at 60 Hz  inductive power factor with closing power of the coil  at 50 Hz	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  with varistor  570 VA  570 VA  570 VA
at 50 Hz rated value at 60 Hz rated value control supply voltage at DC rated value 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 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 design of the surge suppressor 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 at 60 Hz	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor  570 VA  570 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>type of PLC-control input according to IEC 60947-1</li> <li>consumed current at PLC-control input according to IEC 60947-1 maximum</li> <li>voltage at PLC-control input rated value</li> <li>operating range factor of the voltage at PLC-control input</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul>	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor  570 VA  570 VA  0.8  0.8  0.8
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>type of PLC-control input according to IEC 60947-1</li> <li>consumed current at PLC-control input according to IEC 60947-1 maximum</li> <li>voltage at PLC-control input rated value</li> <li>operating range factor of the voltage at PLC-control input</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul>	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  with varistor  570 VA  570 VA  570 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>type of PLC-control input according to IEC 60947-1</li> <li>consumed current at PLC-control input according to IEC 60947-1 maximum</li> <li>voltage at PLC-control input rated value</li> <li>operating range factor of the voltage at PLC-control input</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz<th>96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor  570 VA  570 VA  0.8  0.8  0.8  8.5 VA</th></li></ul>	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor  570 VA  570 VA  0.8  0.8  0.8  8.5 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>type of PLC-control input according to IEC 60947-1</li> <li>consumed current at PLC-control input according to IEC 60947-1 maximum</li> <li>voltage at PLC-control input rated value</li> <li>operating range factor of the voltage at PLC-control input</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  vith varistor  570 VA  570 VA  0.8  0.8  0.8  8.5 VA
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>control supply voltage at DC</li> <li>rated value</li> <li>type of PLC-control input according to IEC 60947-1</li> <li>consumed current at PLC-control input according to IEC 60947-1 maximum</li> <li>voltage at PLC-control input rated value</li> <li>operating range factor of the voltage at PLC-control input</li> <li>operating range factor control supply voltage rated value of magnet coil at DC</li> <li>initial value</li> <li>full-scale value</li> <li>operating range factor control supply voltage rated value of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>design of the surge suppressor</li> <li>apparent pick-up power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>inductive power factor with the holding power of the coil</li> </ul>	96 127 V  96 127 V  Type 2  20 mA  24 V  0.8 1.1  0.8 1.1  with varistor  570 VA  570 VA  0.8  0.8  8.5 VA

-la-i	000 M
closing power of magnet coil at DC	630 W
holding power of magnet coil at DC	3.4 W
closing delay	45 00
• at AC	45 80 ms
• at DC	45 80 ms
opening delay	00 400
• 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	2
instantaneous contact	
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
<ul> <li>at 690 V rated value</li> </ul>	1 A
operational current at DC-12	
• at 24 V rated value	10 A
<ul><li>at 48 V rated value</li></ul>	6 A
• at 60 V rated value	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
<ul> <li>at 600 V rated value</li> </ul>	0.15 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.9 A
<ul> <li>at 220 V rated value</li> </ul>	0.3 A
<ul><li>at 600 V rated value</li></ul>	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	
<ul> <li>at 480 V rated value</li> </ul>	240 A
<ul> <li>at 600 V rated value</li> </ul>	242 A
yielded mechanical performance [hp]	
<ul> <li>for 3-phase AC motor</li> </ul>	
<ul> <li>at 200/208 V rated value</li> </ul>	75 hp
<ul> <li>at 220/230 V rated value</li> </ul>	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 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	
— with type of coordination 1 required	gG: 500 A (690 V, 100 kA)
with type of assignment 2 required	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415
	V, 50 kA)
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	gG: 10 A (500 V, 1 kA)
required	
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	standing, on horizontal mounting surface
•	screw fixing Yes
<ul><li>side-by-side mounting height</li></ul>	210 mm
neight	2 10 Hill

width	145 mm
depth	206 mm
required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— 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
<ul><li>for live parts</li></ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	Connection bar
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
<ul><li>of magnet coil</li></ul>	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
connectable conductor cross-section for main contacts	

# solid or stranded

connectable conductor cross-section for auxiliary

• finely stranded with core end processing

### type of connectable conductor cross-sections

• for auxiliary contacts

— solid

— solid or stranded

— finely stranded with core end processing

• at AWG cables for auxiliary contacts

# AWG number as coded connectable conductor cross section

• for auxiliary contacts

70 ... 240 mm²

0.5 ... 4 mm²

0.5 ... 2.5 mm<sup>2</sup>

 $2x (0.5 \dots 1.5 \text{ mm}^2), 2x (0.75 \dots 2.5 \text{ mm}^2), \text{ max. } 2x (0.75 \dots 4 \text{ mm}^2)$  $2x (0.5 \dots 1.5 \text{ mm}^2), 2x (0.75 \dots 2.5 \text{ mm}^2), \text{ max. } 2x (0.75 \dots 4 \text{ mm}^2)$ 

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14), 1x 12

18 ... 14

## Safety related data

stranded

contacts

#### product function

• mirror contact according to IEC 60947-4-1

 positively driven operation according to IEC 60947-5-1

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

safety-related switching OFF

Yes

No

20 a

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left$ 

Yes

#### Certificates/ approvals

#### **General Product Approval**



Confirmation





<u>KC</u>



**EMC** 

**Functional** Safety/Safety of Machinery

#### **Declaration of Conformity**

**Test Certificates** 



Type Examination **Certificate** 





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping













Confirmation

other

Railway

Confirmation

**Miscellaneous** 

Special Test Certific-

Vibration and Shock

<u>ate</u>

#### 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=3RT1265-6NF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1265-6NF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1265-6NF3

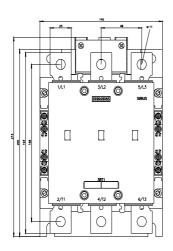
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

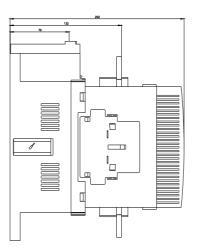
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1265-6NF36&lang=en

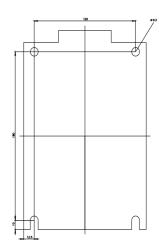
Characteristic: Tripping characteristics, I2t, Let-through current

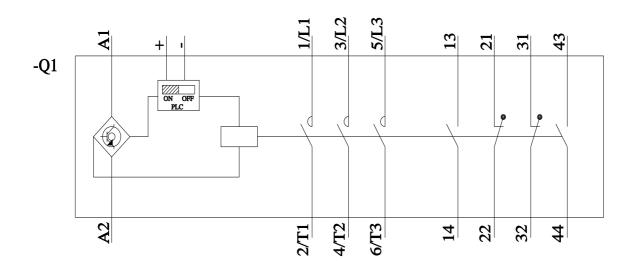
https://support.industry.siemens.com/cs/ww/en/ps/3RT1265-6NF36/char

Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1265-6NF36&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1265-6NF36&objecttype=14&gridview=view1</a>









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