## **SIEMENS**

## Data sheet

## 3RT1064-6AS36



CONTACTOR, 110KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 500-550V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS CONVENT. OPERATING MECHANISM SCREW TERMINAL

Figure similar		
product brand name		SIRIUS
Product designation		power contactor
General technical data:		
Insulation voltage		
Rated value	V	1 000
Degree of pollution		3
Surge voltage resistance Rated value	kV	8
Mechanical service life (switching cycles)		
<ul> <li>of the contactor typical</li> </ul>		10 000 000
<ul> <li>of the contactor with added electronics- compatible 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
Thermal short-time current restricted to 10 s	А	1 800
Protection class IP		
• on the front		IP00
• of the terminal		IP00
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q
Main circuit:		
Number of poles for main current circuit		3
Number of NC contacts for main contacts		0
Number of NO contacts for main contacts		3
Operating current		

	• at AC-1		
Rated valueA- up to 690 V at ambient temperature 60 °CA250Rated valueA250- up to 690 V at ambient temperature 60 °CA250Rated valueA225- at 400 V Rated valueA195- at 400 V Rated valueA195- at 400 V Rated valueA200- at 10 V Rated valueA200- at 110 V Rated valueA200- at 124 V Rated valueA25- at 24 V Rated valueA200- at 110 V Rated valueA25- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200 <t< td=""><td>— at 400 V at ambient temperature 40 °C</td><td>А</td><td>275</td></t<>	— at 400 V at ambient temperature 40 °C	А	275
Rated valueA250Rated value-y-up to 690 V at ambient temperature 60 °CA250Rated valueA225-at 400 V Rated valueA225-at 600 V Rated valueA225-at AC-4 at 400 V Rated valueA225-at AC-4 at 400 V Rated valueA225-at AC-4 at 400 V Rated valueA200at Bat DC-3at DC-3 at DC-5at 24 V Rated valueA200-at 110 V Rated valueA200-at 100 V Rated valueA200 <td></td> <td></td> <td></td>			
	— up to 690 V at ambient temperature 40 $^\circ C$	А	275
Rated valueImage: state valueImage: state valueA225- at 400 V Rated valueA225- at 600 V Rated valueA195Operating current with 1 current path • at DC-1Image: state valueA200- at 24 V Rated valueA200- at 100 V Rated valueA18• at DC-3 at DC-5Image: state valueA200- at 110 V Rated valueA200- at 124 V Rated valueA200- at 124 V Rated valueA200- at 100 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200-	Rated value		
• at AC-3       Image: Constraint of the section of the sectin of the section of the section of the section of the s		А	250
at 690 V Rated value         A         225           • at AC-4 at 400 V Rated value         A         195           Operating current with 1 current path         -         -           • at DC-1         -         -           - at 24 V Rated value         A         200           - at 110 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 10 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A	• at AC-3		
eta C-C-4 at 400 V Rated valueA195Operating current with 1 current path • at DC-1A200- at 24 V Rated valueA18• at DC-3 at DC-5 at 24 V Rated valueA200- at 100 V Rated valueA200- at 110 V Rated valueA200- at 124 V Rated valueA200- at 24 V Rated valueA200- at 100 V Rated valueA200- at 100 V Rated valueA200- at 10 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 100 V Rated valueA200- at 24 V Rated value<	— at 400 V Rated value	A	
Operating current with 1 current path • at DC-1         A         200           - at 24 V Rated value         A         18           - at 10 V Rated value         A         200           - at 110 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value         A         200           - at 10 V Rated value         A         200           - at 10 V Rated value         A         200           - at 24 V Rated value <td>— at 690 V Rated value</td> <td>A</td> <td>225</td>	— at 690 V Rated value	A	225
• at DC-1       A       200         - at 24 V Rated value       A       18         • at DC-3 at DC-5       -       -         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 10 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 4 V Rated value       A       200         - at 4 V Rated value       A       200         - at	• at AC-4 at 400 V Rated value	А	195
A200- at 24 V Rated valueA18• at DC-3 at DC-5 at 24 V Rated valueA200- at 110 V Rated valueA2.5Operating current with 2 current paths in series • at DC-1 at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW184- at 24 V Rate	Operating current with 1 current path		
InterferenceA18- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA2.5Operating current with 2 current paths in series	● at DC-1		
• at DC-3 at DC-5I- at 24 V Rated valueA200- at 110 V Rated valueA2.5Operating current with 2 current paths in seriesI- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW14- a	— at 24 V Rated value	А	200
- at 24 V Rated valueA200- at 110 V Rated valueA2.5Operating current with 2 current paths in series • at DC-1 at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW164- at 24 V Rated valueKW164- at 24 V Rated valueKW128- at 24 V Rated valueKW1000- at 250 V at 60 °C Rated valueKW94- at 600 V at 60 °C Rated valueKW283- at 600 V Rated valueKW283	— at 110 V Rated value	А	18
	● at DC-3 at DC-5		
Operating current with 2 current paths in seriesImage: current with 2 current paths in series• at DC-1 at 24 V Rated valueA- at 110 V Rated valueA• at DC-3 at DC-5 at 110 V Rated valueA- at 110 V Rated valueA- at 24 V Rated valueA- at 110 V Rated valueA- at 24 V Rated valueA- at 24 V Rated valueA- at 100 V Rated valueA- at 24 V Rated valueA- at 200Operating power at AC-1 at 400 V Rated valueW- at 230 V at 60 °C Rated valueW- at 690 V at 60 °C Rated valueKW- at 690 V Rated valueKW<	— at 24 V Rated value	А	200
• at DC-1       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         • at DC-3 at DC-5       -       -         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         - at 24 V Rated value       A       200         Operating current with 3 current paths in series       -       -         • at DC-1       -       -       -         - at 24 V Rated value       A       200       -         • at DC-1       -       -       -       -         - at 24 V Rated value       A       200       -         - at 10 V Rated value       A       200       -         • at DC-3 at DC-5       -       -       -         - at 110 V Rated value       A       200       -         • at AC 10 V Rated value       A       200       -         • at AC 1 at 400 V Rated value       KW       164       -         • at AC-1 at 400 V Rated value       KW       128       -         • at AC-1       -       -       -       -         • at AC-1       -       -       -<	— at 110 V Rated value	А	2.5
- at 24 V Rated valueA200- at 110 V Rated valueA200at DC-3 at DC-5 at 110 V Rated valueA200- at 24 V Rated valueA200Operating current with 3 current paths in series at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueKW164- at 24 V Rated valueKW128- at Ac-1 at 230 V at 60 °C Rated valueKW94- at 690 V Rated valueKW283- at 690 V Rated valueKW283	Operating current with 2 current paths in series		
A the formed of the original original of the original original original origin	• at DC-1		
Action of the constructionA200- at 10 V Rated valueA200- at 24 V Rated valueA200Operating current with 3 current paths in series • at DC-1 at 24 V Rated valueA200- at 10 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 10 V Rated valueA200- at 24 V Rated valueKW164- at AC-1 at 400 V Rated valueKW110 000- at AC-4 at 400 V Rated valueKW94- at 230 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283- at 690 V Rated valueKW283	— at 24 V Rated value	А	200
- at 110 V Rated valueA200- at 24 V Rated valueA200Operating current with 3 current paths in series • at DC-1 at 24 V Rated valueA200- at 24 V Rated valueA200- at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueKW164- at 24 V Rated valueKW128- at A00 V Rated valueW110 000Operating power • at AC-1W110 000- at 230 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283	— at 110 V Rated value	А	200
Initial relationA200Operating current with 3 current paths in series • at DC-1 at 24 V Rated valueA200- at 110 V Rated valueA200- at 110 V Rated valueA200• at DC-3 at DC-5 - at 110 V Rated valueA200- at 110 V Rated valueA200• at AC-1 at 400 V Rated valueA200• at AC-1 at 400 V Rated valueKW164• at AC-2 at 400 V Rated valueKW110 000Operating power • at AC-1W110 000• at AC-1 • at 690 V at 60 °C Rated valueKW94- at 690 V Rated valueKW283	• at DC-3 at DC-5		
Operating current with 3 current paths in seriesA200• at DC-1- at 24 V Rated valueA200- at 110 V Rated valueA200• at DC-3 at DC-5 at 110 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200- at 24 V Rated valueA200Operating power• at AC-1 at 400 V Rated valueKW164• at AC-2 at 400 V Rated valueKW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1 at 230 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283	— at 110 V Rated value	А	200
• at DC-1       A       200         - at 24 V Rated value       A       200         - at 110 V Rated value       A       200         • at DC-3 at DC-5       -       -         - at 110 V Rated value       A       200         - at 110 V Rated value       A       200         - at 24 V Rated value       A       200         • at AC-1 at 400 V Rated value       KW       164         • at AC-2 at 400 V Rated value       KW       110 000         • at AC-4 at 400 V Rated value       W       110 000         • at AC-1       -       -         • at 690 V at 60 °C Rated value       KW       94         - at 690 V Rated value       KW       283         - at 690 V Rated value       KW <td< td=""><td>— at 24 V Rated value</td><td>А</td><td>200</td></td<>	— at 24 V Rated value	А	200
at 24 V Rated valueA200 at 110 V Rated valueA200• at DC-3 at DC-5 at 110 V Rated valueA200 at 24 V Rated valueA200 at 24 V Rated valueA200Operating power• at AC-1 at 400 V Rated valueKW164• at AC-2 at 400 V Rated valueKW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1• at AC-1 at 230 V at 60 °C Rated valueKW94- at 690 V at 60 °C Rated valueKW283- at 690 V Rated valueKW283	Operating current with 3 current paths in series		
- at 110 V Rated valueA200• at DC-3 at DC-5A200- at 110 V Rated valueA200- at 24 V Rated valueA200• at 24 V Rated valueKW164• at AC-1 at 400 V Rated valueKW128• at AC-2 at 400 V Rated valueW110 000• at AC-4 at 400 V Rated valueW110 000• at AC-1	• at DC-1		
• at DC-3 at DC-5II- at 110 V Rated valueA200- at 24 V Rated valueA200Operating power• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1• at AC-1KW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	— at 24 V Rated value	А	200
- at 110 V Rated valueA200- at 24 V Rated valueA200Operating power at AC-1 at 400 V Rated valueKW164- at AC-2 at 400 V Rated valueKW128- at AC-4 at 400 V Rated valueW110 000Operating power at AC-1 at 230 V at 60 °C Rated valueKW94- at 690 V Rated valueKW283- at 690 V Rated valueKW283	— at 110 V Rated value	А	200
at 24 V Rated valueA200Operating power• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	• at DC-3 at DC-5		
Operating power• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	— at 110 V Rated value	А	200
• at AC-1 at 400 V Rated valuekW164• at AC-2 at 400 V Rated valuekW128• at AC-4 at 400 V Rated valueW110 000Operating power- at AC-1- at 230 V at 60 °C Rated value- at 690 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	— at 24 V Rated value	А	200
• at AC-2 at 400 V Rated value       kW       128         • at AC-4 at 400 V Rated value       W       110 000         Operating power	Operating power		
• at AC-4 at 400 V Rated valueW110 000Operating powerKWFrance• at AC-1- at 230 V at 60 °C Rated valuekW- at 690 V at 60 °C Rated valuekW94- at 690 V at 60 °C Rated valuekW283- at 690 V Rated valuekW283	• at AC-1 at 400 V Rated value	kW	164
Operating powerImage: Comparison of the c	• at AC-2 at 400 V Rated value	kW	128
• at AC-1 — at 230 V at 60 °C Rated value	• at AC-4 at 400 V Rated value	W	110 000
- at 230 V at 60 °C Rated value       kW       94         - at 690 V at 60 °C Rated value       kW       283         - at 690 V Rated value       kW       283	Operating power		
at 690 V at 60 °C Rated valuekW283 at 690 V Rated valuekW283	• at AC-1		
- at 690 V Rated value kW 283	— at 230 V at 60 °C Rated value	kW	94
	— at 690 V at 60 °C Rated value	kW	283
• at AC-3	— at 690 V Rated value	kW	283
	● at AC-3		

Latition Value Value     KW     180	— at 230 V Rated value	kW	73
	— at 400 V Rated value	kW	128
Operating power for ≥ 200000 operating cycles at AC-4     KW     54       • at 400 V Rated value     KW     54       • at 690 V Rated value     KW     82       Operating frequency     kW     82       • at AC-3 maximum     1/h     500       Control circuit/ Control:     T       Type of voltage of the control supply voltage     AC/DC       Control supply voltage with AC     v     500 550       • at 60 Hz Rated value     V     500 550       Control supply voltage for DC     v     500 550       • Rated value     V     500 550       Control supply voltage for DC     v     60       • Rated value     V     500 550       • Rated value     Hz     40       Control supply voltage frequency 2 Rated value     Hz     60       Operating range factor control supply voltage rated     0.8 1.1     0.8 1.1       • at 50 Hz     0.8 1.1     0.8 1.1       • at 60 Hz     0.8 1.1     0.8 1.1       Operating range factor control supply voltage rated     value     0.8 1.1       • at 60 Hz     0.8 1.1     0.8 1.1       Operating range factor control supply voltage rated     0.8 1.1       VADer of the magnet coil with AC     VA     590	— at 500 V Rated value	kW	160
AC-4       kW       54         • at 400 V Rated value       kW       82         Operating frequency       nt AC-3 maximum       1/h       500         • at AC-3 maximum       1/h       500       500         Control circuit/ Control:       Type of voltage of the control supply voltage       AC/DC         Control circuit/ Control:       V       500 550         • at 50 Hz Rated value       V       500 550         • at 60 Hz Rated value       V       500 550         • Rated value       V       500 550         • Rated value       V       500 550         • Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value of the magnet col with AC       4.8 1.1         • at 50 Hz       0.8 1.1       0.8 1.1         • at 50 Hz       0.8 1.1       0.8 1.1         • at 60 Hz       0.8 1.1       0.9         • at 50 Hz       0.8 1.1       0.9         • at 50 Hz       0.8 1.1       0.9         • at 50 Hz       0.8 1.1       0.9         Apparent pick-up power of the magnet col with AC       VA	— at 690 V Rated value	kW	223
• at 400 V Rated valueKW54• at 690 V Rated valueKW82Operating frequency • at AC-3 maximum1/h500Control circuit/ Control:1/h500Type of voltage of the control supply voltageAC/DCControl supply voltage with AC • at 50 Hz Rated valueV500 550Control supply voltage for DC • Rated valueV500 550Control supply voltage for DC 	Operating power for $\geq$ 200000 operating cycles at	-	
e at 800 V Rated value       kW       82         Operating frequency       1/h       500         • at AC-3 maximum       1/h       500         Control circult/ Control:       1/h       500         Type of voltage of the control supply voltage       AC/DC         Control supply voltage with AC       4         • at 50 Hz Rated value       V       500 550         • at 60 Hz Rated value       V       500 550         Control supply voltage for DC       6         • Rated value       V       500 550         Control supply voltage frequency 2 Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value       Hz       60         Operating range factor control supply voltage rated value       Hz       60         Operating range factor control supply voltage rated value       0.8 1.1       0.8 1.1         • at 60 Hz       0.8 1.1       0.8 1.1       0.8 1.1         • at 60 Hz       0.8 1.1       0.8 1.1       0.8 1.1         Design of the magnet coil with AC       V.A       6.7         Closing power of the magnet coil with AC       V.A       6.7 </td <td>AC-4</td> <td></td> <td></td>	AC-4		
Operating frequency       1/h       500         e at AC-3 maximum       1/h       500         Control circuit/ Control:       Type of voltage of the control supply voltage       AC/DC         Control supply voltage with AC       • at 50 Hz Rated value       V       500 550         • at 60 Hz Rated value       V       500 550         Control supply voltage for DC       • Rated value       V       500 550         Control supply voltage froquency 2 Rated value       V       500 550         Control supply voltage frequency 2 Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value of the magnet coil with AC       0.8 1.1         • at 50 Hz       0.8 1.1       0.8 1.1         • at 60 Hz       0.8 1.1       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil with AC       V.A       590         Apparent pick-up power of the magnet coil with AC       V.A       590         Apparent holding power of the magnet coil with AC       V.A       6.7         Closing power of the magnet coil for DC       W       650         Holding power of the coil       0.9       0.9	• at 400 V Rated value	kW	54
• at AC-3 maximum       1/h       500         Control circuit/ Control:       Type of voltage of the control supply voltage       AC/DC         Control supply voltage with AC       • at 50 Hz Rated value       V       500 550         • at 60 Hz Rated value       V       500 550       Control supply voltage for DC       • Rated value       V       500 550         • Rated value       V       500 550       Control supply voltage for DC       • Hz       40         • Rated value       V       500 550       S00 550       S00 550         • Rated value       Hz       40       S00 550       S00 550         • Rated value       Hz       40       S00 550       S00 550         • It 50 Hz       0.8 1.1       S00 550       S00 550       S00 550         • at 50 Hz       0.8 1.1       S00 550	• at 690 V Rated value	kW	82
Control circuit/ Controls         Type of voltage of the control supply voltage       AC/DC         Control supply voltage with AC       • at 50 Hz Rated value       V       500 550         • at 50 Hz Rated value       V       500 550       Control supply voltage for DC       •         • Rated value       V       500 550       Control supply voltage for DC       •       Fill         • Rated value       V       500 550       Control supply voltage frequency 2 Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60       Control supply voltage frequency 2 Rated value         • Rated value       Hz       60       0       0       0         • at 50 Hz       0.8 1.1       0.8 1.1       0       0.8 1.1       0         • at 50 Hz       0.8 1.1       0.8 1.1       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.8 1.1       0       0.9 550       0       0.9 550       0       0       0       0       0       0       0	Operating frequency	-	
Type of voltage of the control supply voltage       AC/DC         Control supply voltage with AC       • at 50 Hz Rated value       V       500 550         • at 60 Hz Rated value       V       500 550         Control supply voltage for DC       • Rated value       V       500 550         • Rated value       V       500 550         Control supply voltage for DC       • Rated value       V       500 550         • Rated value       V       500 550       • Control supply voltage for DC         • Rated value       V       500 550       • Control supply voltage for DC         • Rated value       Hz       40       • Control supply voltage for DC       • Eated value         • Control supply voltage factor control supply voltage rated value       Hz       60       • Control supply voltage factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         • at 60 Hz       0.8 1.1       • 8 1.1       • 8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       V:A       5.7         Design of the surge suppressor       with varistor       • 590         Apparent plck-up power of the magnet coil with AC       V:A       6.7         Closing power of the magnet coil for DC       W       7	● at AC-3 maximum	1/h	500
Control supply voltage with AC       V       500 550         • at 50 Hz Rated value       V       500 550         • at 60 Hz Rated value       V       500 550         Control supply voltage for DC       •         • Rated value       V       500 550         • Rated value       V       500 550         • Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value of the magnet coil with AC       0.8 1.1         • at 50 Hz       0.8 1.1       0.8 1.1         • at 60 Hz       0.8 1.1       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         • at 60 Hz       0.8 1.1       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil with AC       V-A       590         Apparent pick-up power of the magnet coil with AC       V-A       590       Apparent holding power of the magnet coil with AC       V-A         Inductive power factor       0.9       0.9       0.9       0.9       0.9       0.9         with the holding power of the coil       0.9       0.9       0.9       0.9	Control circuit/ Control:		
• at 50 Hz Rated valueV500 550• at 60 Hz Rated valueV500 550Control supply voltage for DC• Rated valueHz40Control supply voltage frequency 2 Rated valueHz60Operating range factor control supply voltage rated value of the magnet coil with AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1Operating range factor control supply voltage rated value of the magnet coil for DC0.8 1.1• besign of the surge suppressorwith varistorApparent pick-up power of the magnet coil with ACV·A590Apparent holding power of the magnet coil with ACV·A6.7Closing power of the magnet coil of DCW650Holding power of the magnet coil of DCW7.4Inductive power factor • with closing power of the coil0.9• with the holding power of the coil0.9• with the holding power of the coil0.9• with the holding power of the coil2			AC/DC
Indext valueV500 550Control supply voltage for DCV• Rated valueV• Rated valueHz40Control supply voltage frequency 2 Rated valueHzOperating range factor control supply voltage rated value of the magnet coll with AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1Operating range factor control supply voltage rated value of the magnet coll of DC0.8 1.1• besign of the surge suppressorwith varistorApparent pick-up power of the magnet coll with ACV:A590Apparent holding power of the magnet coll with ACV:A6.7Closing power of the magnet coll of DCW650Holding power of the magnet coll of DCW0.9• with closing power of the coil0.90.9• with the holding power of the coil0.90.9• with the holding power of the coil0.90.9• mit the holding power of the coil0.90.9• with the holding power of the coil0.90.9• with the holding power of the coil0.90.9• with the holding power of the coil0.90.9• mit the holding power of the coil0.9• for auxiliary contacts2	Control supply voltage with AC		
Control supply voltage for DC       V       500 550         • Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value of the magnet coll with AC       0.8 1.1         • at 50 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coll for DC       0.8 1.1         Design of the surge suppressor       with varistor         Apparent plck-up power of the magnet coll with AC       V:A         Folding power of the magnet coll for DC       W         Holding power of the magnet coll for DC       W         • with closing power of the magnet coll for DC       W         • with closing power of the coll       0.9         • with the holding power of the coil       0.9         • with the holding power of the coil       0.9         • with the holding power of the coil       0.9         • for auxiliary contacts       2	● at 50 Hz Rated value	V	500 550
• Rated value       V       500 550         • Rated value       Hz       40         Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value of the magnet coil with AC       0.8 1.1         • at 50 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         Design of the surge suppressor       with varistor         Apparent plck-up power of the magnet coil with AC       V:A       590         Apparent holding power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9       0.9         • with closing power of the coil       0.9       0.9         • with the holding power of the coil       0.9       0.9         • for auxiliary contacts       2       2	• at 60 Hz Rated value	V	500 550
Nation NationHzHz40• Rated valueHz40• Rated valueHz60Operating range factor control supply voltage rated value of the magnet coil with AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1Operating range factor control supply voltage rated value of the magnet coil for DC0.8 1.1Design of the surge suppressorwith varistorApparent pick-up power of the magnet coil with ACV·AClosing power of the magnet coil for DCWHolding power of the magnet coil for DCWHolding power of the magnet coil for DCWHolding power of the magnet coil for DCW• with closing power of the coil0.9• with the holding power of the coil0.9• with the holding power of the coil0.9• with the holding power of the coil0.9• mathematic surge suppresson2	Control supply voltage for DC		
Control supply voltage frequency 2 Rated value       Hz       60         Operating range factor control supply voltage rated value of the magnet coil with AC       0.8 1.1         • at 50 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         Obesign of the surge suppressor       with varistor         Apparent plck-up power of the magnet coil with AC       V-A         Closing power of the magnet coil for DC       W         Holding power of the magnet coil of DC       W         Holding power of the magnet coil for DC       W         Holding power of the magnet coil for DC       W         Holding power of the magnet coil for DC       W         Number of NC contacts       0.9         • for auxiliary contacts       2	Rated value	V	500 550
Operating range factor control supply voltage rated value of the magnet coil with AC       0.8 1.1         • at 50 Hz       0.8 1.1         • at 60 Hz       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         Design of the surge suppressor       with varistor         Apparent pick-up power of the magnet coil with AC       V-A       590         Apparent holding power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9       0.9         • with closing power of the coil       0.9       0.9         Auxiliary circuit:       Value       1.2         Number of NC contacts       2       2	Rated value	Hz	40
value of the magnet coil with AC0.8 1.1• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1Operating range factor control supply voltage rated value of the magnet coil for DC0.8 1.1Design of the surge suppressorwith varistorApparent pick-up power of the magnet coil with ACV·A590Apparent holding power of the magnet coil with ACV·A6.7Closing power of the magnet coil for DCW650Holding power of the magnet coil for DCW0.9• with closing power of the coil0.9• with the holding power of the coil0.9• with the holding power of the coil2	Control supply voltage frequency 2 Rated value	Hz	60
• at 50 Hz0.8 1.1• at 60 Hz0.8 1.1Operating range factor control supply voltage rated value of the magnet coil for DC0.8 1.1Design of the surge suppressorwith varistorApparent pick-up power of the magnet coil with ACV·A590Apparent holding power of the magnet coil with ACV·A6.7Closing power of the magnet coil for DCW650Holding power of the magnet coil for DCW0.9• with closing power of the coil0.9• with he holding power of the coil0.9• with the holding power of the coil0.9• with closing power of the coil0.9• the holding power of the coil0.9• the national power of the coil0.9• for auxiliary contacts2			
• at 60 Hz       0.8 1.1         Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         Design of the surge suppressor       with variator         Apparent pick-up power of the magnet coil with AC       V·A       590         Apparent holding power of the magnet coil with AC       V·A       6.7         Closing power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9         • with the holding power of the coil       0.9         • with the holding power of the coil       0.9         • with the holding power of the coil       0.9         • mith the holding power of the coil       0.9         • mith the holding power of the coil       0.9         • mith the holding power of the coil       0.9	value of the magnet coil with AC		
Operating range factor control supply voltage rated value of the magnet coil for DC       0.8 1.1         Design of the surge suppressor       with varistor         Apparent pick-up power of the magnet coil with AC       V·A       590         Apparent holding power of the magnet coil or DC       V·A       6.7         Closing power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9       0.9         • with the holding power of the coil       0.9       0.9         • with the holding power of the coil       0.2       0.9         • mith closing power of the coil       0.9       0.9         • mith closing power of the coil       0.9       0.9         • mith closing power of the coil       0.9       0.9         • mith the holding power of the coil       0.9       0.9         • mith the holding power of the coil       0.9       0.9         • mith the holding power of the coil       0.9       0.9         • mith the holding power of the coil       0.9       0.9         • for auxiliary contacts       2       2	• at 50 Hz		
value of the magnet coil for DC       with variator         Design of the surge suppressor       with variator         Apparent pick-up power of the magnet coil with AC       V·A       590         Apparent holding power of the magnet coil with AC       V·A       6.7         Closing power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9         • with the holding power of the coil       0.9         Auxiliary circuit:       Number of NC contacts         • for auxiliary contacts       2	• at 60 Hz		0.8 1.1
Design of the surge suppressorwith variatorApparent pick-up power of the magnet coil with ACV·A590Apparent holding power of the magnet coil with ACV·A6.7Closing power of the magnet coil for DCW650Holding power of the magnet coil for DCW7.4Inductive power factor0.9• with closing power of the coil0.9• with the holding power of the coil0.9• mith the holding power of the coil2			0.8 1.1
Apparent pick-up power of the magnet coil with ACV·A590Apparent holding power of the magnet coil with ACV·A6.7Closing power of the magnet coil for DCW650Holding power of the magnet coil for DCW7.4Inductive power factor0.9• with closing power of the coil0.9• with the holding power of the coil0.9• with the holding power of the coil0.9• mith the holding power of the coil0.9• with the holding power of the coil0.9• mith the holding power of the coil2			
Apparent holding power of the magnet coil with AC       V·A       6.7         Closing power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9         • with closing power of the coil       0.9         • with the holding power of the coil       0.9         • with the holding power of the coil       0.9         - instantaneous contacts       2			
Closing power of the magnet coil for DC       W       650         Holding power of the magnet coil for DC       W       7.4         Inductive power factor       0.9         • with closing power of the coil       0.9         • with the holding power of the coil       0.9         • with the holding power of the coil       0.9         • mith the holding power of the coil       0.9         • mith the holding power of the coil       0.9         • for auxiliary circuit:       2		_	
Holding power of the magnet coil for DC     W     7.4       Inductive power factor     0.9       • with closing power of the coil     0.9       • with the holding power of the coil     0.9       Auxiliary circuit:     0.9       Number of NC contacts     2       • for auxiliary contacts     2			
Inductive power factor     0.9       • with closing power of the coil     0.9       • with the holding power of the coil     0.9       Auxiliary circuit:     0.9       Number of NC contacts     2       • for auxiliary contacts     2			
<ul> <li>with closing power of the coil</li> <li>with the holding power of the coil</li> <li>0.9</li> <li>0.9</li> </ul> Auxiliary circuit:           Number of NC contacts           • for auxiliary contacts           - instantaneous contact           2		VV	7.4
with the holding power of the coil      O.9      Auxiliary circuit:      Number of NC contacts     ofor auxiliary contacts			0.0
Auxiliary circuit:       Number of NC contacts       • for auxiliary contacts       — instantaneous contact       2			
Number of NC contacts       • for auxiliary contacts       — instantaneous contact       2	• with the holding power of the coil		0.9
for auxiliary contacts    instantaneous contact     2			
— instantaneous contact 2	Number of NC contacts		
	<ul> <li>for auxiliary contacts</li> </ul>		
Number of NO contacts	— instantaneous contact		2
	Number of NO contacts		
● for auxiliary contacts	<ul> <li>for auxiliary contacts</li> </ul>		
- instantaneous contact 2	— instantaneous contact		2
Operating current at AC-15	Operating current at AC-15		
• at 230 V Rated value A 6	• at 230 V Rated value	А	6

• at 400 V Rated value	A	3
Operating current		
• at DC-12 at 220 V Rated value	A	1
• at DC-13 at 220 V Rated value	A	0.3
Operating current		
• at DC-12		
— at 60 V Rated value	А	6
— at 110 V Rated value	А	3
• at DC-13		
— at 24 V Rated value	А	10
— at 60 V Rated value	А	2
— at 110 V Rated value	А	1
UL/CSA ratings:		
Contact rating of the auxiliary contacts acc. to UL		A600 / Q600
Short-circuit:		
Design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
- with type of assignment 1 required		fuse gL/gG: 500 A
— with type of assignment 2 required		fuse gL/gG: 400 A
<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>		fuse gL/gG: 10 A
required		
Installation/ mounting/ dimensions:		
Mounting type		screw fixing
<ul> <li>Side-by-side mounting</li> </ul>		Yes
Height	mm	210
Width	mm	145
Depth	mm	202
Required spacing		
<ul> <li>for grounded parts</li> </ul>		
— at the side	mm	10
Connections/ Terminals:		
Type of electrical connection		
<ul> <li>for main current circuit</li> </ul>		screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>		screw-type terminals
Type of connectable conductor cross-section		
<ul> <li>for AWG conductors for main contacts</li> </ul>		2/0 500 kcmil
<ul> <li>for auxiliary contacts</li> </ul>		
— solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— finely stranded with core end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>		2x (20 16), 2x (18 14), 1x 12

Size of contactor				\$10		
				S10		
	height above sea le	evel	m	2 000		
naximum Imbient temperature			_			
during operation			°C	-25 +60		
<ul> <li>during operation</li> <li>during storage</li> </ul>			°C	-55 +80		
• during storage			J			
ertificates/ approval	s:					
General Product A	Approval				Functional	Declaration of
					Safety/Safety	Conformity
					of Machinery	
(ma)				<b>n r</b>	Type Examination	
$(\mathbf{m})$	(96)		- FI	AL		
CCC	CSA			▏▌▐▙		EG-Konf.
		01				
Test Certificates		Shipping A	Approval			
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other						
Environmental	Confirmation	other				
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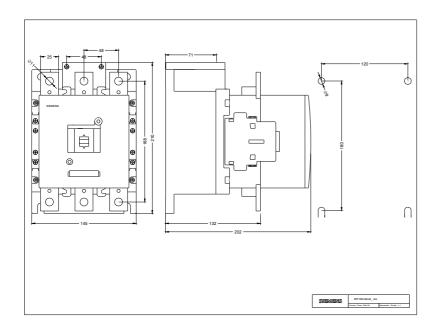
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