



3RE4 IEC Controllers

Siemens enclosed IEC line will increase your plant uptime and improve your energy efficiency.

2019 Catalog Supplement

usa.siemens.com/enclosed-IEC



The 3RE4 IEC Controller

Siemens has developed an innovative enclosed IEC line with the very best product enhancements that far exceed any competitive offering on the market today.

In the following supplement catalog pages, you'll see our SIRIUS enclosed IEC offering. This includes NEMA Type 1, 3, 3R, 4, 4X and 12 enclosures with the innovative SIRIUS contactors and overload relays and SIRIUS ACT pilot devices. The starters are available with thermal or solid-state overload relays for single or three phase motors in reversing or non-reversing applications.

The SIRIUS line of solid-state overload relays are designed and calibrated to be used with IE2, IE3 and IE4 motors providing less nuisance tripping due to the high inrush capabilities. The wide range of the overload relay settings allows for inventory reductions. Overall, the Siemens enclosed IEC line will increase your plant uptime and improve your energy efficiency.

The controllers are motor horsepower rated per UL and the enclosures are NEMA rated; as a bonus, our devices are also manufactured in accordance with environmental guidelines and contain eco-friendly & reusable materials. Constructed with genuine metal, these new enclosed switching and protection devices have been extreme-element tested to ensure reliability for your most critical operations. Bottom line, the Siemens enclosed IEC line offers the most innovative product features in an enclosure.

On the following pages, you'll get a breakdown of the product features, available accessories and catalog ordering information to select the best product to control and protect your fans, compressors, blowers, and many other motor applications.

New 3RE4 IEC Controllers

General information

3RE4 Enclosed IEC Controllers

Product overview

3RE4 Enclosed IEC motor controllers are well suited for both industrial and commercial applications. They are durable and dependable, particularly when it comes to motor protection. Protecting the performance of motors is a critical priority and the 3RE4 enclosed starters are offered with either thermal or solid-state overload relays to maximize your motor protection.



Controller Features

General

- UL motor horsepower rated
- From fractional up to 60 Hp at 575 V
- Non-combination type starters and contactors
- Reversing and non-reversing controllers
- Single phase and 3-phase loads
- Thermal and solid-state overload relays
- NEMA Type enclosures 1, 3/3R/4/12 and 4X 304 stainless steel
- Standard size and extra larger enclosures
- RoHS compliant
- Standards: UL 60947-4-1
- Certifications: cULus

Contactor

- Horsepower rated per UL
- High contact reliability
- NO and NC auxiliary contacts included as standard
- Permanently secured with screws on mounting panel
- Screw type terminal connections

Overload Relay Features

Thermal overload relays

- Trip Class 10
- Phase failure sensitivity
- UL for Single and three phase loads
- Includes NC trip contact and NO alarm contact
- Manual and automatic RESET (selectable)
- Switch position indicator
- TEST function
- STOP button
- Sealable cover (optional)
- Screw-type terminals

Solid-state overload relays

- Selectable Trip Class 5, 10, 20 and 30
- Overload, phase failure and unbalance protection
- Internal ground fault detection (selectable)
- Internal power supply
- Includes NC trip contact and NO alarm contact
- Manual and automatic RESET (selectable)
- Electrical remote RESET integrated
- Switch position indicator
- TEST function and self-monitoring
- Sealable cover (optional)
- Screw-type terminals

Available Factory Mods, Field Kits, Accessories

Factory modifications

- Push buttons
- Selector switches
- Pilot lights
- Control power transformers

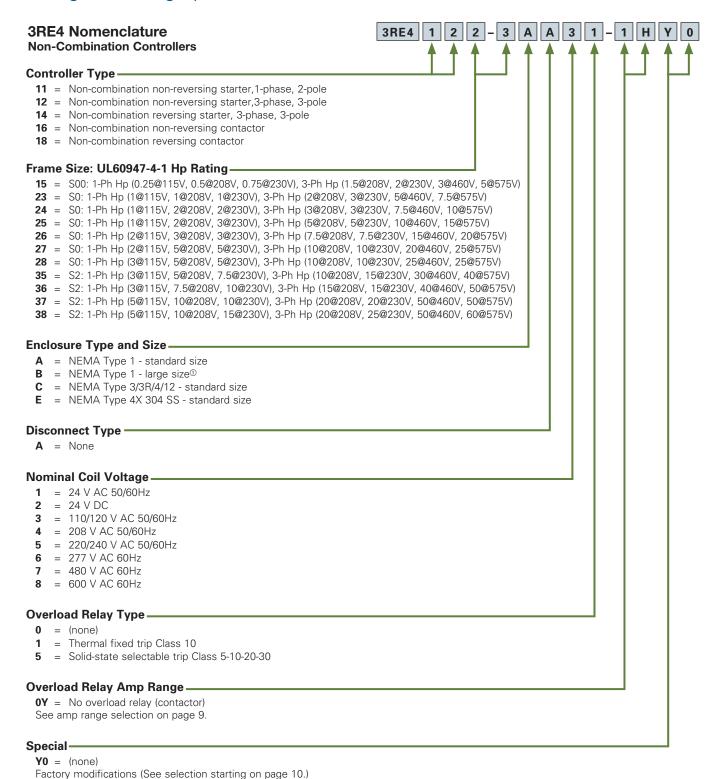
Field kits and accessories

- Push buttons
- Selector switches
- Pilot lights
- Auxiliary contacts
- Control power transformers
- Control relays and timers
- Control circuit fuse block
- Terminal blocks
- etc.

New 3RE4 IEC Controllers

Catalog Numbering System

Catalog Numbering System



[©] Large size enclosures are not applicable for some configurations Refer to product selection tables for specifics.

3RE4 Non-Reversing Starter, 3-Phase, 3-Pole, Thermal or Solid-State Overload Relay

Selection



Ordering Information	Coil Selection (●) ^①	
► Replace the (•) with the code from the	Nominal Voltage	Code
coil table on this page.	24 VAC 50/60 Hz	1
► Replace the (□) with the overload relay	24 VDC	2
(OLR) code from this page.	110/120 VAC 50/60 Hz	3
► Replace the (♦♦) with the OLR current adjustment range from pg. 9	208 VAC 50/60 Hz	4
► For factory modifications,	220/240 VAC 50/60 Hz	5
see page 10 – 12.	277 VAC 60 Hz	6
► For accessories, see page 13 – 14.	480 VAC 60 Hz	7
► For replacement parts, see page 14.	600 VAC 60 Hz	8
► For dimensions, see page 15.		
► For wiring diagrams, see page 16 – 18.		

Non-Reversing Starter, 3-Phase, 3-Pole, Thermal or Solid-State Overload Relay, Standard Enclosure

				NEMA Type Enclosure (Star	ndard Size)					
3-Phase	Motor H	p Rating	per UL	Type 1 General Purpose, Indoor only	Type 3/3R/4/12 Weatherproof, Watertight, Dust-tight	Yatertight, Type 4X 304 Stain. Steel Watertight, Dust-tight, Corrosion Resistant		Unused Auxiliary Contacts		Contactor
208 V	230 V	460 V	575 V	Catalog Number	Catalog Number	Catalog Number	NO	NC	Size	(for ref. only)
1.5	2	3	5	3RE4121–5AA●□–◆◆Y0	3RE4121-5CA●□-♦♦Y0	3RE4121-5EA●□-♦♦Y0	1	0	S00	3RT2015
2	3	5	7.5	3RE4122-3AA●□-◆◆Y0	3RE4122-3CA●□-♦♦Y0	3RE4122-3EA●□-◆◆Y0	1	1	S0	3RT2023
3	3	7.5	10	3RE4122-4AA●□-◆◆Y0	3RE4122-4CA●□-♦♦Y0	3RE4122-4EA●□-♦♦Y0	1	1	S0	3RT2024
5	5	10	15	3RE4122-5AA●□-◆◆Y0	3RE4122-5CA●□-♦♦Y0	3RE4122-5EA●□-♦♦Y0	1	1	S0	3RT2025
7.5	7.5	15	20	3RE4122-6AA●□-◆◆Y0	3RE4122-6CA●□-♦♦Y0	3RE4122-6EA●□-♦♦Y0	1	1	S0	3RT2026
10	10	20	25	3RE4122-7AA●□-◆◆Y0	3RE4122-7CA●□-♦♦Y0	3RE4122-7EA●□-♦♦Y0	1	1	S0	3RT2027
10	10	25	25	3RE4122-8AA●□-◆◆Y0	3RE4122-8CA●□-♦♦Y0	3RE4122-8EA●□-♦♦Y0	1	1	S0	3RT2028
10	15	30	40	3RE4123-5AA●□-◆◆Y0	3RE4123-5CA●□-♦♦Y0	3RE4123-5EA●□-♦♦Y0	1	1	S2	3RT2035
15	15	40	50	3RE4123-6AA●□-◆◆Y0	3RE4123-6CA●□-♦♦Y0	3RE4123-6EA●□-◆◆Y0	1	1	S2	3RT2036
20	20	50	50	3RE4123-7AA●□-◆◆Y0	3RE4123-7CA●□-♦♦Y0	3RE4123-7EA●□-◆◆Y0	1	1	S2	3RT2037
20	25	50	60	3RE4123-8AA●□-♦♦Y0	3RE4123-8CA●□-◆◆Y0	3RE4123-8EA●□-◆◆Y0	1	1	S2	3RT2038

Thermal overload relay Class 10 = 1 Solid-state overload relay selectable Class = 5

Non-Reversing Starter, 3-Phase, 3-Pole, Thermal or Solid-State Overload Relay, Large Enclosure

				NEMA Type Enclosure (Larg	ge Size)					
3-Phase	3-Phase Motor Hp Rating per UL			Type 1 General Purpose, Indoor only	Weatherproof, Watertight, Watertight, Dust-tight,		Unused Auxiliary Contacts		Frame	Contactor
208 V	230 V	460 V	575 V	Catalog Number	Catalog Number	Catalog Number	NO NC		Size	(for ref. only)
1.5	2	3	5	3RE4121–5BA●□–◆◆Y0			1	0	S00	3RT2015
2	3	5	7.5	3RE4122-3BA●□-◆◆Y0]	1	1	S0	3RT2023	
3	3	7.5	10	3RE4122-4BA●□-◆◆Y0]		1	1	S0	3RT2024
5	5	10	15	3RE4122-5BA●□-◆◆Y0	Not applicable — Stand extra mounting spa		1	1	S0	3RT2025
7.5	7.5	15	20	3RE4122-6BA●□-◆◆Y0	- CALLA IIIOUIILIIII SPE	100 101 40003301163.	1	1	S0	3RT2026
10	10	20	25	3RE4122-7BA●□-◆◆Y0	1		1	1	S0	3RT2027
10	10	25	25	3RE4122-8BA●□-♦♦Y0	1		1	1	S0	3RT2028

Thermal overload relay Class 10 = 1

Solid-state overload relay selectable Class = 5

secondary (if ordered). For single phase controllers, 120 and 240 V coils will be wired for incoming voltage. 24 V coils will be wired as separate source or control

power transformer secondary (if ordered). 277 - 600 V coils do not apply.

[©] For 3-phase controllers, 208 - 600 V coils will be wired for incoming voltage. 24 and 120 V coils will be wired as separate source or control power transformer

Selection



Ordering Information	Coil Selection (●) ^①	
► Replace the (•) with the code from the	Nominal Voltage	Code
coil table on this page.	24 VAC 50/60 Hz	1
► Replace the (□) with the overload relay	24 VDC	2
(OLR) code from this page.	110/120 VAC 50/60 Hz	3
▶ Replace the (♦♦) with the OLR current adjustment range from pg. 9.	208 VAC 50/60 Hz	4
► For factory modifications,	220/240 VAC 50/60 Hz	5
see page 10 – 12.	277 VAC 60 Hz	6
► For accessories, see page 13 – 14.	480 VAC 60 Hz	7
► For replacement parts, see page 14.	600 VAC 60 Hz	8
► For dimensions, see page 15.		
► For wiring diagrams, see page 16 – 18.		

Non-Reversing Starter, Single Phase, 2-Pole, Thermal Overload Relay, Standard Enclosure

1 Dhana	Matau Um		NEMA Type Enclosure (Stan	dard Size)					
Rating p	Motor Hp er UL		Type 1 General Purpose, Indoor only	Type 3/3R/4/12 Weatherproof, Watertight, Dust-tight	Type 4X 304 Stain. Steel Watertight, Dust-tight, Corrosion Resistant	Unused Auxiliary Contacts		Frame	Contactor
115 V	208 V	230 V	Catalog Number Catalog Number Catalog Number		NO	NC	Size	(for ref. only)	
0.25	0.5	0.75	3RE4111-5AA●1-♦♦Y0	3RE4111-5CA●1-♦♦Y0	3RE4111-5EA●1-♦♦Y0	1	0	S00	3RT2015
1	1	1	3RE4112-3AA●1-♦♦Y0	3RE4112-3CA●1-♦♦Y0	3RE4112-3EA●1-♦♦Y0	1	1	S0	3RT2023
1	2	2	3RE4112-4AA●1-♦♦Y0	3RE4112-4CA●1-♦♦Y0	3RE4112-4EA●1-♦♦Y0	1	1	S0	3RT2024
1	2	3	3RE4112-5AA●1-♦♦Y0	3RE4112-5CA●1-♦♦Y0	3RE4112-5EA●1-♦♦Y0	1	1	S0	3RT2025
2	3	3	3RE4112-6AA●1-♦♦Y0	3RE4112-6CA●1-♦♦Y0	3RE4112-6EA●1-♦♦Y0	1	1	S0	3RT2026
2	5	5	3RE4112-7AA●1-♦♦Y0	3RE4112-7CA●1-♦♦Y0	3RE4112-7EA●1-♦♦Y0	1	1	S0	3RT2027
3	5	5	3RE4112-8AA●1-♦♦Y0	3RE4112-8CA●1-♦♦Y0	3RE4112-8EA●1-♦♦Y0	1	1	S0	3RT2028
3	5	7.5	3RE4113-5AA●1-♦♦Y0	3RE4113-5CA●1-♦♦Y0	3RE4113-5EA●1-♦♦Y0	1	1	S2	3RT2035
3	7	10	3RE4113-6AA●1-♦♦Y0	3RE4113-6CA●1-♦♦Y0	3RE4113-6EA●1-♦♦Y0	1	1	S2	3RT2036
5	10	10	3RE4113-7AA●1-♦♦Y0	3RE4113-7CA●1-♦♦Y0	3RE4113-7EA●1-♦♦Y0	1	1	S2	3RT2037
5	10	15	3RE4113-8AA●1-♦♦Y0	3RE4113-8CA●1-♦♦Y0	3RE4113-8EA●1-♦♦Y0	1	1	S2	3RT2038

Non-Reversing Starter, Single Phase, 2-Pole, Thermal Overload Relay, Large Enclosure

1 Phone	Motor Hp		NEMA Type Enclosure (Large	Size)					
Rating p			Type 1 General Purpose,	Type 3/3R/4/12 Weatherproof, Watertight,	Type 4X 304 Stain. Steel Watertight, Dust-tight,	Unused Auxiliary			
			Indoor only	Dust-tight	Corrosion Resistant	Cont		Frame	Contactor
115 V	208 V	230 V	Catalog Number	Catalog Number	Catalog Number	NO			(for ref. only)
0.25	0.5	0.75	3RE4111-5BA●1-♦♦Y0			1	0	S00	3RT2015
1	1	1	3RE4112-3BA●1-♦♦Y0					S0	3RT2023
1	2	2	3RE4112-4BA●1-♦♦Y0]		1	1	S0	3RT2024
1	2	3	3RE4112-5BA●1-♦♦Y0		dard enclosure includes ace for accessories.	1	1	S0	3RT2025
2	3	3	3RE4112-6BA●1-♦♦Y0	extra mounting spi	ace for accessories.	1	1	S0	3RT2026
2	5	5	3RE4112-7BA●1-♦♦Y0			1	1	S0	3RT2027
3	5	5	3RE4112-8BA●1-♦♦Y0			1	1	S0	3RT2028

[®] For 3-phase controllers, 208 - 600 V coils will be wired for incoming voltage. 24 and 120 V coils will be wired as separate source or control power transformer

3RE4 Reversing Starter, 3-Phase, 3-Pole, Thermal or Solid-State Overload Relay

Selection



C	ordering Information	Coil Selection (●) ^①	
•	Replace the (•) with the code from the	Nominal Voltage	Code
	coil table on this page.	24 VAC 50/60 Hz	1
	Replace the () with the overload relay	24 VDC	2
	(OLR) code from this page.	110/120 VAC 50/60 Hz	3
	Replace the (��) with the OLR current adjustment range from pg. 9	208 VAC 50/60 Hz	4
	For factory modifications,	220/240 VAC 50/60 Hz	5
'	see page 10 – 12.	277 VAC 60 Hz	6
•	For accessories, see page 13 – 14.	480 VAC 60 Hz	7
	For replacement parts, see page 14.	600 VAC 60 Hz	8
•	For dimensions, see page 15.		
	For wiring diagrams, see page 16 – 18.		

Reversing Starter, 3-Phase, 3-Pole, Thermal or Solid-State Overload Relay, Standard Enclosure

				NEMA Type Enclosure (Star	ndard Size)					
3-Phase	Motor H	p Rating	per UL	Type 1 General Purpose, Indoor only	Type 3/3R/4/12 Weatherproof, Watertight, Dust-tight	Type 4X 304 Stain. Steel Watertight, Dust-tight, Corrosion Resistant	Unused Auxiliary Contacts		Frame	Contactor
208 V	230 V	460 V	575 V	Catalog Number	Catalog Number	Catalog Number	NO	NC	Size	(for ref. only)
1.5	2	3	5	3RE4141–5AA●□–◆◆Y0	3RE4141-5CA●□-♦♦Y0	3RE4141-5EA●□-♦♦Y0	2	2	S00	3RA2315
2	3	5	7.5	3RE4142-3AA●□-◆◆Y0	3RE4142-3CA●□-◆◆Y0	3RE4142-3EA●□-◆◆Y0	2	0	S0	3RA2323
3	3	7.5	10	3RE4142-4AA●□-◆◆Y0	3RE4142-4CA●□-♦♦Y0	3RE4142-4EA●□-◆◆Y0	2	0	S0	3RA2324
5	5	10	15	3RE4142-5AA●□-◆◆Y0	3RE4142-5CA●□-♦♦Y0	3RE4142-5EA●□-♦♦Y0	2	0	S0	3RA2325
7.5	7.5	15	20	3RE4142-6AA●□-◆◆Y0	3RE4142-6CA●□-◆◆Y0	3RE4142-6EA●□-♦♦Y0	2	0	S0	3RA2326
10	10	20	25	3RE4142-7AA●□-◆◆Y0	3RE4142-7CA●□-♦♦Y0	3RE4142-7EA●□-♦♦Y0	2	0	S0	3RA2327
10	10	25	25	3RE4142-8AA●□-◆◆Y0	3RE4142-8CA●□-◆◆Y0	3RE4142-8EA●□-◆◆Y0	2	0	S0	3RA2328
10	15	30	40	3RE4143-5AA●□-◆◆Y0	3RE4143-5CA●□-♦♦Y0	3RE4143-5EA●□-♦♦Y0	2	0	S2	3RA2335
15	15	40	50	3RE4143-6AA●□-◆◆Y0	3RE4143-6CA●□-◆◆Y0	3RE4143-6EA●□-◆◆Y0	2	0	S2	3RA2336
20	20	50	50	3RE4143-7AA●□-◆◆Y0	3RE4143-7CA●□-◆◆Y0	3RE4143-7EA●□-◆◆Y0	2	0	S2	3RA2337
20	25	50	60	3RE4143-8AA●□-◆◆Y0	3RE4143-8CA●□-◆◆Y0	3RE4143-8EA●□-♦♦Y0	2	0	S2	3RA2338

Thermal overload relay Class 10 = 1 1 5 5

Reversing Starter, 3-Phase, 3-Pole, Thermal or Solid-State Overload Relay, Large Enclosure

				NEMA Type Enclosure (Larg	je Size)					
3-Phase	3-Phase Motor Hp Rating per UL			Type 1 General Purpose, Indoor only	Type 3/3R/4/12 Weatherproof, Watertight, Dust-tight Type 4X 304 Stain. Steel Watertight, Dust-tight, Corrosion Resistant		Unus Auxi Cont	liary	Frame	Contactor
208 V	230 V	460 V	575 V	Catalog Number	Catalog Number	Catalog Number	NO NC		Size	(for ref. only)
1.5	2	3	5	3RE4141–5BA●□–♦♦Y0			2	2	S00	3RA2315
2	3	5	7.5	3RE4142-3BA●□-♦♦Y0			2	0	S0	3RA2323
3	3	7.5	10	3RE4142-4BA●□-♦♦Y0]		2	0	S0	3RA2324
5	5	10	15	3RE4142-5BA●□-♦♦Y0	Not applicable — Stand extra mounting spa		2	0	S0	3RA2325
7.5	7.5	15	20	3RE4142-6BA●□-♦♦Y0	Cxtra mounting spe	2	0	S0	3RA2326	
10	10	20	25	3RE4142-7BA●□-♦♦Y0			2	0	S0	3RA2327
10	10	25	25	3RE4142-8BA●□-♦♦Y0				0	S0	3RA2328

Thermal overload relay Class 10 = **1**

Solid-state overload relay selectable Class = 5

secondary (if ordered). For single phase controllers, 120 and 240 V coils will be wired for incoming voltage. 24 V coils will be wired as separate source or control

power transformer secondary (if ordered). 277 - 600 V coils do not apply.

① For 3-phase controllers, 208 - 600 V coils will be wired for incoming voltage. 24 and 120 V coils will be wired as separate source or control power transformer

3RE4 Non-Reversing Contactor, 3-Pole (for both 1-Phase and 3-Phase)

Selection



Ordering Information	Coil Selection (●) ^①				
► Replace the (•) with the code from the	Nominal Voltage	Code			
coil table on this page.	24 VAC 50/60 Hz	1			
► For factory modifications,	24 VDC	2			
see page 10 – 12.	110/120 VAC 50/60 Hz	3			
► For accessories, see page 13 – 14.	208 VAC 50/60 Hz	4			
For replacement parts, see page 14.	220/240 VAC 50/60 Hz	5			
For dimensions, see page 15.	277 VAC 60 Hz	6			
► For wiring diagrams, see page 16 – 18.	480 VAC 60 Hz	7			
	600 VAC 60 Hz	8			

Non-Reversing Contactor, 3-Pole (for both 1-Phase and 3-Phase), Standard Enclosure

1 Dha	se Mot	ar Un	2 Dha	se Mot	au Un		NEMA Type Enclosure (S	tandard Size)					
	g per U			g per U			Type 1 General Purpose, Indoor only	Type 3/3R/4/12 Weatherproof, Watertight, Dust-tight	Type 4X 304 Stain. Steel Watertight, Dust-tight, Corrosion Resistant	Unused Auxiliary Contacts		F	Contactor
115V	208V	230V	208V	230V	460V	575V	Catalog Number	Catalog Number	Catalog Number	NO	NC	Size	(for ref. only)
0.25	0.5	0.75	1.5	2	3	5	3RE4161-5AA●0-0YY0	3RE4161-5CA • 0-0YY0	3RE4161-5EA●0-0YY0	1	0	S00	3RT2015
1	1	1	2	3	5	7.5	3RE4162-3AA●0-0YY0	3RE4162-3CA●0-0YY0	3RE4162-3EA●0-0YY0	1	1	S0	3RT2023
1	2	2	3	3	7.5	10	3RE4162-4AA●0-0YY0	3RE4162-4CA • 0-0YY0	3RE4162-4EA●0-0YY0	1	1	S0	3RT2024
1	2	3	5	5	10	15	3RE4162-5AA●0-0YY0	3RE4162-5CA • 0-0YY0	3RE4162-5EA●0-0YY0	1	1	S0	3RT2025
2	3	3	7.5	7.5	15	20	3RE4162-6AA●0-0YY0	3RE4162-6CA●0-0YY0	3RE4162-6EA●0-0YY0	1	1	S0	3RT2026
2	5	5	10	10	20	25	3RE4162-7AA●0-0YY0	3RE4162-7CA●0-0YY0	3RE4162-7EA●0-0YY0	1	1	S0	3RT2027
3	5	5	10	10	25	25	3RE4162-8AA●0-0YY0	3RE4162-8CA●0-0YY0	3RE4162-8EA●0-0YY0	1	1	S0	3RT2028
3	5	7.5	10	15	30	40	3RE4163-5AA●0-0YY0	3RE4163-5CA • 0-0YY0	3RE4163-5EA●0-0YY0	1	1	S2	3RT2035
3	7	10	15	15	40	50	3RE4163-6AA●0-0YY0	3RE4163-6CA • 0-0YY0	3RE4163-6EA●0-0YY0	1	1	S2	3RT2036
5	10	10	20	20	50	50	3RE4163-7AA●0-0YY0	3RE4163-7CA●0-0YY0	3RE4163-7EA●0-0YY0	1	1	S2	3RT2037
5	10	15	20	25	50	60	3RE4163-8AA●0-0YY0	3RE4163-8CA●0-0YY0	3RE4163-8EA●0-0YY0	1	1	S2	3RT2038

Non-Reversing Contactor, 3-Pole (for both 1-Phase and 3-Phase), Large Enclosure

							NEMA Type Enclosure (L	arge Size)					
	1-Phase Motor Hp Rating per UL Rating per UL				General Purpose, Weatherproof, Watertight, Dust-tight,		Weatherproof, Watertight, Dust-tight,		Unused Auxiliary Contacts		Contactor		
115V	208V	230V	208V	230V	460V	575V	,			NO	NC	Size	only)
0.25	0.5	0.75	1.5	2	3	5	3RE4161-5BA●0-0YY0		1	0	S00	3RT2015	
1	1	1	2	3	5	7.5	3RE4162-3BA●0-0YY0			1	1	S0	3RT2023
1	2	2	3	3	7.5	10	3RE4162-4BA●0-0YY0			1	1	S0	3RT2024
1	2	3	5	5	10	15	3RE4162-5BA●0-0YY0		dard enclosure includes ace for accessories.	1	1	S0	3RT2025
2	3	3	7.5	7.5	15	20	3RE4162-6BA●0-0YY0	extra mounting sp	ace for accessories.	1	1	S0	3RT2026
2	5	5	10	10	20	25	3RE4162-7BA●0-0YY0				1	S0	3RT2027
3	5	5	10	10	25	25	3RE4162-8BA●0-0YY0		1	1	S0	3RT2028	

① For 3-phase controllers, 208 - 600 V coils will be wired for incoming voltage. 24 and 120 V coils will be wired as separate source or control power transformer

3RE4 Reversing Contactor, 3-Pole (for both 1-Phase and 3-Phase)

Selection



Ordering Information	Coil Selection (●) ^①			
► Replace the (•) with the code from the	Nominal Voltage	Code		
coil table on this page.	24 VAC 50/60 Hz	1		
	24 VDC	2		
see page 10 – 12.	110/120 VAC 50/60 Hz	3		
For accessories, see page 13 – 14.	208 VAC 50/60 Hz	4		
For replacement parts, see page 14.	220/240 VAC 50/60 Hz	5		
 For dimensions, see page 15. For wiring diagrams, see page 16 – 18. 	277 VAC 60 Hz	6		
	480 VAC 60 Hz	7		
	600 VAC 60 Hz	8		

Reversing Contactor, 3-Pole (for both 1-Phase and 3-Phase), Standard Enclosure

1-Phas	P	3-Phas	se.			NEMA Type Enclosure (S	tandard Size)					
Motor	-	Motor		L	ı	Type 1 General Purpose, Indoor only	Type 3/3R/4/12 Weatherproof, Watertight, Dust-tight	Type 4X 304 Stain. Steel Watertight, Dust-tight, Corrosion Resistant	Unused Auxiliary Contacts		F	Contactor
115V	230V	208V	230V	460V	575V	Catalog Number	Catalog Number	Catalog Number	NO	NC	Frame Size	(for ref. only)
0.25	0.75	1.5	2	3	5	3RE4181-5AA●0-0YY0	3RE4181-5CA●0-0YY0	3RE4181-5EA●0-0YY0	2	2	S00	3RA2315
1	1	2	3	5	7.5	3RE4182-3AA●0-0YY0	3RE4182-3CA●0-0YY0	3RE4182-3EA●0-0YY0	2	0	S0	3RA2323
1	2	3	3	7.5	10	3RE4182-4AA●0-0YY0	3RE4182-4CA●0-0YY0	3RE4182-4EA●0-0YY0	2	0	S0	3RA2324
1	3	5	5	10	15	3RE4182-5AA●0-0YY0	3RE4182-5CA • 0-0YY0	3RE4182-5EA●0-0YY0	2	0	S0	3RA2325
2	3	7.5	7.5	15	20	3RE4182-6AA●0-0YY0	3RE4182-6CA●0-0YY0	3RE4182-6EA●0-0YY0	2	0	S0	3RA2326
2	5	10	10	20	25	3RE4182-7AA●0-0YY0	3RE4182-7CA●0-0YY0	3RE4182-7EA●0-0YY0	2	0	S0	3RA2327
3	5	10	10	25	25	3RE4182-8AA●0-0YY0	3RE4182-8CA●0-0YY0	3RE4182-8EA●0-0YY0	2	0	S0	3RA2328
3	7.5	10	15	30	40	3RE4183-5AA●0-0YY0	3RE4183-5CA●0-0YY0	3RE4183-5EA●0-0YY0	2	0	S2	3RA2335
3	10	15	15	40	50	3RE4183-6AA●0-0YY0	3RE4183-6CA●0-0YY0	3RE4183-6EA●0-0YY0	2	0	S2	3RA2336
5	10	20	20	50	50	3RE4183-7AA●0-0YY0	3RE4183-7CA●0-0YY0	3RE4183-7EA●0-0YY0	2	0	S2	3RA2337
5	15	20	25	50	60	3RE4183-8AA●0-0YY0	3RE4183-8CA●0-0YY0	3RE4183-8EA●0-0YY0	2	0	S2	3RA2338

Reversing Contactor, 3-Pole (for both 1-Phase and 3-Phase), Large Enclosure

1-Phase	-	3-Phas				NEMA Type Enclosure (Large Size)						
Motor Rating		Motor Rating	Hp per Ul	_	T .	Type 1 General Purpose, Indoor only	Weatherproof, Watertight, Dust-tight,		Unused Auxiliary Contacts		F	Contactor
115V	230V	208V	230V	460V	575V	Catalog Number	Catalog Number	Catalog Number	NO	NC	Frame Size	(for ref. only)
0.25	0.75	1.5	2	3	5	3RE4181-5BA●0-0YY0			2	2	S00	3RA2315
1	1	2	3	5	7.5	3RE4182-3BA●0-0YY0			2	0	S0	3RA2323
1	2	3	3	7.5	10	3RE4182-4BA●0-0YY0			2	0	S0	3RA2324
1	3	5	5	10	15	3RE4182-5BA●0-0YY0		dard enclosure includes	2	0	S0	3RA2325
2	3	7.5	7.5	15	20	3RE4182-6BA●0-0YY0	extra mounting space for accessories.		2	0	S0	3RA2326
2	5	10	10	20	25	3RE4182-7BA●0-0YY0			2	0	S0	3RA2327
3	5	10	10	25	25	3RE4182-8BA●0-0YY0			2	0	S0	3RA2328

[©] For 3-phase controllers, 208 - 600 V coils will be wired for incoming voltage. 24 and 120 V coils will be wired as separate source or control power transformer

Selection Tables for 3RE4 Overload Relays

Selection

Selection Tables for 3RE4 Overload Relays





Solid-State **Overload Relay Overload Relay**

Selection Information

Replace the (♦♦) within the incomplete 3RE4 catalog number with a code selected from the tables below. The frame size must match that of the 3RE4 product.

Thermal Overload Relays, Trip Class 10, Single and Three Phase

Features and technical characteristics:

- Phase failure sensitivity
- Includes NC trip contact and NO alarm contact

Current Adjustment Range (Amp)	Code ♦♦	Thermal Overload Relay (reference only)
F	rame	Size S00
0.7 - 1	0J	3RU2116-0JB0
0.9 - 1.25	0K	3RU2116-0KB0
1.1 - 1.6	1A	3RU2116-1AB0
1.4 - 2	1B	3RU2116-1BB0
1.8 - 2.5	1C	3RU2116-1CB0
2.2 - 3.2	1D	3RU2116-1DB0
2.8 - 4	1E	3RU2116-1EB0
3.5 - 5	1F	3RU2116-1FB0
4.5 - 6.3	1G	3RU2116-1GB0
5.5 - 8	1H	3RU2116-1HB0
7 - 10	1J	3RU2116-1JB0
9 - 12.5	1K	3RU2116-1KB0
11 - 16	4A	3RU2116-4AB0

- Manual and automatic RESET (selectable) STOP button
- Switch position indicator
- TEST function

Current Adjustment Range (Amp)	Code	Thermal Overload Relay (reference only)
	Frame	Size S0
1.8 - 2.5	1C	3RU2126-1CB0
2.2 - 3.2	1D	3RU2126-1DB0
2.8 - 4	1E	3RU2126-1EB0
3.5 - 5	1F	3RU2126-1FB0
4.5 - 6.3	1G	3RU2126-1GB0
5.5 - 8	1H	3RU2126-1HB0
7 - 10	1J	3RU2126-1JB0
9 - 12.5	1K	3RU2126-1KB0
11 - 16	4A	3RU2126-4AB0
14 - 20	4B	3RU2126-4BB0
17 - 22	4C	3RU2126-4CB0
20 - 25	4D	3RU2126-4DB0
23 - 28	4N	3RU2126-4NB0
27 - 32	4E	3RU2126-4EB0
30 - 36	4P	3RU2126-4PB0
34 - 40	4F	3RU2126-4FB0

- Sealable cover (optional)
- Screw-type terminals

Current Adjustment Range (Amp)	Code ♦♦	Thermal Overload Relay (reference only)
	Frame	Size S2
22 - 32	4E	3RU2136-4EB0
28 - 40	4F	3RU2136-4FB0
36 - 45	4G	3RU2136-4GB0
40 - 50	4H	3RU2136-4HB0
47 - 57	4Q	3RU2136-4QB0
54 - 65	4J	3RU2136-4JB0
62 - 73	4K	3RU2136-4KB0
70 - 80	4R	3RU2136-4RB0

Solid-State Overload Relays, Selectable Trip Class 5, 10, 20 and 30, Three Phase Only

Features and technical characteristics:

- Overload, phase failure and unbalance protection
- Internal ground fault detection (selectable)
- Internal power supply

Current Adjustment Range (Amp)	Code ♦♦	Solid-State Overload Relay (reference only)				
Frame Size S00						
0.32 - 1.25	4N	3RB3113-4NB0				
1 - 4	4P	3RB3113-4PB0				
3 - 12	4S	3RB3113-4SB0				
4 - 16	4T	3RB3113-4TB0				

- Includes NC trip contact and NO alarm contact
- Manual and automatic RESET (selectable)
- Electrical remote RESET integrated

Current Adjustment Range (Amp)	Code ♦♦	Solid-State Overload Relay (reference only)				
Frame Size S0						
0.32 - 1.25	4N	3RB3123-4NB0				
1 - 4	4P	3RB3123-4PB0				
3 - 12	4S	3RB3123-4SB0				
6 - 25	40	3RB3123-4QB0				
10 - 40	4V	3RB3123-4VB0				

- Switch position indicator
- TEST function and self-monitoring
- Sealable cover (optional)
- Screw-type terminals

Current Adjustment Range (Amp)	Code ♦♦	Solid-State Overload Relay (reference only)				
	Frame Size S2					
12 - 50	4U	3RB3133-4UB0				
20 - 80	4W	3RB3133-4WB0				

3RE4 Factory Modifications

Selection

Selection Information

- ► These tables apply to 3RE4 products.
- ► Replace the last two characters of the 3RE4 catalog number (Y0), with a code selected from the tables below.

Start-Stop Push Button Combinations

Description	Code (Y0)	Restrictions
(No modifications included)	Y0	-
Start-Stop Push Buttons	B0	1
Start-Stop Push Buttons, Red On Pilot Light	B1	1
Start-Stop Push Buttons, Red On Pilot Light, Green Off Pilot Light	B2	1
Start-Stop Push Buttons, CPT Std Capacity [©] 208:120V	B3	1, 2 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 208:120V, Red On Pilot Light	B4	1, 2 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 208:120V, Red On Pilot Light, Green Off Pilot Light	B5	1, 2 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 208:24V	B6	1, 3 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 208:24V, Red On Pilot Light	B7	1, 3 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 208:24V, Red On Pilot Light, Green Off Pilot Light	B8	1, 3 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 240:120V	C0	1 and 2
Start-Stop Push Buttons, CPT Std Capacity [©] 240:120V, Red On Pilot Light	C1	1 and 2
Start-Stop Push Buttons, CPT Std Capacity © 240:120V, Red On Pilot Light, Green Off Pilot Light	C2	1 and 2
Start-Stop Push Buttons, CPT Std Capacity [©] 240:24V	C3	1 and 3
Start-Stop Push Buttons, CPT Std Capacity [©] 240:24V, Red On Pilot Light	C4	1 and 3
Start-Stop Push Buttons, CPT Std Capacity® 240:24V, Red On Pilot Light, Green Off Pilot Light	C5	1 and 3
Start-Stop Push Buttons, CPT Std Capacity [©] 480/240:120V	C6	1, 2 and 4
Start-Stop Push Buttons, CPT Std Capacity [©] 480/240:120V, Red On Pilot Light	C7	1, 2 and 4
Start-Stop Push Buttons, CPT Std Capacity® 480/240:120V, Red On Pilot Light, Green Off Pilot Light	C8	1, 2 and 4
Start-Stop Push Buttons, CPT Std Capacity [®] 480/240:24V	D0	1, 3 and 4
Start-Stop Push Buttons, CPT Std Capacity [®] 480/240:24V, Red On Pilot Light	D1	1, 3 and 4
Start-Stop Push Buttons, CPT Std Capacity [®] 480/240:24V, Red On Pilot Light, Green Off Pilot Light	D2	1, 3 and 4

Fwd-Rev-Stop Push Button Combinations

Description	Code (Y0)	Restrictions
(No modifications included)	Y0	<u> </u>
Fwd-Rev-Stop Push Buttons	D3	5
Fwd-Rev-Stop Push Buttons, Red On Pilot Light	D4	5
Fwd-Rev-Stop Push Buttons, Red On Pilot Light, Green Off Pilot Light	D5	5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [®] 208:120V	D6	2, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 208:120V, Red On Pilot Light	D7	2, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [©] 208:120V, Red On Pilot Light, Green Off Pilot Light	D8	2, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [®] 208:24V	E0	3, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 208:24V, Red On Pilot Light	E1	3, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 208:24V, Red On Pilot Light, Green Off Pilot Light	E2	3, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 240:120V	E3	2 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 240:120V, Red On Pilot Light	E4	2 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 240:120V, Red On Pilot Light, Green Off Pilot Light	E5	2 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [®] 240:24V	E6	3 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 240:24V, Red On Pilot Light	E7	3 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 240:24V, Red On Pilot Light, Green Off Pilot Light	E8	3 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 480/240:120V	F0	2, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [®] 480/240:120V, Red On Pilot Light	F1	2, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [©] 480/240:120V, Red On Pilot Light, Green Off Pilot Light	F2	2, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 480/240:24V	F3	3, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity® 480/240:24V, Red On Pilot Light	F4	3, 4 and 5
Fwd-Rev-Stop Push Buttons, CPT Std Capacity [©] 480/240:24V, Red On Pilot Light, Green Off Pilot Light	F5	3, 4 and 5

Restrictions:

- 1. Valid only with non-reversing controllers.
- 2. Valid only with 120 V coil.
- 3. Valid only with 24 VAC coil.
- 4. Not valid with single-phase controllers.
- 5. Not valid in NEMA Type 1 enclosures.

A CPT in a NEMA type 1 enclosure with a size S00 or S0 controller requires a large size enclosure. A CPT in a NEMA type 1 enclosure with a size S2 controller requires a standard size enclosure.

All other enclosure types may be standard size.

3RE4 Factory Modifications

Selection

Selection Information

- ► These tables apply to 3RE4 products.
- Replace the last two characters of the 3RE4 catalog number (Y0), with a code selected from the tables below.

Hand-Off-Auto Selector Switch Combinations

Description	Code (Y0)	Restrictions
(No modifications included)	Y0	_
Hand-Off-Auto Selector Switch	F6	1
Hand-Off-Auto Selector Switch, Red On Pilot Light	F7	1
Hand-Off-Auto Selector Switch, Red On Pilot Light, Green Off Pilot Light	F8	1
Hand-Off-Auto Selector Switch, CPT Std Capacity [©] 208:120V	G0	1, 2 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 208:120V, Red On Pilot Light	G1	1, 2 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 208:120V, Red On Pilot Light, Green Off Pilot Light	G2	1, 2 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 208:24V	G3	1, 3 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 208:24V, Red On Pilot Light	G4	1, 3 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 208:24V, Red On Pilot Light, Green Off Pilot Light	G5	1, 3 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 240:120V	G6	1 and 2
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 240:120V, Red On Pilot Light	G7	1 and 2
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 240:120V, Red On Pilot Light, Green Off Pilot Light	G8	1 and 2
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 240:24V	H0	1 and 3
Hand-Off-Auto Selector Switch, CPT Std Capacity® 240:24V, Red On Pilot Light	H1	1 and 3
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 240:24V, Red On Pilot Light, Green Off Pilot Light	H2	1 and 3
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 480/240:120V	H3	1, 2 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity® 480/240:120V, Red On Pilot Light	H4	1, 2 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 480/240:120V, Red On Pilot Light, Green Off Pilot Light	H5	1, 2 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [®] 480/240:24V	H6	1, 3 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity® 480/240:24V, Red On Pilot Light	H7	1, 3 and 4
Hand-Off-Auto Selector Switch, CPT Std Capacity [©] 480/240:24V, Red On Pilot Light, Green Off Pilot Light	H8	1, 3 and 4

On-Off Selector Switch Combinations

Description	Code (Y0)	Restrictions
(No modifications included)	Y0	_
On-Off Selector Switch	J0	1
On-Off Selector Switch, Red On Pilot Light	J1	1
On-Off Selector Switch, Red On Pilot Light, Green Off Pilot Light	J2	1
On-Off Selector Switch, CPT Std Capacity [©] 208:120V	J3	1, 2 and 4
On-Off Selector Switch, CPT Std Capacity [®] 208:120V, Red On Pilot Light	J4	1, 2 and 4
On-Off Selector Switch, CPT Std Capacity [©] 208:120V, Red On Pilot Light, Green Off Pilot Light	J5	1, 2 and 4
On-Off Selector Switch, CPT Std Capacity® 208:24V	J6	1, 3 and 4
On-Off Selector Switch, CPT Std Capacity [©] 208:24V, Red On Pilot Light	J7	1, 3 and 4
On-Off Selector Switch, CPT Std Capacity® 208:24V, Red On Pilot Light, Green Off Pilot Light	J8	1, 3 and 4
On-Off Selector Switch, CPT Std Capacity [®] 240:120V	K0	1 and 2
On-Off Selector Switch, CPT Std Capacity [©] 240:120V, Red On Pilot Light	K1	1 and 2
On-Off Selector Switch, CPT Std Capacity [©] 240:120V, Red On Pilot Light, Green Off Pilot Light	K2	1 and 2
On-Off Selector Switch, CPT Std Capacity® 240:24V	K3	1 and 3
On-Off Selector Switch, CPT Std Capacity [®] 240:24V, Red On Pilot Light	K4	1 and 3
On-Off Selector Switch, CPT Std Capacity [©] 240:24V, Red On Pilot Light, Green Off Pilot Light	K5	1 and 3
On-Off Selector Switch, CPT Std Capacity® 480/240:120V	K6	1, 2 and 4
On-Off Selector Switch, CPT Std Capacity [©] 480/240:120V, Red On Pilot Light	K7	1, 2 and 4
On-Off Selector Switch, CPT Std Capacity® 480/240:120V, Red On Pilot Light, Green Off Pilot Light	K8	1, 2 and 4
On-Off Selector Switch, CPT Std Capacity ^① 480/240:24V	L0	1, 3 and 4
On-Off Selector Switch, CPT Std Capacity ⁽¹⁾ 480/240:24V, Red On Pilot Light	L1	1, 3 and 4
On-Off Selector Switch, CPT Std Capacity ⁽¹⁾ 480/240:24V, Red On Pilot Light, Green Off Pilot Light	L2	1, 3 and 4

Restrictions:

- 1. Valid only with non-reversing controllers.
- 2. Valid only with 120 V coil.
- 3. Valid only with 24 VAC coil.
- 4. Not valid with single-phase controllers.

A CPT in a NEMA type 1 enclosure with a size S00 or S0 controller requires a large size enclosure. A CPT in a NEMA type 1 enclosure with a size S2 controller requires a standard size enclosure.

All other enclosure types may be standard size.

3RE4 Factory Modifications

Selection

Selection Information

- ► These tables apply to 3RE4 products.
- Replace the last two characters of the 3RE4 catalog number (Y0), with a code selected from the tables below.

Fwd-Off-Rev Selector Switch Combinations

Description	Code (Y0)	Restrictions
(No modifications included)	Y0	_
Fwd-Off-Rev Selector Switch	L3	_
Fwd-Off-Rev Selector Switch, Red On Pilot Light	L4	-
Fwd-Off-Rev Selector Switch, Red On Pilot Light, Green Off Pilot Light	L5	_
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 208:120V	L6	1 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity® 208:120V, Red On Pilot Light	L7	1 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 208:120V, Red On Pilot Light, Green Off Pilot Light	L8	1 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 208:24V	M0	2 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity [©] 208:24V, Red On Pilot Light	M1	2 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 208:24V, Red On Pilot Light, Green Off Pilot Light	M2	2 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity [®] 240:120V	M3	1
Fwd-Off-Rev Selector Switch, CPT Std Capacity® 240:120V, Red On Pilot Light	M4	1
Fwd-Off-Rev Selector Switch, CPT Std Capacity [®] 240:120V, Red On Pilot Light, Green Off Pilot Light	M5	1
Fwd-Off-Rev Selector Switch, CPT Std Capacity [®] 240:24V	M6	2
Fwd-Off-Rev Selector Switch, CPT Std Capacity® 240:24V, Red On Pilot Light	M7	2
Fwd-Off-Rev Selector Switch, CPT Std Capacity [®] 240:24V, Red On Pilot Light, Green Off Pilot Light	M8	2
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 480/240:120V	N0	1 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity [®] 480/240:120V, Red On Pilot Light	N1	1 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 480/240:120V, Red On Pilot Light, Green Off Pilot Light	N2	1 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 480/240:24V	N3	2 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity [®] 480/240:24V, Red On Pilot Light	N4	2 and 3
Fwd-Off-Rev Selector Switch, CPT Std Capacity ^① 480/240:24V, Red On Pilot Light, Green Off Pilot Light	N5	2 and 3

Restrictions:

- 1. Valid only with 120 V coil.
- 2. Valid only with 24 VAC coil.
- 3. Not valid with single-phase controllers.

A CPT in a NEMA type 1 enclosure with a size S00 or S0 controller requires a large size enclosure. A CPT in a NEMA type 1 enclosure with a size S2 controller requires a standard size enclosure. All other enclosure types may be standard size.

Selection

Pilot Devices

		Device ^①	Enclosure NEMA Type	Catalog Number
ed b	4	Start-Stop Push Buttons,	1	49SDPB5
		momentary [®]	3/3R/4/12 & 4X	49SDP05
			1	NA
49SDPB5 49SD	SBJ 49SDSB4	momentary ^②	3/3R/4/12 & 4X	49SDP02
Fig.		Hand-Off-Auto Selector Switch	1	49SDSBJ
		Trand-On-Auto Selector Switch	3/3R/4/12 & 4X	49SDS01
Start Push Button	Stop Push Button	On-Off Selector Switch	1	49SDSB4
		On-On Selector Switch	3/3R/4/12 & 4X	49SDS04
			1	49SDSBJ
2-Position Selector Switch 3-Position Selector Switch		Fwd-Off-Rev Selector Switch	3/3R/4/12 & 4X	49SDS02

Pilot Lights

	Device ^①	Enclosure NEMA Type	Voltage	Catalog Number
.10	Light module and lens color: RED, GREEN, and AMBER.	1	24 to 240 V AC/DC	49SDLBU
	Legends include: ON, RUN, OFF [®] , OLR TRIPPED [®]		277 V AC	49SDLBL
4		1	24 to 240 V AC/DC	49SDLB7RU
1	D 1500/4400 D 105/5005	1	277 V AC	49SDLB7RL
	Red FORWARD, Red REVERSE	3/3R/4/12 & 4X 3/3R/4/12 & 4X	24 to 240 V AC/DC	49SDL07RU
** SEE			277 V AC	49SDL07RL
	Green FORWARD, Green REVERSE	1	24 to 240 V AC/DC	49SDLB7GU
			277 V AC	49SDLB7GL
		3/3R/4/12 & 4X 3/3R/4/12 & 4X	24 to 240 V AC/DC	49SDL07GU
00 2333			277 V AC	49SDL07GL
der State I	D- I ON	3/3R/4/12 & 4X	24 to 240 V AC/DC	49SDL0BRU
	Red ON	3/3R/4/12 & 4X	277 V AC	49SDL0BRL
	D- 1 OFF@	3/3R/4/12 & 4X	24 to 240 V AC/DC	49SDL0ARU
	Red OFF®	3/3R/4/12 & 4X	277 V AC	49SDL0ARL
	Green ON	3/3R/4/12 & 4X	24 to 240 V AC/DC	49SDL0BGU
	dieen on	3/3R/4/12 & 4X	277 V AC	49SDL0BGL
	Green OFF®	3/3R/4/12 & 4X	24 to 240 V AC/DC	49SDL0AGU
	Gleen Off®	3/3R/4/12 & 4X	277 V AC	49SDL0AGL

Auxiliary Contacts

	Device	Frame Size	Catalog Number
	1 NO & 1 NC laterally mounted,	S00	3RH2911-1DA11
	screw terminals	S0 and S2	3RH2921-1DA11
	2 NO laterally mounted, screw terminals	S00	NA
		S0 and S2	3RH2921-1DA20
	2 NC laterally mounted,	S00	3RH2911-1DA02
	screw terminals	S0 and S2	3RH2921-1DA02

 ³SU 22 mm devices. Pilot lights include LED bulbs.
 Each contactor must have a normally open (NO) auxiliary contact available for seal-in circuit. Order separately as needed.

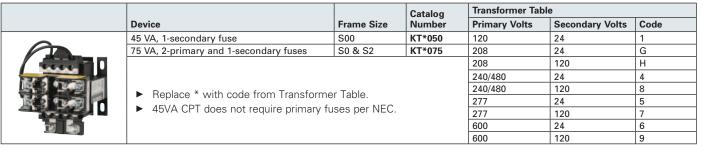
[®] To use as an OFF indicator, the contactor must have a normally closed (NC) auxiliary contact available for the circuit. Order separately as needed.

[®] To use as an overload relay (OLR) trip indicator, the OLR must have a normally open (NO) auxiliary contact available for the circuit.

3RE4 Field Modifications, Accessories, and Replacement Parts

Selection

Control Power Transformers¹



Control Relays and Timers⁰²

		Catalog	Coil Voltage Table	
	Device		Voltage	Code
A TOP OF THE PROPERTY OF THE P	Control relay, 4 NO / 0 NC	3RH2140-1●●0	24 VAC 50/60 Hz	AB0
	Control relay, 3 NO / 1 NC	3RH2131-1●●0	24 VDC	BB4
Beer &	Control relay, 2 NO / 2 NC	3RH2122-1●●0	110/120 VAC 50/60 Hz	AK6
00000	ON-delay timer, 0.05 sec. – 100 hr., 24 – 240V AC/DC	3RP2525-1BW30	208 VAC 50/60 Hz	AM2
HEAT !	OFF-delay timer, 0.05 sec. – 100 hr., 24 – 240V AC/DC 3F	3RP2535-1AW30	220/240 VAC 50/60 Hz	AP6
ecosi /			277 VAC 60 Hz	-
EDE	► Replace ●●● with code from Coil Voltage Table).	480 VAC 60 Hz	AV6
Relay Timer	► Relays and timers include screw terminals.		600 VAC 60 Hz	_

Miscellaneous

		Device	Catalog Number
		1-pole fuse block for control circuit, 600V / 30A, DIN rail mounted, CC fuses (not included)	3NW7513-0HG
		2-pole fuse block for control circuit, 600V / 30A, DIN rail mounted, CC fuses (not included)	3NW7523-0HG
	Ground Lug, 3 Conductor, 2-14 AWG AL/CU Wire	75D28182001	
		Terminal block, 1-point unwired, DIN rail mounted, 6mm, 26A®	8WA10111DF11
3NW7513-0HG	8WA1808	End retainer for DIN rail®	8WA1808
- 000	200	DIN rail kit, 35mm x 5 in, for mounting optional accessories ^①	MTR5
75D28182001	MTR5	Sealable cover for rotary dial on overload relay (10 per package)	3RV29 08-0P

Replacement Parts

	Device	Catalog Number
	Contactor parts (Obtain Cat. No. from device and refer to Industrial Control Catalog).	_
	Overload relay (Obtain Cat. No. from device and refer to Industrial Control Catalog).	_
	Overload Relay Reset Operator for all NEMA Type enclosures	49MBRS

Enclosure Kits

	Controller Frame Size & Type	Type 1	Type 1	Type 3/3R/4/12	Type 4X 304 S.S.
	NR = Non-Reversing	Standard Size	Large Size ^⑤	Standard Size®	Standard Size®
	R = Reversing		Catalog Number	Catalog Number	Catalog Number
NAME AND ADDRESS OF THE PARTY O	S00 NR, S0 NR	49EC14EB110705R	49EC14GB140807R ³	49EFN121006XRX	49EFW121006XRX
	S00 R, S0 R	49EC14GB140807R ³	49EC14IB201208R [®]	49EFN121006XRX	49EFW121006XRX
- *	S2 NR, S2 R	49EC14IB201208R ^③ ⑤	_	49EFN141208XRX	49EFW141208XRX

① The accessory in a NEMA type 1 enclosure requires a large size enclosure. All other enclosure types may be standard size.

② Requires DIN rail kit or equivalent.

³ Enclosure 49EC14GB140807R requires mounting adaptor

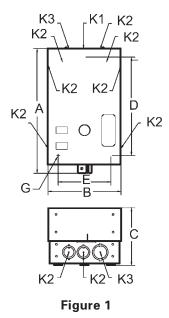
plate 49EFA070500XXA which is sold seperately.

© Enclosure 49EFA060800XXA which is sold seperately.

⑤ These large enclosures are required for certain accessories as indicated in the Field Modification pages.

[®] These standard size enclosures include extra mounting space for accessories.

Technical information



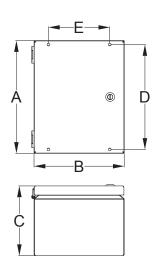


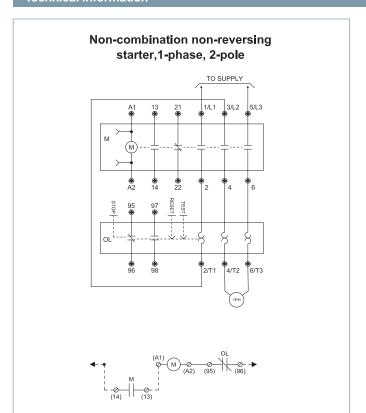
Figure 2

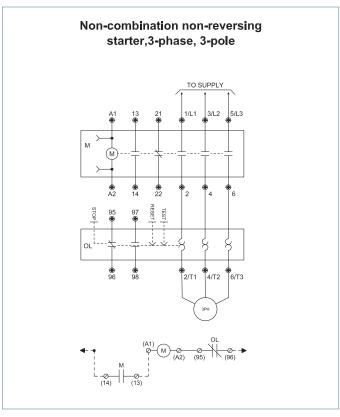
3RE4 Non-Combination Type Controllers

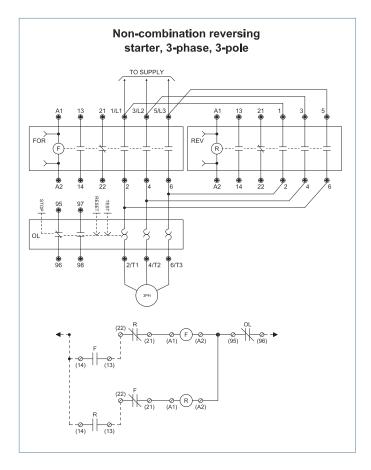
Enclosure				Outline Dimensions			Mounting		Conduit Size		
Туре	Contactor Rating	Fig.	Α	В	С	D	E	K1	K2	К3	
	S00 NR, S0 NR	1	10.97	6.41	5.03	8.22	4.62	0.5	0.50-0.75	0.75–1	
1 (standard size)	S00 R, S0 R	1	13.53	7.97	6.38	10.25	6.00	0.50-0.75	0.75-1	1-1.25	
	S2 NR, S2 R	1	19.12	11.38	7.69	15.62	8.25	0.50-0.75	1-1.25	1.5-2	
1 (large size)	S00 NR, S0 NR	1	13.53	7.97	6.38	10.25	6.00	0.50-0.75	0.75-1	1-1.25	
	S00 R, S0 R	1	19.12	11.38	7.69	15.62	8.25	0.50-0.75	1-1.25	1.5-2	
3/3R/4/12 & 4X 304 SS	S00 NR, S00 R, S0 NR, S0 R	2	12.00	10.00	6.00	11.30	7.44	_	_	_	
	S2 NR, S2 R	2	14.00	12.00	8.00	13.30	9.44	_	_	_	

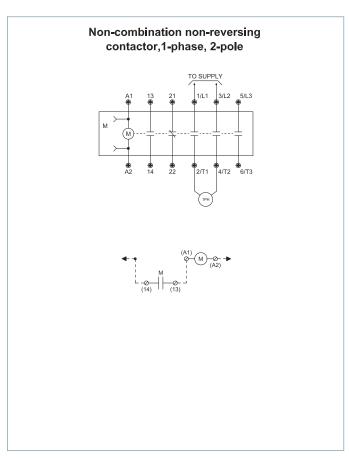
 $Sxx = Frame\ size;\ NR = Non-reversing;\ R = Reversing \\ Mounting\ screw\ G\ is\ 0.25''. \\ Dimensions\ are\ in\ inches.$

Technical information

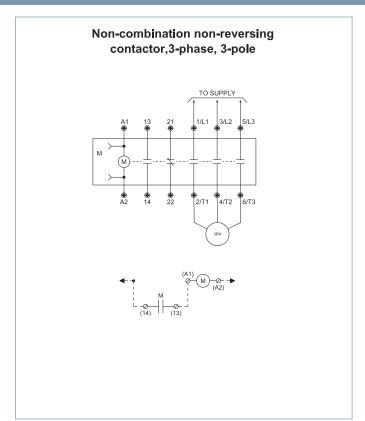


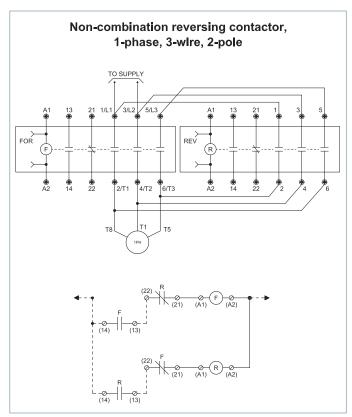


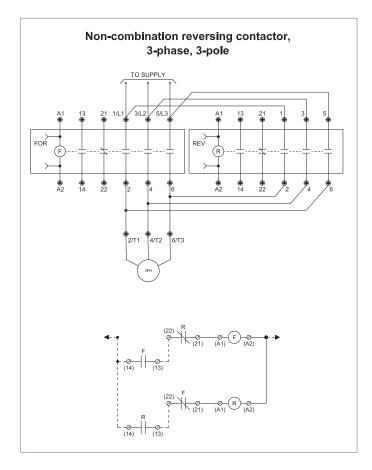




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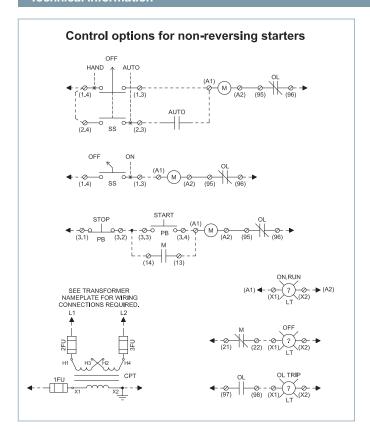


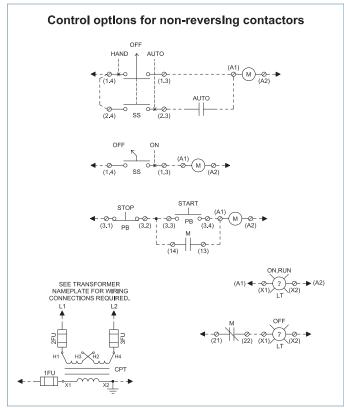


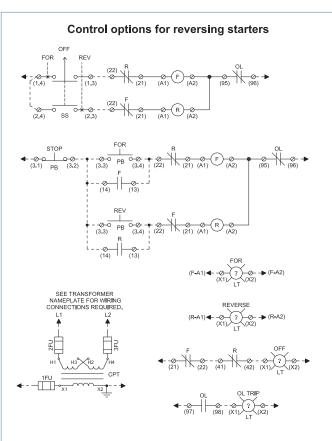


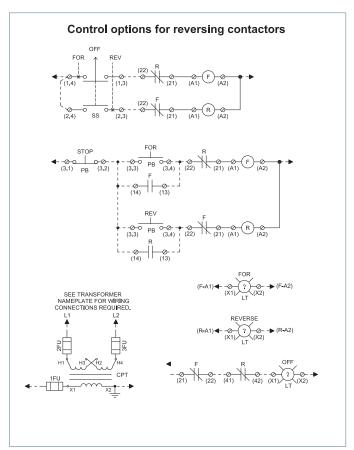
3RE4 Wiring Diagrams

Technical information









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