

Reference: 3RA1423-8XB20-1AL2

CONTACTOR COMBINATION, STAR-DELTA (FACTORY-ASSEMBLED) WITH FRONT SIDE TIMING RELAY, AC-3 11 KW / 400 V, 3-POLE, SIZE S0, S0, S0, EL. LOCKED, SCREW CONNECTION, 230 V AC, 50/60 HZ,

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	S0, S0, S0
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	10 000 000
of auxiliary contacts typical	10 000 000
of the contactor with atd>	10 000 000
Main circuit:	

Number of NCC contacts for main current circuit Number of NC contacts for main contacts Operating voltage at AC-3 at 400 V rated value Operating power at AC-3 at 400 V rated value kW 11 at 500 V rated value kW 15.6 at 690 V rated value kW 19 Control circuit/ Control: Control version 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 2 rated value Control supply voltage frequency 1 rated value Control supply voltage frequency 1 rated value V 230 — at 50 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz and value Operating range factor control supply voltage rated value of magnet coil at AC — at 60 Hz Auxillary circuit: Product extension Auxillary switch Ves Number of NC contacts for auxillary contacts Instantaneous contact 4 leaging switching Number of NC contacts for auxillary contacts Instantaneous contact 4 leading contact Short-circuit protection of the auxillary switch for short-circuit protection of the main circuit for short-circuit protection of the main circuit			
Operating voltage at AC-3 rated value maximum V 690 Operating current at AC-3 at 400 V rated value A 25 Operating power at AC-3 at 400 V rated value kW 11 at 500 V rated value kW 15.6 at 690 V rated value kW 19 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 AC Control supply voltage frequency 1 rated value Hz 50 2 rated value Hz 60 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 60 Hz rated value Operating range factor control supply voltage rated value of magnet coil at AC — at 60 Hz at AC — at 50 Hz Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz In the Control supply voltage rated value of magnet coil at AC — at 50 Hz Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz O 8 1.1 Auxillary circuit: Product extension Auxillary switch Yes Number of NC contacts for auxillary contacts instantaneous contact 4 lagging switching O Number of NO contacts for auxillary contacts instantaneous contact 4 leading contact 4 leading contact 9 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required	Number of poles for main current circuit		3
Operating current at AC-3 at 400 V rated value	Number of NC contacts for main contacts		0
at 400 V rated value kW 11 at 500 V rated value kW 15.6 at 690 V rated value kW 19 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 AC Control supply voltage frequency 1 rated value Hz 50 2 rated value Hz 60 Control supply voltage 1 at AC — at 50 Hz rated value V 230 Operating range factor control supply voltage rated value for agency at 50 Hz rated value at AC — at 50 Hz rated value V 230 Operating range factor control supply voltage rated value for agency at 50 Hz and 50 Hz rated value for agency at 60 Hz rated value AC — at 50 Hz 70 Hz	Operating voltage at AC-3 rated value maximum	V	690
at 400 V rated value	Operating current at AC-3 at 400 V rated value	А	25
at 500 V rated value	Operating power at AC-3		
at 690 V rated value kW 19 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 AC Control supply voltage frequency 1 rated value Hz 50 Control supply voltage 1 at AC — at 50 Hz rated value V 230 — at 60 Hz rated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz rated value V 230 AC — at 60 Hz act act value V 230 Derating 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 Auxillary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts instantaneous contact 4 lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required	at 400 V rated value	kW	11
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 AC Control supply voltage frequency 1 rated value Hz 50 2 rated value Hz 60 Control supply voltage 1 at AC — at 50 Hz rated value V 230 — at 60 Hz rated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC — at 50 Hz rated value V 30 Derating 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 Auxillary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts instantaneous contact 4 lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required	at 500 V rated value	kW	15.6
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Type of voltage of the control supply voltage Control supply voltage frequency 1 rated value 2 rated value Hz 60 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 50 Hz — at 60 Hz At AC — at 50 Hz — at 60 Hz At AC — at 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts instantaneous contact Instantaneous contact 4 Ieading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required AC Hz 50 AC AC AC AC AC Hz 50 AC AC AC Hz 50 AC AC Hz 60 AC AC AC Hz 60 AC AC AC AC AC AC AC AC AC A	Control version of the switch operating mechanism		conventional
Control supply voltage frequency 1 rated value 2 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 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Instantaneous contact I	Design of the surge suppressor		without
1 rated value	Type of voltage of the control supply voltage		AC
2 rated value 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 50 Hz — at 50 Hz — at 50 Hz — at 60 Hz Auxiliary circuit: Product extension Auxiliary switch Instantaneous contact Iagging switching Number of NC contacts for auxiliary contacts Instantaneous contact Ieading contact Ieading contact Design of the fuse link for short-circuit protection of the auxiliary switch required At AC 4 For Short-circuit protection of the auxiliary switch fuse gL/gG: 10 A	Control supply voltage frequency		
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- at 50 Hz rated value V 230 - at 60 Hz rated value V 230 Operating range factor control supply voltage rated value of magnet coil at AC - at 50 Hz 0.8 1.1 - at 60 Hz 0.85 1.1 at DC 0.8 1.1 Auxiliary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts instantaneous contact 4 lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 4 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required	Control supply voltage 1		
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value of magnet coil at AC — at 50 Hz — at 60 Hz	— at 60 Hz rated value	V	230
— at 50 Hz — at 60 Hz 0.8 1.1 at DC 0.8 1.1 Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts instantaneous contact 4 lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 4 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required 0 1.1 0 0 4 4 1 1 1 1 1 1 1 1 1 1 1			
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at DC 0.8 1.1 Auxiliary circuit: Product extension Auxiliary switch Yes Number of NC contacts for auxiliary contacts instantaneous contact 4 lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	— at 50 Hz		0.8 1.1
Auxiliary circuit: Product extension Auxiliary switch Number of NC contacts for auxiliary contacts instantaneous contact lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 4 leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	— at 60 Hz		0.85 1.1
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Number of NC contacts for auxiliary contacts instantaneous contact lagging switching 0 Number of NO contacts for auxiliary contacts instantaneous contact 4 leading contact 5 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	Auxiliary circuit:		
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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 fuse gL/gG: 10 A	instantaneous contact		4
instantaneous contact leading contact 0 Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	lagging switching		0
leading contact Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	Number of NO contacts for auxiliary contacts		
Short-circuit: Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	instantaneous contact		4
Design of the fuse link for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	leading contact		0
for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A	Short-circuit:		
required Tuse gL/gG: 10 A	Design of the fuse link		
for short-circuit protection of the main circuit			fuse gL/gG: 10 A
	for short-circuit protection of the main circuit		
— with type of coordination 1 required fuse gL/gG: 63 A	— with type of coordination 1 required		fuse gL/gG: 63 A

— with type of assignment 2 required	fuse gL/gG: 25 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 158		
Height	mm 88		
Depth	mm 135		
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 Conformity Shipping Approval		
other			
Umweltbestätigung	Bestätigungen		
Safety related data:			
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		