

IEC CONTACTORS



Description:

3RT01 Contactors Are Available With Cage Clamps On The Main Terminal Connections As Well As The Auxiliary Terminal Connections.

3RT02, 3RT03 and **3RT04** Contactors Are Available With Cage Clamps On The Auxiliary Terminals Only.

Accessories For The **3RT10** Contactors Are Also Available With Cage Clamp Terminals.

** Coil Voltage Codes	ACV 60 Hz	ACV 50 Hz	Code
	24	24	C2 *
	120	110	K6
	208	208	M2
	240	220	P6
	277	---	U6
	480	---	V6
	600	---	T6

* For 3RT101 Use B0

- 4-Point AC Coil Can Be Wired On Top, Bottom Or Diagonally
- Direct Mount 3RU11 Overload Relays To Create Starters
- Snap-On Auxiliary Contacts, Surge Suppressors and Timers
- Front and Side Mount Auxiliary Contacts Available On **3RT102, 3RT103** and **3RT104** Versions
- **3RT1029A** and **12A** Versions Have Extended Electrical Life Compared To **3RT101** Versions

Enclosed Amp Ratings		Single-Phase HP Ratings		Three-Phase HP Ratings				Auxiliary Contacts		Screw Terminals		Cage Clamp Terminals	
AC3	UL	115 V	230 V	200 V	230 V	460 V	575 V	NO	NC	Model Number	List Price	Model Number	List Price
3RT101													
7	20	1/4	3/4	1.5	2	3	5	1	---	3RT1015-1A**1	\$135.50	3RT1015-2A**1	\$147.81
								---	1	3RT1015-1A**2	\$135.50	3RT1015-2A**2	\$147.81
9	20	1/3	1	2	3	5	7.5	1	---	3RT1016-1A**1	\$177.38	3RT1016-2A**1	\$189.69
								---	1	3RT1016-1A**2	\$177.38	3RT1016-2A**2	\$189.69
12	20	1/2	2	3	3	7.5	10	1	---	3RT1017-1A**1	\$219.26	3RT1017-2A**1	\$231.57
								---	1	3RT1017-1A**2	\$219.26	3RT1017-2A**2	\$231.57
3RT102													
9	35	1/3	1	2	3	5	7.5	---	---	3RT1023-1A**0	\$199.55	3RT1023-3A**0	\$206.94
12	35	1/2	2	3	3	7.5	10	---	---	3RT1024-1A**0	\$258.67	3RT1024-3A**0	\$266.06
17	35	1	3	5	5	10	15	---	---	3RT1025-1A**0	\$298.09	3RT1025-3A**0	\$305.48
25	35	2	3	7.5	7.5	15	20	---	---	3RT1026-1A**0	\$335.04	3RT1026-3A**0	\$342.43
3RT103													
28	35	2	5	7.5	10	20	25	---	---	3RT1033-1A**0	\$384.31	3RT1033-3A**0	\$391.71
32	45	2	5	10	10	25	30	---	---	3RT1034-1A**0	\$423.73	3RT1034-3A**0	\$431.12
40	55	3	7.5	10	15	30	40	---	---	3RT1035-1A**0	\$470.54	3RT1035-3A**0	\$477.93
50	50	3	10	15	15	40	50	---	---	3RT1036-1A**0	\$507.50	3RT1036-3A**0	\$514.88
3RT104													
65	90	5	15	20	25	50	60	---	---	3RT1044-1A**0	\$716.90	3RT1044-3A**0	\$724.29
80	105	7.5	15	25	30	60	75	---	---	3RT1045-1A**0	\$815.44	3RT1045-3A**0	\$822.83
95	105	10	---	30	30	75	100	---	---	3RT1046-1A**0	\$1,115.99	3RT1046-3A**0	\$1,123.38

IEC CONTACTORS

SIRIUS 3RT10 3-POLE WITH AC/DC COIL

Features:

3RT105* Through 3RT107*

- Easy Access Plug-In AC/DC Coil System
- Integrated Varistor Surge Suppressor
- Direct Mount 3RB10 Solid State Overload Relay To Create Starter
- Snap-On Auxiliary Contacts, Surge Suppressors and Timers *
- Front and Side Mounted Auxiliary Contacts From Sizes 3RT102 Through 3RT107 *

* Contact Sales Office

** Coil Voltage Codes A/DC	AC (40 Hz To 60 Hz) and DC		Code
	23 To 26		B3
	42 To 48		D3
	110 To 127		F3
	200 To 220		M3
	220 To 240		P3
	240 To 227		U3
	380 To 420		V3
	440 To 480		R3
	500 To 550		S3
575 To 600		T3	

Replace The ** In The Contactor Model Number With A Coil Code From The Table Above

Enclosed Amp Ratings		Three-Phase HP Ratings				Auxiliary Contacts		Model Number	List Price
AC-3	AC-1	200V	230V	460V	575V	NO	NC		
3RT105									
115	160	40	50	100	125	2	2	3RT1054-6A**6	\$1,207.63
150	185	50	60	125	150	2	2	3RT1055-6A**6	\$1,737.51
185	215	60	75	150	200	2	2	3RT1056-6A**6	\$2,316.67
3RT106									
225	275	75	75	150	200	2	2	3RT1064-6A**6	\$2,538.48
265	330	75	100	200	250	2	2	3RT1065-6A**6	\$2,883.48
300	330	100	125	250	300	2	2	3RT1066-6A**6	\$3,930.90
3RT107									
400	430	125	150	300	400	2	2	3RT1075-6A**6	\$4,473.13
500	610	150	200	400	500	2	2	3RT1076-6A**6	\$11,903.69

IEC OVERLOAD RELAYS

SIRIUS 3RB10 SOLID STATE

Features:

- 1 NO and 1 NC Auxiliary Contacts
- Manual / Automatic RESET
- Trip Indicator
- STOP Button
- Test Function
- Sealable Cover

- (1) Overload Contains Pass Through Windows
- (2) Overload Has Busbar Connections



For Contactor Type	Setting Range Amps	Manual / Automatic Reset			
		Class 10		Class 20	
		Model Number	Net Price	Model Number	Net Price
3RB205 - For Direct Mounting To 3RT105 Contactors					
3RT1054	50-200	3RB2056-1FW2 (1)	\$241.75	3RB2056-2FW2 (1)	\$241.96
3RT1055	50-200	3RB2056-1FC2 (2)	\$241.75	3RB2056-2FC2 (2)	\$241.96
3RT1056					
3RB206 - For Direct Mounting To 3RT106 and 3RT107 Contactors					
3RT106	55-250	3RB2066-1GC2 (2)	\$268.10	3RB2066-2GC2 (2)	\$268.10
3RT107	160-630	3RB2066-1MC2 (2)	\$354.09	3RB2066-2MC2 (2)	\$351.93

IEC OVERLOAD RELAYS



Description:

The 3RU11 Thermal Overload Relays Up To 100 A Are Designed For Current-Dependent Protection Of Applications With Normal Start-Up Conditions Against Impermissibly High Rises In Temperature As A Result Of Overload Or Phase Failure. An Overload Or Phase Failure Causes The Motor Current To Rise Above The Set Rated Motor Current. This Current Rise Heats up The Bimetal Strips Within The Relay Via Heating Elements Which, In Turn, Operate The Auxiliary Contacts Via A Tripping Mechanism Due To Their Deflection. These Switch The Load Off Via A Contactor. The Switch-Off Time Is Dependent On The Ratio Of Tripping Current To Operational Current and Is Stored In The Form Of A Tripping Characteristic With Long-Term Stability. The "Tripped" State Is Signaled By Means Of A Switching Position Indicator.

Resetting Takes Place Manually Or Automatically After A Recovery Time As Elapsed.

The 3RU11 Thermal Overload Relays Are Environmentally Friendly and Comply With All The Main International Standards and Approvals.

For Contactor Type	Setting Range Amps	Screw Terminal Model Number	List Price
3RU111 - For Direct Mounting To 3RT101 Contactors			
3RT1015 3RT1016 3RT1017	0.11 - 0.16	3RU1116-0AB0	\$142.95
	0.14 - 0.2	3RU1116-0BB0	\$142.95
	0.18 - 0.25	3RU1116-0CB0	\$142.95
	0.22 - 0.32	3RU1116-0DB0	\$142.95
	0.28 - 0.4	3RU1116-0EB0	\$142.95
	0.35 - 0.5	3RU1116-0FB0	\$142.95
	0.45 - 0.63	3RU1116-0GB0	\$142.95
	0.55 - 0.8	3RU1116-0HB0	\$142.95
	0.7 - 1.0	3RU1116-0JB0	\$142.95
	0.9 - 1.25	3RU1116-0KB0	\$142.95
	1.1 - 1.6	3RU1116-1AB0	\$142.95
	1.4 - 2	3RU1116-1BB0	\$142.95
	1.8 - 2.5	3RU1116-1CB0	\$142.95
	2.2 - 3.2	3RU1116-1DB0	\$142.95
	2.8 - 4	3RU1116-1EB0	\$142.95
	3.5 - 5	3RU1116-1FB0	\$142.95
4.5 - 6.3	3RU1116-1GB0	\$142.95	
5.5 - 8	3RU1116-1HB0	\$142.95	
7 - 10	3RU1116-1JB0	\$142.95	
9 - 12	3RU1116-1KB0	\$142.95	
3RU112 - For Direct Mounting To 3RT102 Contactors			
3RT1023 3RT1024 3RT1025 3RT1026	1.8 - 2.5	3RU1126-1CB0	\$147.86
	2.2 - 3.2	3RU1126-1DB0	\$147.86
	2.8 - 4	3RU1126-1EB0	\$147.86
	3.5 - 5	3RU1126-1FB0	\$147.86
	4.5 - 6.3	3RU1126-1GB0	\$147.86
	5.5 - 8	3RU1126-1HB0	\$147.86
	7 - 10	3RU1126-1JB0	\$147.86
	9 - 12.5	3RU1126-1KB0	\$147.86
	11 - 16	3RU1126-4AB0	\$147.86
	14 - 20	3RU1126-4BB0	\$147.86
	17 - 22	3RU1126-4CB0	\$147.86
	20 - 25	3RU1126-4DB0	\$147.86

For Contactor Type	Setting Range Amps	Screw Terminal Model Number	List Price
3RU113 - For Direct Mounting To 3RT103 Contactors			
3RT1033 3RT1034 3RT1035 3RT1036	5.5 - 8	3RU1136-1HB0	\$174.98
	7 - 10	3RU1136-1JB0	\$174.98
	9 - 12.5	3RU1136-1KB0	\$174.98
	11 - 16	3RU1136-4AB0	\$174.98
	14 - 20	3RU1136-4BB0	\$174.98
	18 - 25	3RU1136-4DB0	\$174.98
	22 - 32	3RU1136-4EB0	\$219.34
	28 - 40	3RU1136-4FB0	\$219.34
	36 - 45	3RU1136-4GB0	\$243.97
	40 - 50	3RU1136-4HB0	\$243.97
3RU114 - For Direct Mounting To 3RT104 Contactors			
3RT1044 3RT1045 3RT1046	18 - 25	3RU1146-4DB0	\$253.84
	22 - 32	3RU1146-4EB0	\$253.84
	28 - 40	3RU1146-4FB0	\$253.84
	36 - 50	3RU1146-4HB0	\$278.47
	45 - 63	3RU1146-4JB0	\$278.47
	57 - 75	3RU1146-4KB0	\$303.16
	70 - 90	3RU1146-4LB0	\$352.43
	80 - 100	3RU1146-4MB0	\$446.06

IEC CONTACTORS

AUXILIARY CONTACT BLOCKS

3RH19 Auxiliary Contact Blocks

The 3RH19 Auxiliary Contact Blocks Are Available In 1, 2, 3 and 4-Pole Front Mount Versions and 2-Pole Side Mount Versions. See The Chart Below For Acceptable Contact Configurations.

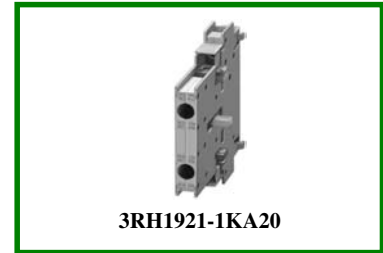
Front Mount Auxiliary Contact Blocks

The 3RH19 Front Mount Auxiliary Contacts Are Rated NEMA A600/Q600. They Are Available In 1, 2, 3 and 4-Pole Versions. The 3RH1911 Contact Blocks Will Mount TO All 3RT1*1 Contactors and All 3RH11 Control Relays. The 3RH1921 Contact Blocks Will Mount TO All 3RT102, 3RT103, 3RT104, 3RT105, 3RT106 and 3RT107 Contactors. Front Mount Auxiliary Contacts Come In Three Main Versions: For Standard Straight Through Wiring (HA, FA, FC, CA), Cable Entry From Below (BA, MA). The Cable Entry From Above Was Designed For Use On Contactors That Have Been Assembled With A 3RU Overload Relay. This Type Of Auxiliary Block Allows The Control Wires To Stay On The Line Side Of The Device,

Eliminating The Need To Run The Wire Around The Overload Relay. The Cable Entry From Below Is For Contactors That Have Been Mounted To A 3RV Motor Starter Protector. This Type Of Block Allows The Control Wires To Stay On The Load Side Of The Device, Eliminating The Need To Run The Wire Around The MSP.

Side Mount Auxiliary Contact Blocks

The 3RH19 Side Mount Auxiliary Contacts Are Rated NEMA A300/Q300. They Are Available In 2-Pole Versions For Snap-On Mounting To 3RT102, 3RT103, 3RT104, 3RT105, 3RT106 and 3RT107 Contactors. The **3RH1921-IEA**** Units Are The Standard Side Mount Contact Blocks. They Can Mount To Either The Left Or Right Hand Side Of The Contactor. The **3RH1921-1KA**** Contact Blocks, On The Other Hand, Are Designed To Mount To The 3RH1921-IEA** Blocks On A 3RT104 Contactor. By Using Both Of These Types Of Contact Blocks, No Terminal Point Will Have The Same Marking.



Contactor Size	Max. Number Of Auxiliary Contacts Total	Max. Number Of Normally Open Contacts	Max. Number Of Normally Closed Contacts	Mounting Position
3RT101	5	5 ⁽¹⁾	3 ⁽²⁾	Front
3RT102	4	4	4	Front and Side
3RT103	4	4	4	Front and Side
3RT104	8	8	4	Front and Side
3RT105	8	4	4	Front and Side
3RT106	8	4	4	Front and Side
3RT107	8	4	4	Front and Side
3RT126 / 3RT127	4	2	2	Side

⁽¹⁾ With 1-NO Contact Built-In To Contactor

⁽²⁾ With 1-NC Contact Built-In To Contactor

IEC CONTACTORS

SIRIUS 3R AUXILIARY CONTACT BLOCKS

Auxiliary Contacts				Screw Terminals		Cage Clamp Terminals	
NO	Early Make NC	Late Break NO	NC	Model Number	List Price	Model Number	List Price
For 3RT1*2, 3RT1*3, 3RT1*4, 3RT1*5, 3RT1*6 and 3RT1*7 Contactors - Front Mount Version - NEMA A600/Q600 Rated							
4-Pole Auxiliary Contact Blocks - Terminals Are Marked With Positions 1 Through 4							
4	---	---	---	3RH1921-1FA40	\$98.59	3RH1921-2FA40	\$108.45
3	1	---	---	3RH1921-1FA31	\$98.59	3RH1921-2FA31	\$108.45
2	2	---	---	3RH1921-1FA22	\$98.59	3RH1921-2FA22	\$108.45
---	4	---	---	3RH1921-1FA04	\$98.59	3RH1921-2FA04	\$108.45
---	---	2	2	3RH1921-1FC22	\$133.09	3RH1921-2FC22	\$142.95
4-Pole Auxiliary Contact Blocks - Acc. To EN50 012							
3	1	---	---	3RH1921-1HA31	\$98.59	3RH1921-2HA31	\$108.45
2	2	---	---	3RH1921-1HA22	\$98.59	3RH1921-2HA22	\$108.45
1	3	---	---	3RH1921-1HA13	\$98.59	3RH1921-2HA13	\$108.45
1-Pole Auxiliary Contact Blocks							
1	---	---	---	3RH1921-1CA10	\$24.63	3RH1921-2CA10	\$27.11
---	1	---	---	3RH1921-1CA01	\$24.63	3RH1921-2CA01	\$27.11
---	---	1	---	3RH1921-1CD10	\$49.27	---	---
---	---	---	1	3RH1921-1CD01	\$49.27	---	---
2-Pole - Cable Entry From Above							
1	1	---	---	3RH1921-1LA11	\$49.27	---	---
2	---	---	---	3RH1921-1LA20	\$49.27	---	---
---	2	---	---	3RH1921-1LA02	\$49.27	---	---
2-Pole - Cable Entry From Below							
1	1	---	---	3RH1921-1MA11	\$49.27	---	---
2	---	---	---	3RH1921-1MA20	\$49.27	---	---
---	2	---	---	3RH1921-1MA02	\$49.27	---	---
4-Pole (1 NO, 1 NC Low Level Circuit - 1 NO, 1 NC Standard Auxiliary)							
2	2	---	---	3RH1921-1FE22	\$194.70	3RH1921-2FE22	\$194.70
For 3RT1*2, 3RT1*3 and 3RT106, 3RT107, 3RT126 and 3RT127 Contactors - First Side Mount - NEMA A300/Q300 Rated							
2-Pole Auxiliary Contact Blocks - Mountable On Either Left Or Right - Acc. To EN50 005							
2	---	---	---	3RH1921-1EA20	\$49.27	3RH1921-2EA20	\$54.23
1	1	---	---	3RH1921-1EA11	\$49.27	---	---
---	2	---	---	3RH1921-1EA02	\$49.27	3RH1921-2EA02	\$54.23
2-Pole Auxiliary Contact Blocks - Mountable On Either Left Or Right - Acc. To EN50 012							
1	1	---	---	3RH1921-1DA11	\$49.27	3RH1921-2DA11	\$54.23
For 3RT1*4 Through 3RT107 Contactors - Second Side Mount - NEMA A300/Q300 Rated							
2-Pole Auxiliary Contact Blocks - Mountable Onto A First Position Auxiliary On Either Left Or Right (Only On 3RT104 Types) - Acc. To EN50 005							
2	---	---	---	3RH1921-1KA20	\$49.27	3RH1921-2KA20	\$54.23
1	1	---	---	3RH1921-1KA11	\$49.27	---	---
---	2	---	---	3RH1921-1KA02	\$49.27	3RH1921-2KA02	\$54.23
2-Pole Auxiliary Contact Blocks - Mountable Onto A First Position Auxiliary On Either Left Or Right (Only On 3RT104 Through 3RT107 Types) - Acc. To EN50 012 (1)							
1	1	---	---	3RH1921-1JA11	\$49.27	3RH1921-2JA11	\$54.23

(1) Can Only Be Used If No 4-Pole Auxiliary Contact Blocks Are Snapped Onto The Front

