## SIEMENS

## Data sheet

## 3RT1266-6AP36



vacuum contactor, AC-3 300 A, 160 kW / 400 V, AC (50-60 Hz) / DC operation 220-240 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: conventional

product designation         Vacuum contactor           product type designation         S112           concrat technical data         S10           product extension         No           • function module for communication         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         42 W           • at AC in hot operating state per pole         14 W           • without load current share typical         22 W           • of main circuit with degree of pollution 3 rated value         1000 V           • of main circuit rated value         8 kV           • of main circuit rated value         8 kV           • of main circuit with degree of pollution 3 rated value         6 kV           • of auxiliary circuit ated value         8 kV           • at AC         8.5g / 5 ms, 4.2g / 10 ms           • at AC         10.6g / 5 ms, 6.5g / 10 ms           • at AC         10.4g / 5 ms, 6.5g / 10 ms           • at AC<	product brand name	SIRIUS
size of contactor       S10         groduct extension       S10         • function module for communication       No         • auxiliary switch       Yes         power loss [W] for rated value of the current       42 W         • at AC in hot operating state       42 W         • of main circuit with degree of pollution 3 rated value       1000 V         • of main circuit with degree of pollution 3 rated value       1000 V         • of main circuit with degree of pollution 3 rated value       1000 V         • of main circuit rated value       6 KV         maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1       680 V         stock resistance at rectangular impulse       8,5g / 5 ms, 4,2g / 10 ms         • at AC       8,5g / 5 ms, 4,2g / 10 ms         • at AC       13,4g / 5 ms, 6,5g / 10 ms         • at DC       10,000 000         • at AC       10,000 000         • at DC       10,000 000         • at DC       10,000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10000 000         • of the contactor with added electronically optimized auxiliary switch block typical       1000000         • of the contactor with added electronically optimized auxiliary switch block typical       00000	product designation	Vacuum contactor
size of contactor         S10           product extension         No           • auxiliary switch         Yes           power loss [W] for rated value of the current         42 W           • at AC in hot operating state         42 W           • at AC in hot operating state prole         14 W           • of main circuit with degree of pollution 3 rated value         8.2 W           • of main circuit with degree of pollution 3 rated value         1000 V           • of auxiliary circuit method value         6 kV           • of auxiliary circuit rated value         6 kV           • of auxiliary circuit rated value         6 kV           • of auxiliary circuit rated value         8 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 AC         10 000 000           • of the contactor with added electronically optimized auxiliary switch block typical         10 000 000           • of the contactor with added auxiliary switch	product type designation	3RT12
product extension     No       • function module for communication     Yes       • auxiliary switch     Yes       • at AC in hot operating state     42 W       • at AC in hot operating state per pole     14 W       • without load current share typical     8.2 W       insulation voltage     1 000 V       • of main circuit with degree of pollution 3 rated value     1 000 V       • of auxiliary circuit with degree of pollution 3 rated value     1 000 V       • of auxiliary circuit rated value     6 kV       • of main circuit rated value     6 kV       • of main circuit rated value     8 kV       • of auxiliary circuit rated value     6 kV       • of main circuit rated value     8 kV       • of main contacts according to EN 60947-1     850 / 5 ms, 4.2g / 10 ms       • at AC     8.5g / 5 ms, 4.2g / 10 ms       • 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 AC     10 000 000       • at AC     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000   <	General technical data	
• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current42 W• at AC in hot operating state per pole14 W• at AC in hot operating state per pole14 W• of main circuit with degree of pollution 3 rated value0 V• of auxiliary circuit with degree of pollution 3 rated value1000 V• of auxiliary circuit with degree of pollution 3 rated value6 kV• of main circuit with degree of pollution 3 rated value6 kV• of main circuit rated value6 kV• of auxiliary circuit rated value8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC10 000 000• at AC10 000 000• at AC10 000 000• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor with added electronically optimized10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical05/01/2012Arbitent conditi	size of contactor	S10
• auxiliary switchYespower loss [VI] for rated value of the current42 VV• at AC in hot operating state42 VV• at AC in hot operating state prople14 VV• at AC in hot operating state prople14 VV• without load current share typical8.2 VVinsultation voltage1000 V• of main circuit with degree of pollution 3 rated value1000 V• of main circuit rated value500 V• of main circuit rated value6 kV• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• 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 AC13.4g / 5 ms, 6.5g / 10 ms• at AC13.4g / 5 ms, 6.5g / 10 ms• at AC10.000 000• at AC2000	product extension	
power loss [W] for rated value of the current       42 W         • at AC in hot operating state       42 W         • at AC in hot operating state per pole       14 W         • without load current share typical       8.2 W         insulation voltage       • of main circuit with degree of pollution 3 rated value       1000 V         • of main circuit with degree of pollution 3 rated value       1000 V         • of auxiliary circuit with degree of pollution 3 rated value       6 kV         surge voltage resistance       6 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for safe isolation between coll and main contacts according to EN 60947-1       8.5g / 5 ms, 4.2g / 10 ms         shock resistance at rectangular impulse       8.5g / 5 ms, 4.2g / 10 ms         • at AC       8.5g / 5 ms, 6.5g / 10 ms         • at AC       13.4g / 5 ms, 6.5g / 10 ms         • at AC       10.000 000         • at AC       10.000 000         • of contactor with added electronically optimized auxiliary switch block typical       10.000 000         • of the contactor with added auxiliary switch block typical       10.000 000         • of the contactor with added auxiliary switch block typical       10.000 000         • of the contactor with added auxiliary switch block typical       05/01/2012	<ul> <li>function module for communication</li> </ul>	No
• at AC in hot operating state42 W• at AC in hot operating state per pole14 W• without load current share typical8.2 Winsulation voltage1000 V• of main circuit with degree of pollution 3 rated value1000 V• of main 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 main contacts according to BK 0947-1680 Vshock resistance at rectangular impulse8.5g / 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 AC10.00 000• at AC10.00 000• at AC10.00 000• at DC10.000 000• at DC05/01/2012Ambient conditions2.000 m• at DC05/01/2012• at DC05/01/2012• at DC2.000 m	auxiliary switch	Yes
• at AC in hot operating state per pole14 W• without load current share typical8.2 Winsulation voltage1000 V• of main circuit with degree of pollution 3 rated value500 Vsurge voltage resistance60 main circuit rated value• of main circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coll 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 AC13,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at AC10 000 000• at AC10 000 000• at AC10 000 000• at DC10 000 000• at AC10 000 000• at DC10 000 000• at DC05/01/2012Ambient conditions2 000 mmaining switch block typical0 05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-25 +60 °C	power loss [W] for rated value of the current	
• without load current share typical       8.2 W         insulation voltage       • of main circuit with degree of pollution 3 rated value         • of axiliary circuit with degree of pollution 3 rated value       1 000 V         • of axiliary circuit with degree of pollution 3 rated value       500 V         • of axiliary circuit rated value       8 kV         • of axiliary circuit rated value       6 kV         • of axiliary circuit rated value       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       6,5g / 5 ms, 4,2g / 10 ms         • at AC       8,5g / 5 ms, 4,2g / 10 ms         • at AC       13,4g / 5 ms, 6,5g / 10 ms         • at AC       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       0 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       0 5000 000         • of the cont	<ul> <li>at AC in hot operating state</li> </ul>	42 W
insulation voltage       • of main circuit with degree of pollution 3 rated value       1 000 V         • of auxiliary circuit with degree of pollution 3 rated value       500 V         surge voltage resistance       500 V         • of main circuit rated value       8 kV         • of auxiliary circuit rated value       8 kV         • of auxiliary circuit rated value       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       8,5g / 5 ms, 4,2g / 10 ms         • 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       10 000 000         • at DC       10 000 000         • of contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       05/01/2012         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient conditions       -25 +60 °C	<ul> <li>at AC in hot operating state per pole</li> </ul>	14 W
• of main circuit with degree of pollution 3 rated value1 000 V• 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 impulse8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at AC8,5g / 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 DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to EC 81346-2QQSubstance Prohibitance (Date)2 000 mambient conditions2 000 mambient temperature • during operation2 000 m	<ul> <li>without load current share typical</li> </ul>	8.2 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 impulse6 kJ• 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 DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0Substance Prohibitance (Date)05/01/2012Ambient conditions2 000 mambient temperature2 000 m• during operation2 000 m	insulation voltage	
value       value         surge voltage resistance       8 kV         • of main circuit rated value       8 kV         • of auxiliary circuit rated value       6 kV         maximum permissible voltage for safe isolation between       690 V         coil and main contacts according to EN 60947-1       690 V         shock resistance at rectangular impulse       65g / 5 ms, 4,2g / 10 ms         • 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 AC       13,4g / 5 ms, 6,5g / 10 ms         • at AC       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block       10 000 000         typical       2000 m         installation altitude at height above sea level maximum       2000 m         ambient temperature       40 °C <td><ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul></td> <td>1 000 V</td>	<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	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 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 DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typicalQreference code according to IEC 81346-2QSubstance Prohibitance (Date)2000 minstallation altitude at height above sea level maximum • during operation2 000 m	, , , , , , , , , , , , , , , , , , , ,	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 kJ / 0 ms• at AC8,5g / 5 ms, 4,2g / 10 ms• at DC8,5g / 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 DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typicalQreference code according to IEC 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1690 Vshock resistance at rectangular impulse • at AC • at DC8,5g / 5 ms, 4,2g / 10 ms 8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulse • at AC • at DC13,4g / 5 ms, 6,5g / 10 msshock resistance with sine pulse • at AC • at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles) • of contactor typical10 000 000of the contactor with added electronically optimized auxiliary switch block typical10 000 000of the contactor with added auxiliary switch block typical000 000reference code according to IEC 81346-2 Substance Prohibitance (Date)QAmbient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	<ul> <li>of main circuit rated value</li> </ul>	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 AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 ms• at DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block10 000 000• of the contactor with added auxiliary switch block000 000• of the contactor with added auxiliary switch block0000 000• of the contactor with added auxiliary switch block05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature-25 +60 °C	<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
• 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 DC10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typical0 000 000• of the contactor with added auxiliary switch block typical2 000 000• of the contactor with addee auxiliary switch block typical2 000 m• during operation2 000 m		690 V
• at DC8,5g / 5 ms, 4,2g / 10 msshock resistance with sine pulseI3,4g / 5 ms, 6,5g / 10 ms• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC10,000 000mechanical service life (switching cycles)I0 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typicalQ• of the contactor typical05/01/2012• of the contactor block typical05/01/2012• of the contactor with added auxiliary switch block typical05/01/2012• of the contactor with added auxiliary switch block typical000 m• of up contactor with added auxiliary switch block typical0.000 m• of the contactor with added auxiliary switch block typical0.000 m• of the contactor with added auxiliary switch block typical0.000 m• of the contactor with added auxiliary switch block typical0.000 m• of the contactor with added auxiliary switch block typical0.000 m• of t	shock resistance at rectangular impulse	
shock resistance with sine pulse       istigs thin the pulse in the pulse         • 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)       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       0 0000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       05/01/2012         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at AC13,4g / 5 ms, 6,5g / 10 ms• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)13,4g / 5 ms, 6,5g / 10 ms• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor block typical0000 000• of the contactor block typical0000 000• of the contactor block typical05/01/2012• dubit conditions2 000 m• during operation-25 +60 °C	● at DC	8,5g / 5 ms, 4,2g / 10 ms
• at DC13,4g / 5 ms, 6,5g / 10 msmechanical service life (switching cycles)10 000 000• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor with added auxiliary switch block typical0000 000• of the contactor wit	shock resistance with sine pulse	
mechanical service life (switching cycles)       10 000 000         • of contactor typical       10 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       5 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       000 000         reference code according to IEC 81346-2       Q         Substance Prohibitance (Date)       05/01/2012         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	• at AC	13,4g / 5 ms, 6,5g / 10 ms
• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	● at DC	13,4g / 5 ms, 6,5g / 10 ms
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>of the contactor with added auxiliary switch block typical</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>05/01/2012</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> <li>ambient temperature         <ul> <li>during operation</li> <li>-25 +60 °C</li> </ul> </li> </ul>	mechanical service life (switching cycles)	
auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)05/01/2012Ambient conditions2 000 minstallation altitude at height above sea level maximum • during operation2 000 m	<ul> <li>of contactor typical</li> </ul>	10 000 000
typical     Image: constraint of IEC 81346-2     Q       Substance Prohibitance (Date)     05/01/2012       Ambient conditions     2 000 m       installation altitude at height above sea level maximum     2 000 m       ambient temperature     -25 +60 °C		5 000 000
Substance Prohibitance (Date)       05/01/2012         Ambient conditions       1000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	5	10 000 000
Ambient conditions         installation altitude at height above sea level maximum       2 000 m         ambient temperature         • during operation       -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C	Substance Prohibitance (Date)	05/01/2012
ambient temperature       • during operation       -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	<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	95 %
maximum	
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
<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</li> </ul>	330 A
rated value ● at AC-1	
up to 690 V at ambient temperature 40 °C	330 A
rated value	
— up to 690 V at ambient temperature 60 °C rated value	300 A
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	330 A
— up to 1000 V at ambient temperature 60 °C rated value	300 A
• at AC-3	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	300 A
— at 1000 V rated value	300 A
● at AC-3e	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	300 A
— at 1000 V rated value	300 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	280 A
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	300 A
— up to 400 V for current peak value n=20 rated value	300 A
— up to 500 V for current peak value n=20 rated value	300 A
— up to 690 V for current peak value n=20 rated value	300 A
<ul> <li>— up to 1000 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	300 A
<ul> <li>up to 230 V for current peak value n=30 rated</li> </ul>	209 A
value	
<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	209 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	140 A
• at 690 V rated value	140 A
operating power	
• at AC-3	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW

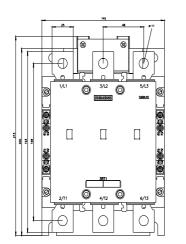
— at 500 V rated value	200 kW	
— at 690 V rated value	250 kW	
— at 1000 V rated value	400 kW	
● at AC-3e		
— at 230 V rated value	90 kW	
— at 400 V rated value	160 kW	
— at 500 V rated value	200 kW	
— at 690 V rated value	250 kW	
— at 1000 V rated value	400 kW	
operating power for approx. 200000 operating cycles at AC-4		
<ul> <li>at 400 V rated value</li> </ul>	79 kW	
at 690 V rated value	138 kW	
operating apparent power at AC-6a		
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	120 000 kVA	
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	200 000 VA	
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	260 000 VA	
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	350 000 VA	
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	520 000 VA	
operating apparent power at AC-6a		
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	80 000 VA	
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	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 value</li> </ul>	360 000 VA	
no-load switching frequency		
• at AC	2 000 1/h	
• at DC	2 000 1/h	
operating frequency		
• at AC-1 maximum	750 1/h	
<ul> <li>at AC-2 maximum</li> </ul>	250 1/h	
• at AC-3 maximum	750 1/h	
<ul> <li>at AC-3e maximum</li> </ul>	750 1/h	
<ul> <li>at AC-4 maximum</li> </ul>	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	220 240 V	
<ul> <li>at 60 Hz rated value</li> </ul>	220 240 V	
control supply voltage at DC		
rated value	220 240 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 of magnet coil at AC		
• at 50 Hz	590 VA	
• at 60 Hz	590 VA	
inductive power factor with closing power of the coil		
• at 50 Hz	0.9	
• at 60 Hz	0.9	
apparent holding power of magnet coil at AC		
• at 50 Hz		
	6.1 VA	
• at 60 Hz	6.1 VA 6.1 VA	

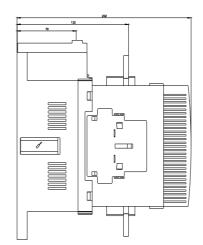
inductive power factor with the holding power of the	_		
inductive power factor with the holding power of the coil			
• at 50 Hz	0.9		
• at 60 Hz	0.9		
closing power of magnet coil at DC	700 W		
holding power of magnet coil at DC	8.2 W		
closing delay			
• at AC	30 95 ms		
• at DC	30 95 ms		
opening delay			
• at AC	40 80 ms		
• at DC	40 80 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	2		
instantaneous contact			
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		
• 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			
<ul> <li>at 24 V rated value</li> </ul>	10 A		
• at 48 V rated value	6 A		
<ul> <li>at 60 V rated value</li> </ul>	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		
at 600 V rated value	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		
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			
<ul> <li>at 480 V rated value</li> </ul>	302 A		
at 600 V rated value	289 A		
yielded mechanical performance [hp]			
<ul> <li>for 3-phase AC motor</li> </ul>			
— at 200/208 V rated value	100 hp		
— at 220/230 V rated value	125 hp		
— at 460/480 V rated value	250 hp		
at 575/600 V rated value	300 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)		
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415		
• for short-circuit protection of the suviliant switch	V, 50 kA) gG: 10 A (500 V, 1 kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	90. 10 A (000 V, 1 KA)		

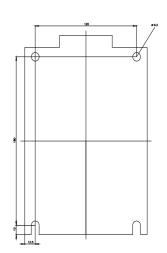
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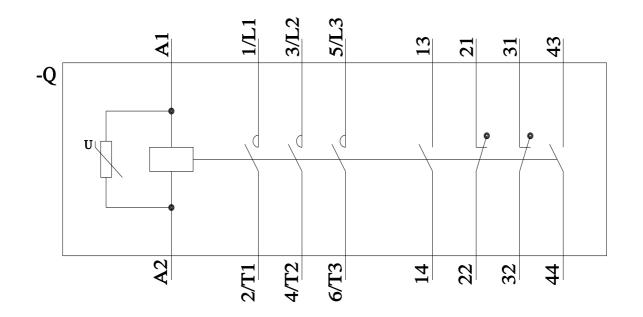
suitability for use • safety-related s Certificates/ approva	•	Yes			
General Product A					
	<u>Confirmation</u>			KC	EHC
EMC	Functional Safety/Safety of Machinery	Declaration of Confe	ormity	Test Certificates	
RCM	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate
Marine / Shipping					other
ABS	Lloyds Register uis	PRS	RMRS RMRS	DNV-GL	<u>Confirmation</u>
other		Railway			
<u>Miscellaneous</u>	<u>Confirmation</u>	Special Test Certific- ate			
Further information					
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Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AP36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1266-6AP36&objecttype=14&gridview=view1









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8/19/2022