

3RV Motor Starter Protectors Accessories

Auxiliaries and Accessories

	-				W		Classic		Innovations
		Туре		Version	i d t h	Fits 3RV1 Frame Size	Screw Connection Order No.	Fits 3RV2 Frame Size	Screw Connection Order No.
Auxiliary swi	tches ³⁾				mm		Classic	1	nnovations
3RV1901-1E	3RV2901-1E	Transverse auxi switches	liary	1 CO 1 NO + 1 NC 2 NO		S00, S0, S2, S3	3RV1901-1D ¹⁾ 3RV1901-1E 3RV1901-1F	S00, S0	3RV2901-1D 1), 2) 3RV2901-1E 1) 3RV2901-1F
3RV1901-1G 3RV1901-1A	3RV2901-1G 3RV2901-1A	Solid-state com transverse auxil switches for us and in electronic low operating cur	patible, liary e in dusty at circuits with rents	1 CO mosphere		S00, S0, S2, S3	3RV1901-1G	S00, S0	3RV2901-1G
0		Covering caps f auxiliary switch	or transvers slots (pack o	se of 10)		S00, S0, S2, S3	3RV1901-0H	S00, S0	3RV2901-0H
A.		Lateral auxiliary switches (side mount) Width = 9 mm	,	1 NO + 1 NC 2 NO 2 NC 2 NO + 2 NC	9 9 9 18	S00, S0, S2, S3	 3RV1901-1A 3RV1901-1B 3RV1901-1C 3RV1901-1J 	S00, S0	1), 2) 3RV2901-1A 1) 3RV2901-1B 1) 3RV2901-1C 3RV2901-1J
Signaling sw	itch ⁴⁾						Classic	1	nnovations
3RV1921-1M	3RV2921-1M	Signaling switch (side mount) Individual tripped short-circuit signa Width = 18 mm	and Iling	1 NO + 1 NC each	18	S0, S2, S3	3RV1921-1M	S00, S0	1), 2) 3RV2921-1M
1									
Auxiliary rele	ases ⁹	Undervoltage	DC				Classic		nnovations
3RV1902-1AB4	3RV2902-1AB4	releases (side mount)	24 V			S00, S0, S2, S3	3RV1902-1AB4	S00, S0	3RV2902-1AB4
0	J.R.	Width = 18 mm	AC 50 Hz 20-24 V 90-110 V 210-230 V 400 V 350-415 V 500 V	AC 60 Hz 		S00, S0, S2, S3	3RV1902-1AB0 3RV1902-1AF0 3RV1902-1AM1 3RV1902-1AP0 3RV1902-1AV0 3RV1902-1AV1 3RV1902-1AS0	S00, S0	3RV2902-1AB0 3RV2902-1AF0 1), 2) 3RV2902-1AM1 1), 2) 3RV2902-1AP0 3RV2902-1AV0 3RV2902-1AV1 3RV2902-1AS0
		Undervoltage releases with leading	230 V 400 V 415 V	240 V 440 V 480 V		S00	3RV1912-1CP0 3RV1912-1CV0 3RV1912-1CV1	S00, S0	1) 3RV2922-1CP0 1) 3RV2922-1CV0 1), 2) 3RV2922-1CV1
		auxiliary contacts 2 NO (side mount) Width = 18 mm	230 V 400 V 415 V	240 V 440 V 480 V		S0, S2, S3	3RV1922-1CP0 3RV1922-1CV0 3RV1922-1CV1	S00, S0	1) 3RV2922-1CP0 1) 3RV2922-1CV0 1), 2) 3RV2922-1CV1
		Shunt releases (side mount) Width = 18 mm	AC 50/60 I 100% ON ⁶ 20-24 V 90-110 V 210-240 V 350-415 V 500 V	Hz AC 50/60 F 5 sec ON ⁷⁰ 20-70 V 70-190 V 190-330 V 330-500 V 500 V	łz	S00, S0, S2, S3	3RV1902-1DB0 3RV1902-1DF0 3RV1902-1DF0 3RV1902-1DV0 3RV1902-1DS0	S00, S0	1). 2) 3RV2902-1DB0 1). 2) 3RV2902-1DF0 1) 3RV2902-1DF0 3RV2902-1DF0 3RV2902-1DS0

- This product is also available with spring terminals. The order no. must be changed in the 8th position to a "2":e.g. 3RV1901-2E
- This product is also available with ring lug terminals. The order no. must be changed in the 8th position to a "4": e.g. 3RV2901-4E
- 3) Each motor starter protector can be fitted with one transverse and one lateral auxiliary switch. The lateral auxiliary switch 2 NO + 2 NC is used without transverse auxiliary switch.
- One signaling switch can be mounted at the left of the motor starter protector.

5) One auxiliary release can be mounted at the right of each MSP. motor starter protector.

6) The response voltage at the lower limit of the voltage range at 0.85 (Tu=60°C) is valid for 100% (infinite)

7) 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.

3RV Motor Starter Protectors

Accessories

Accessories for Busbar



Selection and or	dering	data							
	Modu- lar spac-	Numbe protecto connec	r of motor ors that c ted	r starter an be	Rated current In at	For motor starter protectors	Order No.	Order quantity	Weight approx.
	ing	Without lateral acces- sories	Incl. lateral auxil- iary switch	With auxil- iary trip unit	690 V	Size			
	mm				A				kg
Three-phase bus	bar sys	tems for	Classi	c and In	novatio	ns			
	termin rails, ir	als, moun nsulated,	ted side- with touc	r starter p by-side o h protecti	n standa on.	rd mounting			
SRV19 15-1AB	45	2 3 4 5			63	S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾	3RV19 15-1AB 3RV19 15-1BB 3RV19 15-1CB 3RV19 15-1CB 3RV19 15-1DB	1 un 1 un 1 un 1 un	it 0.044 it 0.071 it 0.099 it 0.124
3RV19 15-1BB	55		2 3 4 5		63	S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾	3RV19 15-2AB 3RV19 15-2BB 3RV19 15-2CB 3RV19 15-2CB 3RV19 15-2DB	1 un 1 un 1 un 1 un 1 un	it 0.048 it 0.079 it 0.111 it 0.140
3RV19 15-1CB	63			2 4	63	S00, S0 ¹⁾²⁾ S00, S0 ¹⁾²⁾	3RV19 15-3AB 3RV19 15-3CB	1 un 1 un	it 0.052 it 0.120
HARALLAND.	55	2 3 4			108	S2 ³⁾ S2 ³⁾ S2 ³⁾	3RV19 35-1A 3RV19 35-1B 3RV19 35-1C	1 un 1 un 1 un	it 0.150 it 0.214 it 0.295
3RV19 15-1DB	75		2 3 4	2 3 4	108	S2 S2 S2	3RV19 35-3A 3RV19 35-3B 3RV19 35-3C	1 un 1 un 1 un	it 0.161 it 0.262 it 0.369
 Not suitable for 3R function. The 3RV1 motor starter protect 	/11 moto 915-5DB ctors from	r starter p connecti n size S0	protectors ng piece to size S(with over is availab)0.	load rela le for coi	y 2 nnecting 3	Not suitable for 3RV UL 489 circuit Auxiliary trip units and lateral auxilianation.	oreakers. ary switches canno	t be used in combi-
	Versior	ו		Modespace	ular ing	For motor starter protectors Size	Order No.	Order quantity	Weight approx.

		mm					kg
Connecting piec	es for three-pl	nase busbars			For Classic and Innovations		
3RV19 15-5DB	For connectin busbars for m protectors of s size S00 (righ	g three-phase 45 lotor starter size S0 (left) to t)	:	S00, S0	3RV19 15-5DB	1 unit	0.042
	Conductor cro AWG cables,	oss-section, solid or stranded	Tiahten-	For motor starter	3RV1	3RV2	
	For 3RV1 MSP	For 3RV2 MSP	ing torque	protector size	Classic ¹⁾	Innovations ²⁾	
	AWG	AWG	Nm		Order No.	Order No.	
Three-phase fee	eder terminals						
3RV19 25-5AB	Connection	from top					
	124	104	34	S00	3RV1915-5A	3RV2925-5AB	
	124	104	34	SO	3RV1925-5AB	3RV2925-5AB	
3RV29 25-5AB	Connection	from below ³⁾					
000	124	104	Input: 4, Output:	S00, S0	3RV1915-5B	3RV2915-5B	
3RV19 15-5B	Connection	from top	2 2.0				
000	140		4	S2	3RV1935-5A	-	
Three-phase fee	eder terminals	for constructin	g "Type E	E Starters"	Classic	Innovations	
	Connection	from top					
	_	104	3-4	S00	-	3RV2925-5EB	
	104	104	3-4	S0	3RV1925-5EB	3RV2925-5EB	
	80	_	4.5-6	S2	3RV1935-5E	-	

1) Do not mix 3RV1 Classic Accessories with 3RV2 Innovations MSP's 2) Do not mix 3RV2 Innovations Accessories with 3RV1 Classic MSP's 3) This terminal is connected in place of a switch, please take the space requirement into account.



Overview

Accessories for "Self-Protected Combination Motor Controllers (Type E)" according to UL 508

Most 3RV motor starter protectors are approved according to UL 508 as "Self-Protected Combination Motor Controllers (Type E)".

This requires increased clearance and creepage distances (1 inch and 2 inches respectively) at the input side of the device, which are achieved by mounting terminal blocks. The Type E terminal block is simply screwed onto the basic unit.

Another way to obtain the increased clearance and creepage distances for Type E is to mount the 3RV29 28-1K phase barriers. Special three-phase feeder terminals are required for constructing "Type E Starters" with an insulated three-phase busbar system (see "Busbar Accessories").

Note:

According to CSA, the terminal blocks and the phase barriers can be omitted when the device is used as a "Self-Protected Combination Motor Controller" (Type E).



3RV19 28-1H terminal block

Link modules

Starters can be easily assembled from single devices with the help of the link modules. The following table shows the various possible combinations for devices with screw connection or spring-type terminals.

	3RV	3RT contactor;	Link Modules	
Combination device	motor starter protector Size	3RW30/40 soft starters; 3RF34 solid-state contactors Size	Screw terminals	Spring-type terminals
Link modules for connecting swite	hing devices to 3	3RV motor starter protectors ¹⁾		
3RT2 contactors with AC or DC coil	S00	S00	00040.04 40400	3RA29 11- 2AA00
	S0	S00	3RA19 21- 1DA00	—
3RT contactors with AC coil	modules for connecting switching devices to contactors with AC or DC coil \$00 S0 \$00 contactors with AC coil \$00 S0 \$00 contactors with AC coil \$00 \$0 \$00 \$0 \$00 \$0 \$00 \$0 \$2 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2 \$3 \$3 /30 soft starters \$00	SO	20400.01.14400	—
	S0	SO	3RA29 21-1AA00	3RA29 21-2AA00
	S2	S2	3RA19 31-1AA00	-
	S3	S3	3RA19 41-1AA00	—
3RT contactors with DC coil	S00	SO	20400.01 40400	—
	S0	SO	3RA29 21-10A00	3RA29 21-2AA00
	S2	S2	3RA19 31-1BA00	—
	S3	S3	3RA19 41-1BA00	—
3RW30 soft starters	S00	S00	38420 21-18400	3RA29 11-2GA00
	S0	S00	3NA29 21-10A00	—
3RW30/3RW40 soft starters	S00	SO	20420 21 10400	—
	SO	SO	3HA29 21-10A00	3RA29 21-2GA00
3RF34 solid-state contactors	S00\S0	S00	3RA29 21-1BA00	-
Hybrid link modules for connecting 3RV2 motor starter protectors with	g contactors with n screw connecti	n spring-type terminals to on ¹⁾		
3RT2 contactors with AC or DC coil	S00	S00	3RA29 11-2FA00	-
	SO	SO	3RA29 21-2FA00	_

1) Link modules and hybrid link modules cannot be used for 3RV2. 21-4PA1., 3RV2. 21-4FA1., 3RV27 and 3RV28 motor starter protectors.

3RV Motor Starter Protectors

Accessories

Mounting accessories



Selection and ordering data

	Version		For motor starter protector size	Innovations 3RV2/3RT2 Order No.	Classic 3RV1/3RT1 Order No.	Order Quantity
Terminal blocks and phase	e barriers for "Self-	Protected C	ombination			
Motor Controllers (Type E)	" according to UL	508				
	Note: <i>UL 508 demands 1-in</i> The following terminal The terminal blocks or <i>For construction with t</i>	ch clearance an blocks or phase phase barriers three-phase bus	d 2-inch creepage distance e barriers must be used on cannot be used in combine sbars, see "Accessories for	e at line side for "Combin 3RV motor starter protec ation with the 3RV19 .5 th busbar"	ation Motor Controller tors. nree-phase busbars.	Туре Е".
3RV29 28-1H	Terminal blocks type	E				
	For extended clearance	e and	S00, S0	3RV29 28-1H	_	1 unit
	creepage distances		SO	-	3RV19 28-1H	1 unit
			S3	—	3RT19 46-4GA07	1 unit
	Phase barriers					
3RV29 28-1K	For extended clearanc creepage distances (1 and 2 inch)	e and	S00, S0	3RV29 28-1K	_	
2000						_
	Actuating	Size	3RV motor	Innovations	Classic	
	voltage of	3RT	starter	3RV2/3RT2	3RV1/3RT1	Order
3RV 19 28-1H	Contactor	contactor	protector	Order No.	Order No.	Quantity
Link modules for motor st	arter protector to c	contactor ¹⁾				
	For mechanical and ele motor starter protector terminals.	ectrical connect r and contactor	tion between with screw	Screw Terminals		
	Single-unit packagir	ng				
	AC/DC	S00	S00/S0	3RA19 21-1DA00	_	1 unit
Lat. 1 and b	AC	SO	S00/S0	3RA29 21-1AA00	—	1 unit
	AC	S2	S2	-	3RA19 31-1AA00	1 unit
	AC	S3	S3	—	3RA19 41-1AA00	1 unit
	DC	S0	S00/S0	3RA29 21-1BA00		1 unit
	DC	S2	S2	-	3RA19 31-1BA00	1 unit
	DU Multi unit pookoging	53	53	_	3RA19 41-1BA00	i unit
3RA29 21-1AA00		9	S00/S0	2PA10 21-1D		10 unite
	AC/DC	300 S0	S00/S0	3RA19 21-10		10 units
		S0	S00/S0	3BA29 21-1B		10 units
	For mechanical and eleprotector and contactor	ectrical connect or with spring-ty	tion between motor starter pe terminals.	Spring-type Termi	nals	
	AC/DC	S00	S00	3RA29 11-2AA00	_	1 unit
	AC ²⁾	SO	SO	3RA29 21-2AA00	_	1 unit
	DC	SO	SO	3RA29 21-2AA00		1 unit
NNN	Multi-unit packaging	1				
22420 11 24400	AC/DC	S00	S00	3RA29 11-2A	_	10 units
SHAZY I I-ZAAUU	AC ²⁾	SO	SO	3RA29 21-2A	-	10 units
	DC	S0	SO	3RA29 21-2A	_	10 units

DC	S0	S0	3RA29 21-2A	_	10 units
Spacers					
For compensating heig	ght on AC	contactors			
Single-unit packaging	S0	S0	3RA29 11-1CA00	-	1 unit
Multi-unit packaging	S0	S0	3RA29 11-1C	_	5 units

1) The link modules for motor starter protector to contactor cannot be used for the 3RV2. 21-4PA1., 3RV2. 21-4FA1., 3RV27 and 3RV28 motor starter protectors

2) A spacer for height compensation on AC contactors size S0 is optionally available

Note

Size S0 link modules can be used up to max. 32 A.



3RV Motor Starter Protectors Accessories

Mounting accessories

Selection and ordering data

	Size 3RW30, 3RW40 soft starters; 3RF34 solid-state contactors	3RV2 motor starter protectors	Order No.	PU (UNIT, SET, M)	PS*	Weight approx. kg
Link modules for mot motor starter protecto	or starter protector to so or to solid-state contacto	oft starter ¹⁾ and or				
Mulu	Connection between motor s starter / solid-state contactor	starter protector and soft r with screw terminals	Screw terminals			
	Single-unit packaging					
	S00 S0	S00/S0 S00/S0	3RA29 21-1BA00 3RA29 21-1BA00	1 1	1 unit 1 unit	0.001 0.001
	Multi-unit packaging					
	S00	S00/S0	3RA29 21-1B	1	10 units	0.001
3RA29 21-1BA00	SO	S00/S0	3RA29 21-1B	1	10 units	0.001
14777	Connection between motor s soft starter with spring-type t	starter protector and terminals	Spring-type terminals			
	Single-unit packaging					
	S00	S00	3RA29 11-2GA00	1	1 unit	0.038
	SO	SO	3RA29 21-2GA00	1	1 unit	0.072
1 1 2	Multi-unit packaging					
	S00	S00	3RA29 11-2G	1	10 units	0.380
3RA29 21-2GA00	00	00	JIIA23 21-20	1	io units	0.720

 The link modules for motor starter protector to soft starter and for motor starter protector to solid-state contactor cannot be used for the 3RV2. 21-4PA1., 3RV2. 21-4FA1., 3RV27 and 3RV28 motor starter protectors.

<u>Note:</u>

Link modules can be used up to max. 32 A.

	Actuating voltage of contactor	Size 3RT2 contactors	3RV2 motor starter protectors	Order No.	PU (UNIT, SET, M)	PS*	Weight approx.
							kg
Hybrid link modules f	or motor starter protected	or to conta	actor ¹⁾				
<u>il de la </u>	For mechanical and electrical between motor starter protect and contactor with spring-type Single unit packaging	al connection ctor with scre pe terminals	n ew terminals ;				
HI	AC/DC AC ²)/DC	S00 S0	S00 S0	3RA29 11-2FA00 3RA29 21-2FA00	1 1	1 unit 1 unit	0.029 0.056
3RA29 11-2FA00							
ANI	Multi-unit packaging AC/DC AC ²⁾ /DC	S00 S0	S00 S0	3RA29 11-2F 3RA29 21-2F	1 1	10 units 10 units	0.290 0.560
aller 1 S	Spacers²⁾ for compensating the height	on AC conta	actors				
777	Single-unit packaging Multi-unit packaging	SO SO	S0 S0	3RA29 11-1CA00 3RA29 11-1C	1 1	1 unit 5 units	0.001 0.001

3RA29 21-2FA00

¹⁾ The hybrid link modules for motor starter protector to contactor cannot be used for the 3RV2. 21-4PA1., 3RV2. 21-4FA1., 3RV27 and 3RV28 motor starter protectors.

²⁾ A spacer for height compensation on AC contactors size S0 is optionally available. Note:

Hybrid link modules can be used up to max. 32 A.

3RV Motor Starter Protectors

Accessories

Mounting accessories



Selection and ordering data

	Туре	Design	For SIRIUS MSP size	Order No.	Order Quantity	Weight approx. (kg)
Isolator module						
3RV19 38-1A 3RV29 28-1A with padlock with padlock		Visible isolating distance for isolating individual motor starter	S00, S0	3RV29 28-1A	1 unit	0.132
		protectors from the network, lockable in isolating position.	S2	3RV19 18-5B	1 unit	0.29
Auxiliary terminal, 3 pol	e					
3RT19 46-4F		For connection of auxiliary and control cables to the main conductor connections	S3	3RT19 46-4F	1 unit	0.10
Covers						
3RV1 (size S3) with	To marks of a surger					
3RT19 46-4EA1	for box terminals	to be fitted at the box terminals	S2	3RT19 36-4EA2	1 unit	0.10
		(2 units can be mounted per MSP)	S3	3RT19 46-4EA2	1 unit	
3RV29 28-4AA00	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	1 unit	0.03
3RV29 08-4AA10	Terminal cover					
COON	for devices with ring lug terminal connection	Main current level	S00, S0 ¹⁾	3RV29 28-4AA00	1 unit	0.01
		 For transverse auxiliary switches 	S00, S0 ¹⁾	3RV29 08-4AA10	1 unit	0.01
3RV29 08-0P	Scale cover	For covering the current setting scale. Packing unit: Bag with 10	S00, S0 ²⁾	3RV29 08-0P	10 units	
-			52, 53	3RV19 08-0P	TO UNITS	
Fixing Material						
3RV29 28-0B	Push-in lugs For screwing the motor starter protector	Two units are required for each motor starter protector.	S00, S0	3RV29 28-0B	10 units	0.10
	onto mounting plates.					
Tools for opening spring	g-type terminals by ha	and				
3RA29 08-1A	Screwdriver For all SIRIUS devices with spring terminals	Length approx. 200 mm, 3.0 mm x 0.5 mm, titanium gray/black partially insulated	S00, S0, S2, S3	3RA29 08-1A	1 unit	0.045

1) Compatible with 3RV20 motor starter protectors.

2) Compatible with 3RV20, 3RV21, and 3RV24 motor starter protectors.



3RV Motor Starter Protectors Accessories

Rotary operating mechanisms

1

Selection and ordering data

	Туре	Details Fo	or SIRIUS SP size	Order No.	Approx. Wt. (kg)
Door-coupling rota	ry operating mechanisms for (Classic and Innovations			
3RV29 26-0B	The door-coupling rotary operatin extension shaft (6 mm x 6 mm). T protection IP65. The door locking postion of the motor starter prote	g mechanisms consist of a knob, a coupling dri he door-coupling rotary operating mechanisms device prevents accidental opening of the cont ctor. The OFF position can be locked with up to	iver and a 130 are designed trol cabinet do 3 padlocks.	D/330 mm long to degree of por in the ON	0.111
	operating mechanisms (black)	Extension shaft 130 mm SC S2 Extension shaft 330 mm SC	2, S3 20, S0 2, S3 20, S0 2, S3	3RV29 26-0B 3RV29 26-0B 3RV29 26-0K 3RV29 26-0K	0.111 0.1 0.324 0.3
	EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow)	Extension shaft 130 mm S0 S2 Extension shaft 330 mm S0 S3	2, S3 20, S0 2, S3 20, S0 2, S3	3RV29 26-0C 3RV29 26-0C 3RV29 26-0L 3RV29 26-0L	0.110 0.1 0.316 0.3
Door-coupling rota	ry operating mechanisms for a	arduous conditions	_, 00		0.0
3RV29 26-2C	The door-coupling rotary operatin length (8 mm x 8 mm), a spacer a operating mechanisms are desigr opening of the control cabinet do padlocks. Laterally mountable au operating mechanisms thus meet	g mechanisms consist of a knob, a coupling dri and two metal brackets, into which the MSP is is ned for degree of protection IP 65. The door loc or in the ON position of the MSP. The OFF post kiliary releases and two-pole auxiliary switches of the requirements for isolating functions accord	iver, an extens s inserted. Th king device re ion can be loo can be used. ing to IEC 60	sion shaft of 300 mm e door-coupling rotary eliably prevents accidental cked with up to 3 The door-coupling rotary 947-2.	
	Door-coupling rotary	SC	00, S0	3RV29 26-2B	1.2
	operating mechanisms	SZ	2	3RV29 36-2B	1.6
	(gray)	S	3	3RV29 46-2B	1.7
	EMERGNCY STOP door-coupl	ing SC	00, S0	3RV29 26-2C	1.2
	rotary operating mechanisms	SZ	2	3RV29 36-2C	1.5
	(red/yellow)	S	3	3RV29 46-2C	1.7
			Enc For SIRIU	losures and fror	nt plates Approx.
	Туре	Details	Enc For SIRIU MSP size	Order No.	Approx. Wt. (kg)
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate)	For SIRIU MSP size S00, S0 S2, S3	Order No.	Approx. Wt. (kg)
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow)	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3	Order No. 3RV19 23-4B 3RV19 23-4E	Approx. Wt. (kg) 0.08
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3	S Order No. 3RV19 23-4B 3RV19 23-4E 3RV19 23-4E	Approx. Wt. (kg) 0.08 0.08 0.19
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates mounting Molded-plastic enclosure for wall mounting with rotary operating mechanism,	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped Degree of protection IP 55, with N and PE terminals, lockable in 0 position overall width:	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3	S Order No. 3RV19 23-4B 3RV19 23-4E 3RV19 23-4E	Approx. Wt. (kg) 0.08 0.08 0.19
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates Molded-plastic enclosure for wall mounting with rotary operating mechanism, lockable, with metric cable gland	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped Degree of protection IP 55, with N and PE terminals, lockable in 0 position overall width: 54 mm (for switch + lateral auxiliary switch)	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3 0 0 S00, S0 0 1 S00, S0	S Order No. S Order No. 3RV19 23-4B 3RV19 23-4E 3RV19 23-4G	Approx. Wt. (kg) 0.08 0.08 0.19
Front Plates 3RV19 23-4B + 3RV19 23-4G Interpret of the second s	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates mounting Molded-plastic enclosure for wall mounting with rotary operating mechanism, lockable, with metric cable gland	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped Degree of protection IP 55, with N and PE terminals, lockable in 0 position overall width: 54 mm (for switch + lateral auxiliary switch) 72 mm (for switch + lateral auxiliary switch + auxiliary release)	Enc For SIRIU MSP size S00, S0 S2, S3 0 S00, S0 in S00, S0 S00, S0 S00, S0	S Order No. S Order No. 3RV19 23-4B 3RV19 23-4E 3RV19 23-4G 3RV19 23-4G 3RV19 23-4G 3RV19 23-4G	Approx. Wt. (kg) 0.08 0.08 0.19 0.26 0.30
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates mounting Molded-plastic enclosure for wall mounting with rotary operating mechanism, lockable, with metric cable gland Cast aluminum surface-mount enclosure with rotary operating mechanism	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped Degree of protection IP 55, with N and PE terminals, lockable in 0 position overall width: 54 mm (for switch + lateral auxiliary switch) 72 mm (for switch + lateral auxiliary switch + auxiliary release) Degree of protection IP 65, with PE terminals, ¹ lockable in 0 position	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3 0 S00, S0 S00, S0 S00, S0 S00, S0	S Order No. S Order No. 3RV19 23-4B 3RV19 23-4E 3RV19 23-4G 3RV19 23-4G 3RV19 23-4G 3RV19 23-4G	Approx. Wt. (kg) 0.08 0.08 0.19 0.19 0.26 0.30
Front Plates 3RV19 23-4B + 3RV19 23-4G	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates Molded-plastic enclosure for wall mounting with rotary operating mechanism, lockable, with metric cable gland Cast aluminum surface-mount enclosure with rotary operating mechanism, lockable, with metric cable gland	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped Degree of protection IP 55, with N and PE terminals, lockable in 0 position overall width: 54 mm (for switch + lateral auxiliary switch) 72 mm (for switch + lateral auxiliary switch) 72 mm (for solution IP 65, with PE terminals, lockable in 0 position overall width: Term (for switch + lateral auxiliary switch) 72 mm (for switch + lateral auxiliary switch) 72 mm (for MSP + lateral auxiliary switch + auxiliary release)	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3 00 S00, S0 S00, S0 S00, S0 S00, S0	S Order No. S Order No. S SRV19 23-4B SRV19 23-4E SRV19 23-4G SRV19 23-4G SRV19 23-4G SRV19 23-1CA00 SRV19 23-1CA00 SRV19 23-1DA00 SRV19 23-1DA01	Approx. Wt. (kg) 0.08 0.08 0.19 0.19 0.26 0.30
Front Plates 3RV19 23-4B + 3RV19 23-4G Image: Second state states	Type Molded-plastic front plate with rotary operating mechanism, lockable. For actuation of 3RV motor starter protectors in any enclosure Molded-plastic front plate with EMERGENCY STOP door-coupling rotary operating mechanisms (red/yellow) Holders for front plates Molded-plastic enclosure for wall mounting with rotary operating mechanism, lockable, with metric cable gland Cast aluminum surface-mount enclosure with rotary operating mechanism, lockable, with metric cable gland Cast aluminum surface-mount enclosure with rotary operating mechanism, lockable, with metric cable gland Cast aluminum surface-mount enclosure with rotary operating mechanism, lockable, with metric cable gland	Details For actuation of 3RV MSP's in any enclosure, degree of protection IP 55 (front plate) EMERGENCY-STOP operation of 3RV MSP's in any enclosure, degree of protection IP 55 Holder is mounted on front plate, MSP size S0 or S0 with or without accessories is snapped Degree of protection IP 55, with N and PE terminals, lockable in 0 position overall width: 54 mm (for switch + lateral auxiliary switch + auxiliary release) Degree of protection IP 65, with PE terminals, lockable in 0 position overall width: 72 mm (for MSP + lateral auxiliary switch + auxiliary release) Degree of protection IP 65, with PE terminals, lockable in 0 position overall width: 72 mm (for MSP + lateral auxiliary switch + auxiliary release) Degree of protection IP 65, with PE terminals, lockable in 0 position	Enc For SIRIU MSP size S00, S0 S2, S3 S00, S0 S2, S3 00 S00, S0 S00, S0 S00, S0 S00, S0	S Order No. S Order No. 3RV19 23-4B 3RV19 23-4E 3RV19 23-4G 3RV19 23-4G 3RV19 23-1CA00 3RV19 23-1CA00 3RV19 23-1DA00 3RV19 23-1DA01	Approx. Wt. (kg) 0.08 0.08 0.19 0.19 0.26 0.30 1.02

1) If required, an additional N terminal can be mounted (e.g. 8WA10 11-1BG11).