



Accessories




	For contactor Size	For MSP Size	Design	Order No.	List Price \$	Weight approx. kg
Motor starter protector¹⁾						
	–	S00 ... S3	Auxiliary switch transverse	3RV19 01-1D		0.015
	–	S00 ... S3	SPDT contact transverse	3RV19 01-1E		0.018
	–	S00 ... S3	lateral mount	3RV19 01-1A		0.045
	–	S00 ... S3	Undervoltage release AC 60 Hz 480 V	3RV19 02-1AV1		0.129
	–	S00 ... S3	Shunt trip AC 60 Hz 120 V	3RV19 02-1DF0		0.135
	–	S00 ... S3	DC 24 V	3RV19 02-1DB0		0.133
Contactor²⁾						
	S00	–	Aux. switch blocks for snap-on fitting. connection from below 1-pole	3RH19 11-1BA10		0.015
	S00	–	1 NO 1 NC	3RH19 11-1BA01		
	S0 ... S3	–	2-pole 1 NO + 1 NC 2 NO 1 NO + 1 NC 2 NO 2 NC	3RH19 11-1MA11 3RH19 11-1MA20 3RH19 21-1MA11 3RH19 21-1MA20 3RH19 21-1MA02		0.045 0.075
	S00	–	Connection from 2 sides 4-pole	3RH19 11-1FA22		0.060
	S0 ... S3	–	1-pole	3RH19 21-1CA10		0.020
	S0 ... S3	–	4-pole	3RH19 21-1CA01 3RH19 21-1FA22		0.020 0.075
Terminals for "Combination Motor Controller Type E" to UL 508						
			Note: As of July 2001, UL 508 demands for "Combination Motor Controller Type E" 1" air gaps and 2" creepage distances at line-side. The following terminal blocks must be used in S0 and S3 MSP's 3RV10. The S2 MSP 3RV10 conforms with stipulated air gaps and creepage distances without terminal block. Terminal blocks are not required for use according to CSA. With size S0 these terminal blocks cannot be used in combination with 3-phase busbars 3RV19.5. This also applies to size S3 in combination with transverse auxiliary switches.			
			Terminal block type E			
			for extended air/ creepage distance (1" and 2")	S0 S3	3RV19 28-1H 3RT19 46-4GA07	0.12 0.12

1) More MSP accessories in section 1, see pages 1/9 to 1/13.

2) More Contactor accessories in section 2, see pages 2/35 to 2/50.



Accessories

For contactor	Design	Rated control supply voltage U_s 1)	Surge suppressors	List Price \$	Weight approx.
Type				Order No	kg
Surge suppressors without LED					
Size S00					
	3RT1.	Varistor	AC 24 V ... 48 V	3RT19 16-1BB00	0.01
			DC 24 V ... 70 V		
	3RT1.	RC element	AC 48 V ... 127 V	3RT19 16-1BC00	0.01
			DC 70 V ... 150 V		
	3RT1.	Suppression diode	DC 12 V ... 250 V	3RT19 16-1DG00	0.01
	3RT1.	Diode assemblies (diode and Zener diode) for DC operation and short break times	DC 12 V ... 250 V	3RT19 16-1EH00	0.01
Size S0					
	3RT10 2	Varistor	AC 24 V ... 48 V	3RT19 26-1BB00	0.025
			DC 24 V ... 70 V		
	3RT10 2	RC element	AC 48 V ... 127 V	3RT19 26-1BC00	0.025
			DC 70 V ... 150 V		
	3RT10 2	Diode assemblies for DC operation. short break times		3RT19 26-1CB00	0.025
	• can be plugged in at bottom	DC 24 V	3RT19 26-1TR00	0.025	
		DC 30 V ... 250 V	3RT19 26-1TS00		
Sizes S2 and S3					
	3RT10 3. 3RT10 4	Varistor	AC 24 V ... 48 V	3RT19 26-1BB00	0.025
			DC 24 V ... 70 V		
	3RT10 3. 3RT10 4	RC element	AC 48 V ... 127 V	3RT19 26-1BC00	0.025
			DC 70 V ... 150 V		
	3RT10 3. 3RT10 4	Diode assemblies for DC operation. short break times		3RT19 36-1CB00	0.040
	• can be plugged in at bottom	DC 24 V	3RT19 36-1TR00	0.025	
		DC 30 V ... 250 V	3RT19 36-1TS00		

1) Can be used for AC actuation for 50/60 Hz.
Please inquire about further voltages.

Combination Starters & Starters for Group Installation



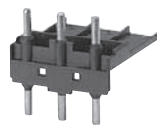




Accessories

Link modules, wiring kits,
mechanical interlocks

SIRIUS







Accessories

	For contactor Size	For MSP Size	Design		Order No.	List Price \$	Weight approx. kg	Pack
Link module								
3RA19 11-1A			Electrical and mechanical link between MSP and contactor.					
								
3RA19 21-1A			Individually packaged	Actuating voltage, contactor				
				units				
	S00	S00	AC and DC	1	3RA19 11-1AA00		0.03	
	S00	S0		1	3RA19 21-1DA00		0.03	
	S0	S0	AC	1	3RA19 21-1AA00		0.04	
	S2	S2		1	3RA19 31-1AA00		0.05	
	S3	S3		1	3RA19 41-1AA00		0.08	
	S0	S0	DC	1	3RA19 21-1BA00		0.04	
	S2	S2		1	3RA19 31-1BA00		0.05	
	S3	S3		1	3RA19 41-1BA00		0.08	
3RA19 31-1A								
								
Wiring kit								
3RA19 13-2A			Reversing duty Electrical and mechanical link for reversing contactors. Can be fitted together with link module. For size S00: Optionally with integrated electrical and mechanical locking. For sizes S0 to S3: Mechanical locking device must be ordered separately.					
	S00	—			3RA19 13-2A		0.04	
	S0	—			3RA19 23-2A		0.06	
	S2	—			3RA19 33-2A		0.12	
	S3	—			3RA19 43-2A		0.30	
	S00	—	Wye-delta starting Electrical and mechanical link for three contactors of same size		3RA19 13-2B		0.05	
	S0	—			3RA19 23-2B		0.06	
	S2	—			3RA19 33-2B		0.07	
	S3	—			3RA19 43-2B		0.16	
Mechanical interlocks								
3RA 19 24-2B			For reversing contactors, laterally fit-table with 1 auxiliary contact (1 NC) each per contactor. Cannot be used for size S0 3RT11 contactors for fitting weld-free Combination Starters					
	S0, S2, S3	—			3RA19 24-2B		0.04	
Terminals for contactor coil								
3RA19 23-3B			for A1 and A2 of reversing contactors (includes 2 x A1 and 1 x A2)					
	S0, S2, S3	—			3RA19 23-3B		0.02	



Accessories

	For contactors Size	For MSP Size	Design	Order No.	List Price \$	Weight approx. kg	Standard Package Quantity
Adapter for rail mounting							
	Individually packaged		For mechanical fixing of MSP and contactor. Suitable for snap-on fitting on standard mounting rail or for screw fitting	3RA19 22-1AA00 3RA19 32-1AA00 3RA19 42-1AA00		0.12 0.20 0.25	
	S00, S0	S00, S0					
	S2	S2					
	S3	S3					
Side module							
	S00 ... S3	S00 ... S3	For adapter for rail mounting 10 mm wide, 96 mm long, for widening adapters for rail mounting. For size S00 to S2: 2 units required. For size S3: 3 units required	3RA19 02-1B		0.08	
Assembly kit (RH) for reversing duty for mounting rails							
	S0	S0	Also suitable for screw fitting. Consisting of wiring kit, side modules and adapters for rail mounting. Link modules to be ordered separately. Mechanical locking device to be ordered separately.	3RA19 23-1B 3RA19 33-1B 3RA19 43-1B 3RA19 23-1E		0.29 0.56 0.81 0.29	
	S2	S2					
	S3	S3					
	S0	S0					
			Special version for weld-free				
Accessories, adapter and link module for Cage Clamp connection							
	3RA19 11-2A + 8US10 51-5CM47	S00	Link module, Cage Clamp electrical link between MSP and contactor	3RA19 11-2A		0.12	10
	3RA19 11-2E	S00	Link module, Cage Clamp with mechanical link mechanical and electrical link between MSP and contactor	3RA19 11-2E		0.03	10
		45 mm wide	Adapter for rail mounting f. Cage Clamp with 2 standard mounting rails, one of them moving	3RA19 22-1L		0.26	5
		60 mm system	Busbar adapter 45 mm wide, 182 mm long adapted for Cage Clamp MSP. If there is an additional contactor, a further standard mounting rail must be fitted.	8US12 51-5CM47		0.17	
				Standard mounting rail 35 mm, plastic including fixing screws	8US19 98-7CA15		0.09

Combination Starters & Starters for Group Installation





Accessories

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Mounting kits for Fast Bus





Accessories

	For contactor Size	For MSP Size	Design	Order No.	List Price \$	Weight approx. kg	Standard Package Quantity
Plug-in lugs for screw fitting							
3RB19 00-0B 	—	S00, S0	For 3RV1 MSPs 2 units each required, for 3RA1 fuseless load feeder 1 unit each required, for AS interface support 2 units each required	3RB19 00-0B		0.01	10
Busbar adapter							
8US12 51-5DM07 	S00, S0	S00, S0	45 mm wide, 182 mm long for busbars with centre-line spacing 60 mm	8US12 51-5DM07		0.18	
	S2	S2	55 mm wide, 242 mm long including screw and spacer 60 mm	8US12 61-5FP08		0.292	
Controlgear support							
8US12 50-5AM00 	S00, S0	S00, S0	with mounting rail without connecting cables, width 45 mm, length 182 mm for busbars with centre-line spacing 60 mm	8US12 50-5AM00		0.158	
	S0	S0	55 mm wide, 182 mm long 60 mm	8US12 60-5AM00		0.202	
	S2	S2	55 mm wide, 242 mm long including screw and spacer without mounting rail 60 mm	8US12 60-5AP00		0.243	
Side module							
8US19 98-2BM00 	—	—	Including link wedge, for widening busbar adapters or controlgear supports 13.5 mm wide, 182 mm long	8US19 98-2BM00			
Assembly kit for reversing duty for 60 mm busbar systems							
	S00 S0 S2	S00, S0 S0 S2	Consisting of wiring kit, busbar adapter, controlgear support and side mod- ules. Link modules and mechanical locking devices to be ordered separately. For size S00 mechanical locking is included. For busbars with center-line spacing 60 mm see page 4/66 for details.	3RA19 13-1D 3RA19 23-1D 3RA19 33-1D		0.431 0.475 0.743	

For further busbar adapters and accessories for busbar systems, see 8US busbar adapter system.



Accessories

	For contactor	For Motor starter protector	Design	Order No.	List Price \$	Weight approx. kg	Standard Package Quantity
	Size	Size					
Link wedge							
8US19 98-1AA00 	–	–	For mechanical linkage of busbar adapters and controlgear supports or of mounting rail adapters (2 required for mounting)	8US19 98-1AA00		0.20	100
Load-side terminal strip, separable							
8US12 51-5DM07 with 8US19 98-8AM07 	S00, S0	S00, S0	Light grey with support for fitting to busbar adapter with 45 mm width. 45 mm wide, 91 mm long 3 x 14 AWG clamp-type terminals, 400 V 4 x 16 AWG clamp-type terminals, 250 V	8US19 98-8AM07		0.09	
	S00, S0	S00, S0	7 x 14 AWG clamp-type terminals, 400 V	8US19 98-8AA10		0.072	
Spacer							
	8US19 98-1BA00	S00, S0	Fixes the branch on the busbar adapter	8US19 98-1BA00			100
Screw holder							
	8US19 98-1CA00	S00, S0	Allows additional fixing of the branch with screws	8US19 98-1CA00		0.20	20

For further busbar adapters and accessories for busbar systems, see 8US busbar adapter system.