



Reference: 3RA1415-8XC31-1AP0

CONTACTOR COMBINATION, STAR-DELTA (PREASSEMBLED) WITH LATERAL TIME RELAY, 3PH, 5.5KW/400V, 3-POLE, SIZE S00,S00,S00, EL. AND MECH. LATCHED IN, SCREW TERMINAL, 230V AC, 50/60HZ

Buy it at Electric Automation Network



General technical data:	
product brand name	SIRIUS
Product designation	contactor assembly
Product function	wye-delta-contactor
Size of contactor	S00, S00, S00
Protection class IP on the front	IP20
Degree of pollution	3
Insulation voltage with degree of pollution 3 rated value	V 690
Installation altitude at height above sea level maximum	m 2 000
Ambient temperature	
during operation	°C -25 +60
during storage	°C -55 +80
during transport	°C -55 +80
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	К
Equipment marking acc. to DIN EN 61346-2	Q
Mechanical service life (switching cycles)	
of the main contacts typical	30 000 000
of auxiliary contacts typical	10 000 000
of the contactor with atd>	10 000 000
Main circuit:	

Number of NC contacts for main contacts Operating voltage at AC-3 rated value maximum V 690 Operating current at AC-3 at 400 V rated value A 12 Operating power at AC-3 at 400 V rated value kW 5.5 at 500 V rated value at 690 V rated value Control vated value Control circuit/ Control: Control variety of the switch operating mechanism Design of the surge suppressor without Type of voltage of the control supply voltage Control supply voltage frequency 1 rated value Hz 50 Control supply voltage frequency 1 rated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz Ac 0.8 1.1 Auxiliary circuit: Product extension Auxiliary switch Ves Number of NC contacts for auxiliary contacts instantaneous contact Lagging switching Number of NO contacts for auxiliary contacts instantaneous contact Leading contact Design of the fuse link for short-circuit protection of the auxiliary switch with type of coordination 1 required with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required with type of assignment 2 required Fuse gL/gG: 20 A	Nl C l C		2
Operating voltage at AC-3 rated value maximum Operating current at AC-3 at 400 V rated value A 12 Operating power at AC-3 at 400 V rated value kW 5.5 at 500 V rated value kW 9.2 Control circuit Control: Control version of the switch operating mechanism Design of the surge suppressor without Type of voltage of the control supply voltage AC Control supply voltage frequency Trated value Hz 50 Control supply voltage frequency Trated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz at DC Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching Operating contact Instantaneous contact 2 leading contact Short-circuit protection of the auxiliary switch fuse gL/gG: 35 A fuse gL/gG: 20 A fuse gL/gG: 20 A	Number of poles for main current circuit		3
Operating current at AC-3 at 400 V rated value Operating power at AC-3 at 400 V rated value kW 5.5 at 500 V rated value kW 9.2 Control circuit/ Control: Control version of the switch operating mechanism Conventional Design of the surge suppressor Without W 50 Control supply voltage of the control supply voltage AC Control supply voltage frequency I rated value Hz 50 Control supply voltage I at AC — at 50 Hz rated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz at DC Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts instantaneous contact Design of the fuse link for short-circuit protection of the auxiliary switch with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required fuse gL/gG: 20 A			
at 400 V rated value		V	690
at 400 V rated value	Operating current at AC-3 at 400 V rated value	Α	12
at 500 V rated value at 690 V rated value kW 9.2 Control circuit/ Control: Control version of the switch operating mechanism Design of the surge suppressor without Type of voltage of the control supply voltage AC Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz at DC Auxiliary circuit: Product extension Auxiliary switch Instantaneous contact I againg switching Number of NC contacts for auxiliary contacts I leading contact Short-circuit: Design of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required with type of assignment 2 required fuse gL/gG: 35 A	Operating power at AC-3		
at AC - at 50 Hz rated value Toperating range factor control supply voltage rated value for any of the sure of NC control supply voltage rated value - at 50 Hz rated value Operating range factor control supply voltage rated value for any of the sure of NC control supply voltage rated value Toperating range factor control supply voltage rated value for magnet coil at AC - at 50 Hz - at 50 Hz	at 400 V rated value	kW	5.5
Control circuit/ Control: Control version of the switch operating mechanism conventional Design of the surge suppressor without Type of voltage of the control supply voltage Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz 1 at AC — at 50 Hz 0.8 1.1 at DC 0.8 1.1 Auxillary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact Design of the fuse link for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	at 500 V rated value	kW	7.2
Control version of the switch operating mechanism Design of the surge suppressor Without Type of voltage of the control supply voltage AC Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz at DC Auxillary circuit: Product extension Auxillary switch Rumber of NC contacts for auxillary contacts instantaneous contact Design of the fuse link for short-circuit protection of the main circuit — with type of assignment 2 required without AC AC AC AC AC AC AC AC AC A	at 690 V rated value	kW	9.2
Design of the surge suppressor Type of voltage of the control supply voltage Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz at DC 0.8 1.1 — at 60 Hz at DC 0.8 1.1 Auxiliary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 20 A fuse gL/gG: 20 A	Control circuit/ Control:		
Type of voltage of the control supply voltage Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value V 230 Operating range factor control supply voltage rated value of magnet coll at AC — at 50 Hz — at 50 Hz — at 50 Hz — at 60 Hz 0.8 1.1 Auxiliary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts leading contact Design of the fuse link for short-circuit protection of the auxillary switch required with type of coordination 1 required fuse gL/gG: 35 A fuse gL/gG: 20 A	Control version of the switch operating mechanism		conventional
Control supply voltage frequency 1 rated value Control supply voltage 1 at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 50 Hz — at 50 Hz — at 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts instantaneous contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch — with type of coordination 1 required — with type of assignment 2 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	Design of the surge suppressor		without
Trated value Control supply voltage 1 at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching O Number of NO contacts for auxiliary contacts instantaneous contact Leading contact Design of the fuse link for short-circuit protection of the auxiliary switch — with type of coordination 1 required — with type of assignment 2 required fuse gL/gG: 30 A	Type of voltage of the control supply voltage		AC
Control supply voltage 1 at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 50 Hz — at 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Product extension Auxiliary switch Number of NC contacts for auxiliary contacts instantaneous contact leading contact Design of the fuse link for short-circuit protection of the auxiliary switch for short-circuit protection of the main circuit — with type of coordination 1 required with type of assignment 2 required v 230 0.8 1.1 0.8 1.1 0.8 1.1 0.8 1.1 0.9 1.1 0	Control supply voltage frequency		
at AC — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 50 Hz — at 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts instantaneous contact leading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	1 rated value	Hz	50
Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Instantaneous contact Instantaneous contact Ieading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch Fuse gL/gG: 35 A Fuse gL/gG: 20 A With type of assignment 2 required V 230 230 241 252 263 275 276 277 278 279 270 270 270 270 270 270 270	Control supply voltage 1		
Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz — at 60 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	at AC		
value of magnet coil at AC - at 50 Hz	— at 50 Hz rated value	V	230
- at 50 Hz - at 60 Hz			
at DC 0.85 1.1 Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	at AC		
at DC Auxiliary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact 5hort-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 20 A fuse gL/gG: 20 A	— at 50 Hz		0.8 1.1
Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	— at 60 Hz		0.85 1.1
Product extension Auxiliary switch Number of NC contacts for auxiliary contacts lagging switching Number of NO contacts for auxiliary contacts instantaneous contact leading contact 2 leading contact O Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	at DC		0.8 1.1
Number of NC contacts for auxiliary contacts lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	Auxiliary circuit:		
lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 2 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	Product extension Auxiliary switch		Yes
Number of NO contacts for auxiliary contacts instantaneous contact leading contact O Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	Number of NC contacts for auxiliary contacts		
instantaneous contact leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit - with type of coordination 1 required fuse gL/gG: 35 A - with type of assignment 2 required fuse gL/gG: 20 A	lagging switching		0
leading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit - with type of coordination 1 required fuse gL/gG: 35 A - with type of assignment 2 required fuse gL/gG: 20 A	Number of NO contacts for auxiliary contacts		
Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	instantaneous contact		2
Design of the fuse link for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required fuse gL/gG: 35 A — with type of assignment 2 required fuse gL/gG: 20 A	leading contact		0
for short-circuit protection of the auxiliary switch required for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required fuse gL/gG: 10 A fuse gL/gG: 35 A — with type of assignment 2 required	Short-circuit:		
for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 20 A	Design of the fuse link		
 with type of coordination 1 required fuse gL/gG: 35 A with type of assignment 2 required fuse gL/gG: 20 A 			fuse gL/gG: 10 A
— with type of assignment 2 required fuse gL/gG: 20 A	for short-circuit protection of the main circuit		
	— with type of coordination 1 required		fuse gL/gG: 35 A
Installation/ mounting/ dimensions:	— with type of assignment 2 required		fuse gL/gG: 20 A
· · · · · · · · · · · · · · · · · · ·	Installation/ mounting/ dimensions:		

Mounting position	with vertical mounting surface \pm -180° rotatable, with vertical mounting surface \pm -30° tiltable to the front and back	
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022	
Witd>	mm 135	
Height	mm 71	
Depth	mm 148	
Required spacing		
with side-by-side mounting at the side	mm 0	
for grounded parts at the side	mm 0	
for live parts		
— at the side	mm 0	
Connections/ Terminals:		
Type of electrical connection for main current circuit	screw-type terminals	
Certificates/ approvals:		
Certificate of suitability	CE / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS	
General Product Approval	Declaration of Shipping Approval	
other		
Umweltbestätigung	Bestätigungen	
Safety related data:		
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)	