SIEMENS

Data sheet

3RT1275-6AP36



vacuum contactor, AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC operation 220-240 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional

product designation Vacuum contactor product type designation 3RT12 General technical data	product brand name	SIRIUS
General technical data size of contactor S12 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 63 W • at AC in hot operating state 63 W • at AC in hot operating state per pole 21 W • without load current share typical 10 W insulation voltage 1 000 V • of main circuit with degree of pollution 3 rated value 500 V • of auxiliary circuit rated value 6 kV • at AC 8,5g / 5 ms, 4,2g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms <td>product designation</td> <td>Vacuum contactor</td>	product designation	Vacuum contactor
size of contactorS12product extensionNo• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current63 W• at AC in hot operating state63 W• at AC in hot operating state per pole21 W• without load current share typical10 Winsulation voltage1 000 V• of main circuit with degree of pollution 3 rated value1 000 V• of main circuit with degree of pollution 3 rated value600 V• of main circuit rated value6 kV• of main circuit rated value6 kV• of main circuit rated value6 kV• of main circuit rated value8 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kV• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms	product type designation	3RT12
product extensionNo• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current63 W• at AC in hot operating state63 W• at AC in hot operating state per pole21 W• without load current share typical10 Winsulation voltage1 00 V• of main circuit with degree of pollution 3 rated value1 000 V• of main circuit with degree of pollution 3 rated value500 V• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms	General technical data	
• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current63 W• at AC in hot operating state63 W• at AC in hot operating state per pole21 W• without load current share typical10 Winsulation voltage1 000 V• of main circuit with degree of pollution 3 rated value500 V• of main circuit with degree of pollution 3 rated value6 kV• of main circuit rated value6 kV• of main circuit rated value600 V• of main circuit rated value600 V• of auxiliary circuit rated value600 V• of auxiliary circuit rated value8 kV• of auxiliary circuit rated value600 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	size of contactor	S12
• auxiliary switchYespower loss [W] for rated value of the current	product extension	
power loss [W] for rated value of the current63 W• at AC in hot operating state per pole21 W• at AC in hot operating state per pole21 W• without load current share typical10 Winsulation voltage100 V• of main circuit with degree of pollution 3 rated value500 V• of auxiliary circuit with degree of pollution 3 rated value500 V• of main circuit rated value6 kV• of main circuit rated value6 kV• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	 function module for communication 	No
• at AC in hot operating state63 W• at AC in hot operating state per pole21 W• without load current share typical10 Winsulation voltage1 000 V• of main circuit with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value500 V• of main circuit rated value8 kV• of main circuit rated value6 kV• of main circuit rated value6 kV• of auxiliary circuit rated value600 V• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value690 V• of auxiliary circuit rated value690 V• of auxiliary circuit state isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse500 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	auxiliary switch	Yes
• at AC in hot operating state per pole21 W• without load current share typical10 Winsulation voltage1 000 V• of main circuit with degree of pollution 3 rated value1 000 V• of auxiliary circuit with degree of pollution 3 rated value500 V• of main circuit rated value8 kV• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value690 V• of auxiliary circuit rated value690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	power loss [W] for rated value of the current	
and the property is property in the property is an experimental property in the property is an experimental property is an exp	 at AC in hot operating state 	63 W
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 valuesurge voltage resistance• of main circuit rated value• of main circuit rated value• of auxiliary circuit rated value• at AC• at DC• at AC• at AC• at AC• at DC• at DC <t< td=""><td> at AC in hot operating state per pole </td><td>21 W</td></t<>	 at AC in hot operating state per pole 	21 W
of main cruit with degree of pollution 3 rated value1 000 Vof auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance500 Vof main circuit rated value8 kVof auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	 without load current share typical 	10 W
• of auxiliary circuit with degree of pollution 3 rated value500 Vsurge voltage resistance500 V• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	insulation voltage	
valuevaluesurge voltage resistance• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	 of main circuit with degree of pollution 3 rated value 	1 000 V
• of main circuit rated value8 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse690 V• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	, , , , , , , , , , , , , , , , , , , ,	500 V
• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse6• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse7• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	 of main circuit rated value 	8 kV
coil and main contacts according to EN 60947-1shock resistance at rectangular impulse• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms	 of auxiliary circuit rated value 	6 kV
• 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 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms		690 V
• at DC 8,5g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms	shock resistance at rectangular impulse	
shock resistance with sine pulse 13,4g / 5 ms, 6,5g / 10 ms • at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (switching cycles) 4	• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at AC 13,4g / 5 ms, 6,5g / 10 ms • at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (switching cycles) 4 / 5 ms, 6,5g / 10 ms	• at DC	8,5g / 5 ms, 4,2g / 10 ms
• at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (switching cycles)	shock resistance with sine pulse	
mechanical service life (switching cycles)	• at AC	13,4g / 5 ms, 6,5g / 10 ms
	• at DC	13,4g / 5 ms, 6,5g / 10 ms
of contactor typical 10 000 000	mechanical service life (switching cycles)	
	 of contactor typical 	10 000 000
of the contactor with added electronically optimized auxiliary switch block typical 5 000 000		5 000 000
of the contactor with added auxiliary switch block 10 000 000 typical		10 000 000
reference code according to IEC 81346-2 Q	reference code according to IEC 81346-2	Q
Substance Prohibitance (Date) 05/01/2012	Substance Prohibitance (Date)	05/01/2012
Ambient conditions	Ambient conditions	
installation altitude at height above sea level maximum 2 000 m	installation altitude at height above sea level maximum	2 000 m
ambient temperature	ambient temperature	
• during operation -25 +60 °C	during operation	-25 +60 °C
• during storage -55 +80 °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
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 	610 A
rated value	
— 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
— up to 1000 V at ambient temperature 60 °C rated value	550 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	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
— up to 690 V for current peak value n=20 rated value	400 A
— up to 1000 V for current peak value n=20 rated value	400 A
• at AC-6a	200 4
— 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
— up to 500 V for current peak value n=30 rated value	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 operational current for approx. 200000 operating	370 mm ²
cycles at AC-4	
at 400 V rated value	175 A
at 690 V rated value	175 A
operating power	
• at AC-3	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW

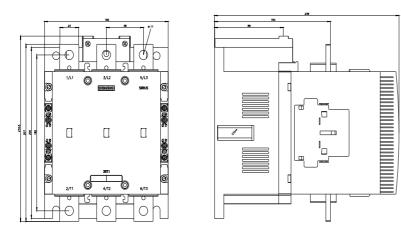
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
• at AC-3e	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	560 kW
operating power for approx. 200000 operating cycles at AC-4	
 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 	270 000 VA
• up to 500 V for current peak value n=20 rated value	340 000 VA
• up to 690 V for current peak value n=20 rated value	470 000 VA
• up to 1000 V for current peak value n=20 rated	690 000 VA
value	
operating apparent power at AC-6a	
 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 	200 000 VA
• up to 500 V for current peak value n=30 rated value	250 000 VA
 up to 690 V for current peak value n=30 rated value 	350 000 VA
 up to 1000 V for current peak value n=30 rated value 	500 000 VA
no-load switching frequency	
• at AC	2 000 1/h
● at DC	2 000 1/h
operating frequency	
• 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	750 1/h
 at AC-4 maximum 	250 1/h
Control circuit/ Control	AC/DC
Control circuit/ Control type of voltage of the control supply voltage	AC/DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value	220 240 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value	
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC	220 240 V 220 240 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value	220 240 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated	220 240 V 220 240 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz rated value control supply voltage at DC • rated value	220 240 V 220 240 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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	220 240 V 220 240 V 220 240 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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	220 240 ∨ 220 240 ∨ 220 240 ∨ 0.8
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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	220 240 ∨ 220 240 ∨ 220 240 ∨ 0.8
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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	220 240 V 220 240 V 220 240 V 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 DC • at 50 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 • at 60 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 design of the surge suppressor apparent pick-up power of magnet coil at AC	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz • at 50 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 design of the surge suppressor apparent pick-up power of magnet coil at AC • at 50 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 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	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA 830 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 design of the surge suppressor apparent pick-up power 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 60 Hz • at 60 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 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 60 Hz • at 60 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA 830 VA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • 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 design of the surge suppressor apparent pick-up power 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 60 Hz • at 60 Hz	220 240 V 220 240 V 220 240 V 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA 830 VA

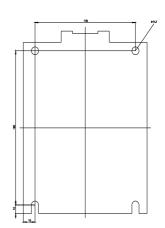
inductive newer fector with the helding newer of the	_			
inductive power factor with the holding power of the coil				
• at 50 Hz	0.9			
• at 60 Hz	0.9			
closing power of magnet coil at DC	920 W			
holding power of magnet coil at DC				
closing delay				
• at AC	45 100 ms			
• at DC	45 100 ms 45 100 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	Standard AT - Az			
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				
 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 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				
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			
yielded mechanical performance [hp]				
 for 3-phase AC motor — at 200/208 V rated value 	125 bp			
	125 hp			
— at 220/230 V rated value — at 460/480 V rated value	150 hp			
	300 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				
— 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 kA)			
 for short-circuit protection of the auxiliary switch 	gG: 10 A (500 V, 1 kA)			
 for short-circuit protection of the auxiliary switch required 	90. 10 A (500 V, 1 M)			
1				

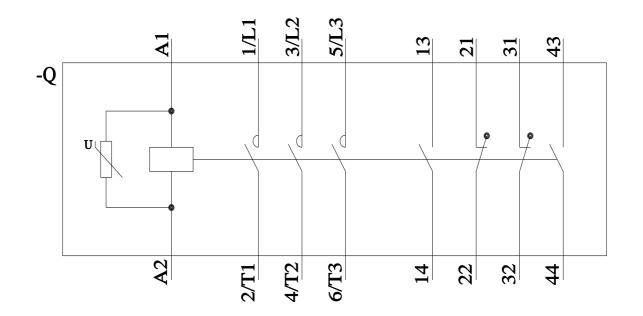
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suitability for use							
safety-related switching OFF Yes Certificates/ approvals							
General Product Ap					EMC		
Confirmation Cccc Cccc Cccc Cccc Cccc Cccc Cccc Cc							
Functional Safety/Safety of Machinery	Safety/Safety of Declaration of Conformity Test Certificates Marine / Shipping						
<u>Type Examination</u> <u>Certificate</u>	UK CA	C C EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	ABS		
Marine / Shipping other							
Liss PRS Register							
Railway Special Test Certific- ate							
Further information 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=3RT1275-6AP36 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1275-6AP36 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6AP36							
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1275-6AP36⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current							

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1275-6AP36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1275-6AP36&objecttype=14&gridview=view1







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8/19/2022