

3RV1 Motor Starter Protectors

Auxiliaries and Accessories

SIRIUS



Selection and ordering data

Type	Design	For SIRIUS MSP Frame Size	Screw connection Order No.	List Price \$	Weight approx. kg	
Auxiliary switches ¹⁾						
 3RV19 01-1E 3RV1901-1G 3RV1901-0H 3RV1901-1A	Transverse auxiliary switch ²⁾	SPDT contact 1 NO + 1 NC 2 NO	S00, S0, S2, S3	3RV19 01-1D 20.00 3RV19 01-1E 24.00 3RV19 01-1F 24.00	0.02	
	with screw connection					
 3RV1901-1G 3RV1901-0H 3RV1901-1A	Solid-state compatible, transverse auxiliary switch ²⁾	SPDT contact	S00, S0, S2, S3	3RV19 01-1G 75.00	0.02	
	with screw connection for use in dusty atmosphere and in electronic circuits with low operating currents					
 3RV1901-0H 3RV1901-1A	Covering caps for transverse auxiliary switches		S00, S0, S2, S3	3RV19 01-0H 5.00 ea. Standard package quantity=10		
 3RV1901-1A 3RV1901-1B 3RV1901-1C 3RV1901-1J	Lateral auxiliary switches	1 NO + 1 NC 2 NO 2 NC 2 NO + 2 NC	S00, S0, S2, S3	3RV19 01-1A 24.00 3RV19 01-1B 24.00 3RV19 01-1C 24.00 3RV19 01-1J 24.00	0.03 0.06	
	with screw connection (Side Mount)					
Signalling switch ³⁾						
 3RV19 21-1M	Signalling switch (Side Mount)	Individual tripped and short-circuit signaling, 1 NO + 1 NC each	S0, S2, S3	3RV19 21-1M 40.00	0.07	
Auxiliary releases ⁴⁾						
 3RV19 02-1DP0 3RV19 12-1CP0	Undervoltage release (Side Mount)	DC	24 V	S00, S0, S2, S3	3RV19 02-1AB4 179.00	0.12
		AC 50 Hz	20-24 V 90-110 V — 210-230 V 400 V 350-415 V 500 V	120 V 208 V 240 V — 480 V —	S00, S0, S2, S3	3RV19 02-1AB0 62.00 3RV19 02-1AF0 62.00 3RV19 02-1AM1 62.00 3RV19 02-1AP0 62.00 3RV19 02-1AV0 62.00 3RV19 02-1AV1 62.00 3RV19 02-1AS0 62.00
 3RV19 12-1CP0 3RV19 22-1CP0	Undervoltage release with leading auxiliary contacts 2 NO (Side Mount)	AC 50/60 Hz	230 V 400 V 415 V	S00	3RV19 12-1CP0 78.00 3RV19 12-1CV0 78.00 3RV19 12-1CV1 78.00	0.11
		AC 50/60 Hz	230 V 400 V 415 V	240 V — 480 V	S0, S2, S3	3RV19 22-1CP0 78.00 3RV19 22-1CV0 78.00 3RV19 22-1CV1 78.00
 3RV19 02-1DB0 3RV19 02-1DF0 3RV19 02-1DP0 3RV19 02-1DV0 3RV19 02-1DS0	Shunt release (Side Mount)	AC 50/60 Hz	20- 24 V 90-110 V 200-240 V 350-415 V 500 V	S00, S0, S2, S3	3RV19 02-1DB0 62.00 3RV19 02-1DF0 62.00 3RV19 02-1DP0 62.00 3RV19 02-1DV0 62.00 3RV19 02-1DS0 62.00	0.11
		AC 50/60 Hz	20- 24 V 90-110 V 200-240 V 350-415 V 500 V	20- 70 V 70-190 V 190-330 V 330-500 V 500 V	S00, S0, S2, S3	

Terminals for "Combination Motor Controller Type E" to UL 508


 3RV19 28-1H 3RT19 46-4GA07	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	3RV19 28-1H 15.00	0.12
		S3	3RT19 46-4GA07 15.00	0.12

- Each MSP can be fitted with one transverse and one lateral auxiliary switch. The lateral auxiliary switch with 2 NO + 2 NC is used without transverse auxiliary switch.
- Compatible with the following MSP's:
 3RV1. 1 (size S00) as of version E01
 3RV1. 2 (size S0) as of version E04
 3RV1. 3 (size S2) as of version E04
 3RV1. 4 (size S3) as of version E04.


- One signalling switch can be mounted at the left of each MSP.
- One auxiliary release can be mounted at the right side of each MSP.
- The response voltage at the lower limit of the voltage range at 0.85 (Tu = 60 °C) is valid for 100 % (infinite) duty cycle only at AC 50/60 Hz.
- The response voltage at the lower limit of the voltage range at 0.9 (Tu = 60 °C) applies for a duty cycle of 5 seconds at AC 50/60 Hz and DC.




Selection and ordering data

Type	Design	For SIRIUS MSP size	Order No.	List Price \$	Weight approx. kg
Door-coupling rotary operating mechanisms					
3RV19 26-0B 	The door-coupling rotary operating mechanisms consist of a knob, a coupling driver and an extension shaft of 330 mm length (6 mm x 6 mm). The door-coupling rotary operating mechanisms are designed for degree of protection IP 65. The door locking device prevents accidental opening of the cubicle door in the ON position of the MSP. The OFF position can be locked with up to 3 padlocks.	S0, S2, S3	3RV19 26-0B	98.00	0.1
			3RV19 26-0K	116.00	0.3
	EMERGENCY STOP door-coupling rotary operating mech., red/yellow	Extension shaft 130 mm Extension shaft 330 mm with supporting bracket	3RV19 26-0C	98.00	0.1
			3RV19 26-0L	116.00	0.3

Door-coupling rotary operating mechanisms for heavy duty conditions



3RV19 26-2C 	The door-coupling rotary operating mechanisms consist of a knob, a coupling driver, an extension shaft of 300 mm length (6 mm x 6 mm), a spacer and two metal brackets, into which the MSP is inserted. The door-coupling rotary operating mechanisms are designed for degree of protection IP 65. The door locking device reliably prevents accidental opening of the cubicle door in the ON position of the MSP. The OFF position can be locked with up to 3 padlocks. Auxiliary releases for lateral mounting and 2-pole auxiliary switches can be used. The door-coupling rotary operating mechanism thus conforms with isolator characteristics to IEC 60 947-2.	S0, S2, S3	3RV19 26-2B	218.00	1.0
			3RV19 36-2B	236.00	1.1
	EMERGENCY STOP door-coupling rotary operating mech., red/yellow	S0, S2, S3	3RV19 46-2B	257.00	1.6
			3RV19 26-2C	238.00	1.0
			3RV19 36-2C	256.00	1.1
			3RV19 46-2C	277.00	1.6

Remote-controlled motor-driven mechanisms

3RV19 26-0K 	Remote-controlled motorized operating mechanism	AC 50/60 Hz, 230 V	S2	3RV19 36-3AP0	380.00	2.8
		DC 24 V		3RV19 36-3AB4	380.00	
		AC 50/60 Hz, 230 V	S3	3RV19 46-3AP0	515.00	2.9
		DC 24 V		3RV19 46-3AB4	515.00	

Mounting accessories

Selection and ordering data

Type	Design	For circuit- breaker size	Order No.	List Price \$	Weight approx. kg	
Covers						
3RV1 (size S3) with 3RT19 46-4EA1 	Terminal cover for box terminals	Additional touch guard to be fitted at the box terminals (2 units can be mounted per MSP)	S2	3RT19 36-4EA2	7.00	0.01
			S3	3RT19 46-4EA2	9.00	
	Terminal cover for cable lug and bar connection	For maintaining the required voltage clearance and as protection against the equipment being touched if distant box terminals are used (2 units can be mounted per MSP)	S3	3RT19 46-4EA1	14.00	0.03
3RV19 08-0P 	Scale cover sealable	For covering the current setting scale. Packing unit: Bag with 10 scale covers (Order No. and price per bag)	S00, S0, S2, S3	3RV19 08-0P	2.00 ea. Standard package quantity=10	

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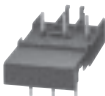
Accessories

SIRIUS



Mounting accessories

Selection and ordering data

Type	Design	For SIRIUS MSP size	Order No.	List Price \$	Standard Package Quantity	Weight approx. kg	
Mounting accessories							
	Push-in lugs	For screwing the MSP onto mounting plates. 2 units required per MSP.	S00, S0	3RB19 00-0B	1.00 ea.	10	
							0.01
Solder pin connection							
	for main contacts	For soldering the main conductor connections of a MSP to a printed-circuit board. (Quantity 4 = 8 parts for 4 MSP's)	S00	3RV19 18-5A	7.00 ea.	4	
	for main and auxiliary contacts	For soldering the main conductor connections and the auxiliary conductor connections of the transverse auxiliary switch (1 NO + 1 NC) of a MSP to a printed-circuit board. (Quantity 4 = 8 parts for main conductor connection + 4 parts for auxiliary conductor connection for 4 MSP's)	S00	3RV19 18-5B	9.50 ea.	4	
						0.19	
Isolator module							
	Isolator module	Visible isolating distance for isolating individual MSP from the network, lockable in isolating position	S0	3RV19 28-1A	65.00	0.15	
			S2	3RV19 38-1A	120.00	0.29	
Auxiliary terminal, 3-pole							
		For connection of auxiliary and control cables to the main conductor connections	S3	3RT19 46-4F	15.00	0.10	
Link modules							
	Link module for mechanical fixing and electrical contacting between contactor and MSP		Contactor	MSP			
		AC and DC	S00	S00	3RA19 11-1AA00	10.00	0.03
		AC and DC	S00	S0	3RA19 21-1DA00	14.00	0.03
		AC	S0	S0	3RA19 21-1AA00	15.00	0.04
		AC	S2	S2	3RA19 31-1AA00	30.00	0.05
		AC	S3	S3	3RA19 41-1AA00	40.00	0.08
		DC	S0	S0	3RA19 21-1BA00	15.00	0.04
		DC	S2	S2	3RA19 31-1BA00	35.00	0.05
		DC	S3	S3	3RA19 41-1BA00	40.00	0.08
		