

Reference: 3RA1444-8XB20-1BB4

CONTACTOR COMBINATION, STAR-DELTA  
(FACTORY-ASSEMBLED) WITH FRONT  
SIDE TIMING RELAY, AC-3 55 KW/400 V,  
3-POLE, SIZE S3, S3, S2, EL. LOCKED,  
SCREW CONNECTION, 24 V DC,

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General technical data:	
product brand name	SIRIUS
Product designation	contactor assembly
Product function	wye-delta-contactor
Size of contactor	S3, S3, S2
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	K
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 poles for main current circuit	3
Number of NC contacts for main contacts	0
Operating voltage at AC-3 rated value maximum	V 690
Operating current at AC-3 at 400 V rated value	A 115
Operating power at AC-3	
at 400 V rated value	kW 55
at 500 V rated value	kW 81
at 690 V rated value	kW 93
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	DC
Control supply voltage 1	
at DC rated value	V 24
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	
lagging switching	0
Number of NO contacts for auxiliary contacts	
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: 250 A
— with type of assignment 2 required	fuse gL/gG: 125 A
Installation/ mounting/ dimensions:	
Mounting position	with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Mounting type	screw fixing
Witd>	mm 218
Height	mm 180

Depth	mm	207
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)