SIEMENS

Product data sheet

3RT1276-6LA06



VAC. CONTACTOR, 250KW/400V/AC-3 WITHOUT COIL AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S12 RAIL CONNECTIONS

General details:					
Product brand name		SIRIUS			
product designation	_	power contactor			
Size of the contactor	_	S12			
Protection class IP / on the front	_	IP00			
Degree of pollution	_	3			
Installation altitude / at a height over sea level / maximum	m	2,000			
Ambient temperature / during operating	°C	-25 +60			
Active power loss / per conductor / typical	W	32			
Item designation	_				
according to DIN EN 61346-2		Q			
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		к			
Mechanical operating cycles as operating time	_				
• of the contactor / typical		10,000,000			
 of the contactor with added auxiliary switch block / typical 		10,000,000			
 of the contactor with added electronics-compatible auxiliary switch block / typical 		5,000,000			
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 / at 400 V / at 40 °C ambient temperature / rated value	A	610			
Operating current / at AC-1 / at 400 V / at 60 °C ambient temperature / rated value	A	550			
Operating current					
• at AC-3 / at 400 V / rated value	А	500			
Service power					
• at AC-1 / at 400 V / rated value	kW	362			
• at AC-2 / at 400 V / rated value	kW	291			
• at AC-3					
• at 400 V / rated value	kW	250			
• at 500 V / rated value	kW	363			
• at 690 V / rated value	kW	507			
Control circuit:					
Type of voltage / of the controlled supply voltage		AC/DC			
Control supply voltage frequency					
control output totage inequency		40			
• 1 / rated value	Hz	40			
	Hz Hz	40 60			
• 1 / rated value					
 1 / rated value 2 / rated value 					
1 / rated value 2 / rated value Auxiliary circuit:		60			
• 1 / rated value • 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts		60			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts		60 1 faulty switching per 100 million (17 V, 1 mA)			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching 		60 1 faulty switching per 100 million (17 V, 1 mA) 2			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching 		60 1 faulty switching per 100 million (17 V, 1 mA) 2			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts		60 1 faulty switching per 100 million (17 V, 1 mA) 2 0			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching lagsing switching 		60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching lagging switching 		60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts ontacts / for auxiliary contacts Operating current / of the auxiliary contacts	Hz	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 0			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching leading switching leading switching Operating current / of the auxiliary contacts at AC-12 / maximum 	Hz	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 0			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching leading switching Operating current / of the auxiliary contacts at AC-12 / maximum at AC-15 	Hz	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 0 10			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching lagding switching Operating current / of the auxiliary contacts at AC-12 / maximum at AC-15 at 230 V 	Hz A A	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 10 6			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching leading switching Operating current / of the auxiliary contacts at AC-12 / maximum at AC-15 at 230 V at 400 V 	Hz A A	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 10 6			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching leading switching Operating current / of the auxiliary contacts at AC-12 / maximum at AC-15 at 230 V at 400 V at ADC-12 	Hz A A A A	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 0 10 6 3			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching leading switching leading switching at AC-12 / maximum at AC-15 at 230 V at 400 V at DC-12 at 60 V 	Hz A A A A A A	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 0 10 6 3 6			
 1 / rated value 2 / rated value Auxiliary circuit: Contact reliability / of the auxiliary contacts Number of NC contacts / for auxiliary contacts instantaneous switching lagging switching Number of NO contacts / for auxiliary contacts instantaneous switching leading switching Operating current / of the auxiliary contacts at AC-12 / maximum at AC-15 at 230 V at 400 V at 400 V at 60 V at 110 V 	Hz	60 1 faulty switching per 100 million (17 V, 1 mA) 2 0 2 0 10 6 3 6 3 6 3			

• at 60 V A 2 • at 110 V A 1 • at 220 V A 0.3 Short-circuit Beign of the fuse lnk Itse gL/gG: 10 A • for short-circuit protection of the auxiliary switch / required Itse gL/gG: 800 A • for short-circuit protection of the main circuit Itse gL/gG: 800 A • with type of assignment 1 / required Itse gL/gG: 800 A • at type of coordination 2 / required Screw fxing • statilation/mounting/dimensions: Yees Type of mounting mm 145 estries installation Yees With mm 206 Design of the electrical connection mm 206 Design of the electrical connection mm 206 Origin of the electrical connection screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-typ	• at 110 V • at 220 V Short-circuit: Design of the fuse link	A	1			
• at 220 V A 0.3 Protectarcuit: • use gL/gG: 10 A • for short-circuit protection of the auxiliary switch / required use gL/gG: 800 A • ior short-circuit protection of the main circuit use gL/gG: 800 A • ior short-circuit protection of the main circuit use gL/gG: 800 A • ior short-circuit protection of the main circuit use gL/gG: 800 A • ior short-circuit protection of the main circuit use gL/gG: 800 A • ior short-circuit protection of the main circuit use gL/gG: 800 A • ior short-circuit protection of the main circuit use gL/gG: 800 A • ior short-circuit protection of the main circuit screw fixing • ior short-circuit protection of the main circuit mm vidth mm 210 • ior and circuit circuit mm 200 • ior and circuit circuit mm 200 • ior andialization number and letter for switching elements 22 E • ior andialization number and letter for switching elements 22 E • ior andialization number and letter for switching elements 22 E • ior andialization number and letter for switching elements 22 E • ior andialization number and letter for switching iot	• at 220 V Short-circuit: Design of the fuse link					
Short-circuit protection of the auxiliary switch / required for short-circuit protection of the auxiliary switch / required for short-circuit protection of the main circuit with type of assignment 1 / required at type of coordination 2 / required type of coordination 2 / required series installation Nutch teight	Short-circuit: Design of the fuse link		0.0			
Pesign of the fuse link • for short-circuit protection of the auxiliary switch / required • with type of assignment 1 / required • at type of assignment 1 / required • at type of coordination 2 / required • for maintaliation • for main current circuit • for auxiliary and control current circuit • for auxil	Design of the fuse link					
• for short-circuit pretection of the auxiliary switch / required fuse gL/gG: 10 Å • with type of assignment 1 / required fuse gL/gG: 800 Å • at type of coordination 2 / required fuse gL/gG: 800 Å restallation/mounting/dimensions: screw fixing series installation Yes Width 145 Height mm Joint A 145 Pageth mm Datace, to be maintained, to earthed part / sidewards mm Of auxiliary and control current circuit mm • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current <td></td> <td></td> <td></td> <td></td> <td></td>						
• for short-dircuit protection of the main dircuit • with type of assignment 1 / required fuse gL/gG: 800 A • at type of coordination 2 / required fuse gL/gG: 800 A Installation/nounting/dimensions: Vice of mounting screw fixing screw fixing screw fixing vicit h Yes Width Yes Width nm reight mm 210 mm Depth mm Distance, to be maintained, to earthed part / sidewards mm 0 connection type: Connection direction • for main current circuit screw-type terminals • for main current circuit screw-type terminals • for an current circuit screw-type terminals • for axiliary and control current circuit screw-type terminals • for axiliary and control current circuit screw-type terminals • for axiliary and control current circuit screw-type terminals • for axiliary and control current circuit screw-type terminals • for axiliary of the electrical connection screw-type terminals • for axiliary of the sidewards screw-type terminals • for axiliary of the sidewards screw-type terminals • for axiliary and control current circuit screw-type terminals • for axiliary of the sidewards screw-type terminals • for axiliary of the sidewards screw-type terminals • for axiliary of the sidewards screw-type terminals • for axiliary	for short-circuit protection of the auxiliary switch / required					
• with type of assignment 1 / required fuse gL/gG: 800 A • at type of coordination 2 / required fuse gL/gG: 800 A • hstallation/mounting/dimensions: ves Type of mounting screw fixing exires installation Yes Width 145 Height mm Depth mm Distance, to be maintained, to earthed part / sidewards mm of the electrical connection mm • for main current circuit screw-type terminals • for and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals • for adding and control current circuit screw-type terminals <t< td=""><td></td><td></td><td colspan="4">fuse gL/gG: 10 A</td></t<>			fuse gL/gG: 10 A			
• at type of coordination 2 / required fuse gL/gG: 800 A installation/mounting/dimensions: screw fixing Type of mounting screw fixing series installation Yes Width mm Height mm Dopph mm Dopph mm Distance, to be maintained, to earthed part / sidewards mm • for main current circuit screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals <	for short-circuit protection of the main circuit					
Installation/mounting/dimensions: Type of mounting screw fixing series installation Yes Width mm 145 Height mm 210 Depth mm 206 Distance, to be maintained, to earthed part / sidewards mm 10 Connection type: mm 206 Distance, to be maintained, to earthed part / sidewards mm 10 Connection type: screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary auxiliary and control current circ	 with type of assignment 1 / required 		fuse gL/gG: 800 A			
Type of mounting screw fixing series installation Yes Width mm 145 Height mm 210 Dopth mm 206 Distance, to be maintained, to earthed part / sidewards mm 0 Connection type: mm 206 Connection type: screw-type terminals screw-type terminals • for main current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary auxiliary au	at type of coordination 2 / required		fuse gL/	gG: 800 A		
series installation Yes Width nmm 145 Height nmm 210 Depth nmm 206 Distance, to be maintained, to earthed part / sidewards mm 10 Connection type: nmm 0 Design of the electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • for auxiliary auxiliary auxiliary a	nstallation/mounting/dimensions:					
With nmm 145 Height nmm 210 Depth nmm 206 Distance, to be maintained, to earthed part / sidewards nmm 10 Connection type: nmm 10 Design of the electrical connection screw-type terminals screw-type terminals • for main current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals (Identification number and letter for switching elements 22 E test Certificates Certificates/approval: Functional Safety of Machinery Manufacturer Shipping Approval other SUVA Manufacturer Ass c. screw-type terminals screw-type terminals Subping Approval other screw-type terminals screw-type terminals General Product Approva	ype of mounting		screw fixing			
Height mm 210 Depth mm 206 Distance, to be maintained, to earthed part / sidewards mm 10 Connection type: mm 10 Connection type: screw-type terminals screw-type terminals • for main current circuit screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals Identification number and letter for switching elements 22 E test Certificates/approvals: Concept screw-type terminals screw-type terminals Softeprovals: general Product Approval Test Certificates Shipping Approval other SUVA Manufacturer Shipping Approval other screw-type terminals screw-type terminals General Product Approval functioner SUVA Manufacturer Shipping Approval other screw-type terminals screw-type terminals General Product Approval functioner SUVA Manufacturer Shipping Approval other screw-type terminals screw-type terminals General Product Approval	eries installation		Yes			
Depth mm 206 Distance, to be maintained, to earthed part / sidewards mm 10 Connection type: mm 10 Design of the electrical connection • for main current circuit • for auxiliary and control current circuit screw-type terminals screw-type terminals screw-type terminals • for auxiliary and control current circuit 22 E screw-type terminals screw-type terminals • for auxiliary and control current circuit 22 E screw-type terminals screw-type terminals • for auxiliary and control current circuit 22 E screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals screw-type terminals • for auxiliary and control current circuit screw-type terminals screw-type terminals screw-type terminals • for auxiliary and control current or switching elements 22 E screw-type terminals screw-type terminals • deneral Product Approval State for auxiliary and control current circuit screw-type terminals screw-type terminals Shipping Approval Screw-type terminals screw-type terminals screw-type terminals Shipping Approval other screw-type term	Vidth	mm	145	145		
Distance, to be maintained, to earthed part / sidewards mm 10 Connection type: Screw-type terminals Screw-type terminals • for main current circuit screw-type terminals Screw-type terminals • for auxiliary and control current circuit screw-type terminals Screw-type terminals Identification number and letter for switching elements 22 E Screw-type terminals Conficates/approvals: Functional Safety / Safety of Machinery Test Certificates Sofe Screw-type terminals Safety of Machinery Manufacturer Shipping Approval other SulvA Manufacturer Shipping Approval ct SulvA Manufacturer Shipping Approval ct SulvA Manufacturer Strews ct SulvA Manufacturer Stress General Product Approval SulvA SulvA Manufacturer Stress General Product Approval other SulvA Manufacturer Stress General Product Approval SulvA SulvA Manufacturer Stress General Product Approval SulvA SulvA SulvA	leight	mm	210	210		
Connection type: Design of the electrical connection • for main current circuit screw-type terminals • for auxiliary and control current circuit screw-type terminals • dentification number and letter for switching elements 22 E Functional Safety / Safety of Machinery OPEN SUIVA Suive and setter for switching elements OPEN SUIVA Suive and setter for switching elements	Jepth	mm	206			
Design of the electrical connection screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control current circuit 22 E Identification number and letter for switching elements 22 E Functional Safety / Safety of Machinery Certificates/approvals: General Product Approval Image: Colspan="3">Image: Colspan="3" Image: Colspan="3"<	vistance, to be maintained, to earthed part / sidewards	mm	10			
 for main current circuit for auxiliary and control current circuit denetification number and letter for switching elements 22 E Certificates/approval General Product Approval Functional Safety / Safety of Machinery Certificates/ Softey of Machinery Certificates/ Softey of Machinery Certificates/ Certificates/<	Connection type:					
• for auxiliary and control current circuit screw-type terminals • dentification number and letter for switching elements 22 E Functional Safety / Safety of Machinery Functional Safety / Safety of Machinery SUVA SUVA Manufacturer Other SUVA Manufacturer Manufacturer Other Ertther information:	lesign of the electrical connection					
Identification number and letter for switching elements 22 E Certificates/approvals Functional Safety / Safety of Machinery General Product Approval ROSTEST SUVA Manufacturer Suiva Silva Silva Other Suiva Other	for main current circuit		screw-type terminals			
Certificates/approvals: Functional Safety / Safety of Machinery Test Certificates Seneral Product Approval ROSTEST SUVA Manufacturer Shipping Approval other Imanufacturer Manufacturer Shipping Approval other Imanufacturer Other Further information- and Downloadcenter (Catalogs, Brochures,) Stopping Approval other	 for auxiliary and control current circuit 		screw-type terminals			
General Product Approval Functional Safety / Safety of Machinery Test Certificates Solution of the stream of the stre	Identification number and letter for switching elements			22 E		
Safety of Machinery Image: Constraint of the state of the	Certificates/approvals:					
Image: Color of the	General Product Approval			Safety of	Test Certificates	
Manufacturer other ABS GL				SUVA	Manufacturer	
GL GL Further information: Information- and Downloadcenter (Catalogs, Brochures,)	Shipping Approval other					
Information- and Downloadcenter (Catalogs, Brochures,)	GL	other				
	urther information:					

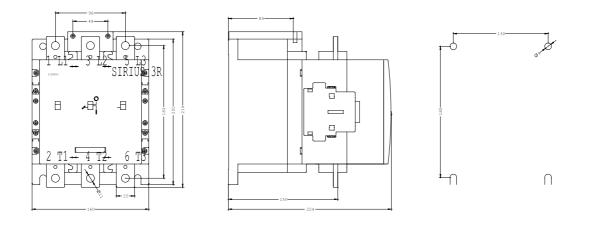
http://www.siemens.com/industrial-controls/mall

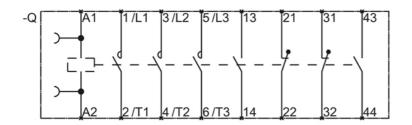
CAx-Online-Generator

http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT1276-6LA06/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1276-6LA06





last change: