

Factory Modifications

Power Line Voltage and Control Circuit Options

Selection

Power Line Voltage Selection		Append to Catalogue Number i.e.: V4AB15K1E_ _						
		120V	200V	230V	460V	575V	600V Max.	Other
Single Phase, 60HZ (L1, N)	Suffix	1	-	-	-	-	-	-
Single Phase, 60Hz (L1, L2)		-	-	7	-	-	-	-
Three Phases, 60Hz (L1, L2, L3)		-	2	3	4	5	-	-
Three Phases, 60Hz (L1, L2, L3, N), 4-wire (Neutral)		-	8	-	-	-	-	-
Three Phases, 600V Max, 60Hz(L1, L2, L3)		-	-	-	-	-	6	-
Specify voltage, frequency, No. of phase & neutral if required		-	-	-	-	-	-	3

Note: Power line voltage is an important data to be known in order to provide a starter properly connected for single phase or three phase load.

Control Circuit Selection

Power Line Voltage Selection	Append to Catalogue Number i.e.: V4AB15K1E_ _	
	Contactors Reference No.	Suffix
Separate Control Circuit, Unfused		0
Separate Control Circuit, Fused, 1 fuse max. 250V		N
1 Control Fuse, max. 250V		P
2 Control Fuses, max. 600V		L
Control Circuit Transformer: Standard Standard Standard Standard for Starter Type Prim./Sec. Voltage		
FVNR } FVR } 2S2W } 2SW }	208/120 230/120 460/120 575/120	R R R R
Control Circuit Transformer: Extra Capacity May require larger enclosure Consult Siemens	additional 50VA 100VA	U W
Special transformer voltages Specify		9

Factory Modifications

Circuit Breaker Combination, Constant or Variable Torque

Selection

Additional Auxiliary Contacts

Append to Catalogue Number ie: V4AB15K1E5R_		
The max. allowable number of auxiliary contacts per contactor is 4 except for contactor 15/16/17 which can accept 5	Suffix	
Std. auxiliary contacts as per starter selection table	0	Option Available for contactors type: 15 / 16 / 17 Other contactors will come equipped as standard with 2NO+2NC
Addition of: 2 N.O. 2 N.C. 4 N.O. 3 N.O. + 1 N.C. 2 N.O. + 2 N.C.	L F K E J M	

Pilot Devices – Operators

Legend Plates are supplied as standard with Operators

Append to Catalogue Number i.e.: V4AB30K1E5R0_ _					
Operator Description	First Suffix ^①	EEMAC Enclosure Type	English Legend	Second Suffix	French Legend
None	0	1/12 4	–	–	–

Pushbutton

1 pushbutton momentary	extended head red 1 N.C.	1 (2)	1/12 4	EMERGENCY STOP STOP	A B	ARRET D'URGENCE ARRET
twist lock maintained	mushroom red 1 N.C.	3 (4)	1/12 4	EMERGENCY STOP	A	ARRET D'URGENCE
2 pushbuttons momentary	1 - red 1 N.C. 1 - green 1 N.O.	5 (6)	1/12 4	START STOP ON OFF	C D	MARCHE ARRET EN HORS
3 pushbuttons momentary	1 - red 1 N.C. E 2 - black each 1 N.O.	7 (8)	1/12 4	FORWARD REVERSE STOP HIGH LOW STOP UP DOWN STOP FAST SLOW STOP OPEN CLOSE STOP	E F G H J	AVANT ARRIERE ARRET HAUTE BASSE ARRET EN HAUT EN BAS ARRET VITE LENTEMENT ARRET OUVRIR FERMER ARRET

① When ordering French legend plates use the "first suffix" in brackets.

Factory Modifications

Power Line Voltage and Control Circuit Options

Selection

Pilot Devices – Operators (continued)

Legend Plates are supplied as standard with Operators

Append to Catalogue Number i.e.: V4AB30K1E5R0_ _					
Operator Description	First Suffix ^①	EEMAC Enclosure Type	English Legend	Second Suffix	French Legend

2-position selector switch

2 position selector switch maintained	1 N.O.	A (B)	1/12 4	STOP START OFF ON HAND AUTO FOR REV HIGH LOW UP DOWN FAST SLOW OPEN CLOSE LOCAL REMOTE	K L M N P Q R S T	ARRET MARCHE HORS EN MAN AUTO AVANT ARRIERE HAUTE BASSE HAUT BAS VITE LENT OUVRIR FERMER LOCAL A DIST.
2 position selector switch spring return	1 N.O.	C (D)	1/12 4			
2 position selector switch key operated maintained	1 N.O.	E (F)	1/12 4			

3-position selector switch

3 position selector switch maintained	2 x 1 N.O.	G (H)	1/12 4	HAND OFF AUTO FOR OFF REV HIGH OFF LOW UP OFF DOWN FAST OFF SLOW OPEN OFF CLOSE LOCAL OFF REMOTE TEST OFF AUTO	1 2 3 4 5 6 7 8	MAN ARRET AUTO AVANT ARRET ARRIERE HAUTE ARRET BASSE HAUT ARRET BAS VITE ARRET LENT OUVRIR ARRET FERMER LOCAL HORS A DIST. ESSAI ARRET AUTO
3 position selector switch 1 spring return from both sides	2 x 1 N.O.	J (K)	1/12 4			
3 position selector switch key operated maintained	2 x 1 N.O.	L (M)	1/12 4			
3 position selector switch key operated spring return from both sides	2 x 1 N.O.	N (P)	1/12 4			

2 pushbuttons & 3-position selector switch

3 position selector switch maintained c/w START STOP pushbuttons momentary green	2 x 1 N.O. 1 N.C. 1 N.O.	T (U)	1/12 4	HAND OFF AUTO for selector switch and START STOP for pushbutton	X	MAN ARRET AUTO for selector switch and MARCHE ARRET for pushbuttons
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Pilot Devices – Indicators

Append to Catalogue Number i.e.: V4AB15K1E5R05C_ _ _		
Pilot Lights Description	First Suffix ^①	Enclosure Type
No Pilot Lights	0	1/4/12
Full Voltage c/w legend plate(s) 120V incandescent	1 (2)	1/12 4
Full Voltage 24V incandescent	3 (4)	1/12 4
LED c/w legend plate(s) 120V extended life	5 (6)	1/12 4
LED c/w legend plate(s) 24V extended life	7 (8)	1/12 4
Full Voltage without legend plate(s) 120V incandescent	A	1/12 4
Full Voltage without legend plate(s) 24V incandescent	B	1/12 4
LED without legend plate(s) 120V extended life	C	1/12 4
LED without legend plate(s) 24V extended life	D	1/12 4

① When ordering French legend plates use the "first suffix" in brackets.

Factory Modifications

Pilot Device Options

Selection

Pilot Lights

Legend Plates and Lens Colours

Table A - One Pilot Light								
LEGEND PLATES			LEGEND COLOURS					Other Specify
English	French		Red	Yellow	Green	Blue		
RUN ON OFF O/L TRIPPED READY Other Legend Plates Specify	MARCHE EN CIRCUIT ARRÊT SURCHARGE PRÊT	Suffix	1C	1D	1E	-		19
			2C	2D	2E	-		29
			3C	3D	3E	-		39
			4C	4D	-	-		49
			5C	5D	5E	5F		59
			9C	9D	9E	9F		99

Table B - Two Pilot Lights									
LEGEND PLATES			LEGEND COLOURS					Other Specify	
English	French		Red Red	Green Green	Red Yellow	Red Green	Green Red		Green Yellow
RUN ■ OFF ON ■ OFF RUN ■ O/L TRIPPED ON ■ O/L TRIPPED FORWARD ■ REVERSE FAST ■ SLOW UP ■ DOWN HIGH ■ LOW Other Legend Plates Specify	MARCHE ■ ARRÊT EN CIRCUIT ■ ARRÊT MARCHE ■ SURCHARGE EN CIRCUIT ■ SURCHARGE AVANT ■ ARRIERE VITE ■ LENTEMENT EN HAUT ■ EN BAS HAUT ■ BAS	Suffix	-	-	-	64	65	-	69
			-	-	-	74	75	-	79
			-	-	83	-	85	86	89
			-	-	A3	-	A5	A6	A9
			B1	B2	-	B4	B5	-	B9
			C1	C2	-	C4	C5	-	C9
			D1	D2	-	D4	D5	-	D9
			E1	E2	-	E4	E5	-	E9
			91	92	93	94	95	96	99

Table B - Three Pilot Lights									
LEGEND PLATES			LEGEND COLOURS					Other Specify	
English	French		Red Red Green	Green Green Red	Red Red Yellow	Green Green Yellow	Red Green Yellow		Green Red Yellow
RUN ■ OFF ■ O/L TRIPPED ON ■ OFF ■ O/L TRIPPED FORWARD ■ REVERSE ■ OFF FAST ■ SLOW ■ OFF UP ■ DOWN ■ OFF HIGH ■ LOW ■ OFF FORWARD ■ REVERSE ■ O/L TRIPPED FAST ■ SLOW ■ O/L TRIPPED UP ■ DOWN ■ O/L TRIPPED HIGH ■ LOW ■ O/L TRIPPED Other Legend Plates Specify	MARCHE ■ ARRÊT ■ SURCHARGE EN CIRCUIT ■ ARRÊT ■ SURCHARGE AVANT ■ ARRIERE ■ ARRÊT VITE ■ LENTEMENT ■ ARRÊT EN HAUT ■ EN BAS ■ ARRÊT HAUT ■ BAS ■ ARRÊT AVANT ■ ARRIERE ■ SURCHARGE VITE ■ LENTEMENT ■ SURCHARGE EN HAUT ■ EN BAS ■ SURCHARGE HAUT ■ BAS ■ SURCHARGE	Suffix	-	-	-	-	FN	FP	F9
			-	-	-	-	GN	GP	G9
			HK	HJ	-	-	-	-	H9
			JK	JJ	-	-	-	-	J9
			KK	KJ	-	-	-	-	K9
			LK	LJ	-	-	-	-	L9
			-	MJ	ML	MM	MN	MP	M9
			-	NJ	NL	NM	NN	NP	N9
			-	PJ	PL	PM	PN	PP	P9
			-	RJ	RL	RM	RN	RP	R9
			9K	9J	9L	9M	9N	9P	99

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LOW VOLTAGE
MOTOR STARTERS

Factory Modifications

Pilot Device Options

Selection

Miscellaneous Options:

Specify by suffix and description as required.

Append to Catalogue No i.e.: V4AB15K1E5R05C165-Z _ _ _ _ _

Description	Suffix
Disconnect Devices Auxiliary Contacts, not wired Fusible or Non-Fusible Disconnect Switch	1 N.O. & 1 N.C. AX 2 N.O. & 2 N.C. AY
Circuit Breaker	1 SPDT AW 2 SPDT AX 1 SPDT & 1 Alarm SPDT AY
Metering ^① Installed & wired, EEMAC Type 1 & 12 Ammeter, 3-1/2" Panel Type c/w one 5A sec. CT One extra CT Two extra CT's Voltmeter, 3-1/2" Panel Type c/w One 0-750V Pt fused 3-Phase Selector Switch Elapsed Time Meter ME Phase Failure and Phase Sequence Monitoring Relay	MA M0 MT MV MS ME MD
Control Relays and Timers ^① 4 Pole Relay, A600 2 N.O. & 2 N.C. not wired 3 N.O. & 1 N.C. not wired 4 N.O. not wired	K2 K5 K3 K6 K4 K7
Time Delay Relays ^① 1-SPDT, B300, max 240V AC coil ON-Delay adj. up to 100s not wired OFF - Delay adj. up to 100s not wired	S1 S2 S3 S4
Thermistor Tripping Unit ^① max. 240V AC coil, installed and wired Auto Reset Manual Reset	HA HM
Surge Suppressors for Contactors and Control Relays	SX
Wire Markers	WM

Description	Suffix
Cover Gasket available for hinged cover enclosures only (V2, V3, V4)	-
Drip Shield available for hinged cover enclosures only (V2, V3, V4)	DS
Space Heater available for hinged cover enclosures only (V2, V3, V4)	SH
Identification Name Plate Lamacoid 1-25 characters 25-50 characters	N1 N2
EEMAC Type 4 Enclosure change 4th digit in Starter Type No. from "B" to "D"	-
EEMAC Type 4X Enclosure change 4th digit in Starter Type No. from "B" to "F" and add to EEMAC Type 1 price Stainless Steel (specify) Fiberglass (specify)	-

Fuse Clips:

All Fusible Disconnect Combination Starters are supplied with Form II C fuse clips as standard.

Fuse Clip Size	Form IJ
	Suffix
30A 60A 100A 200A	PJ

Terminal Blocks

Description	Class	Suffix
Wired 3 point terminal Wired 6 point terminal Wired 9 point terminal	All	T3 T6 T9
Un-wired 3 point terminal Un-wired 6 point terminal Un-wired 9 point terminal		TC TF TI

^① Option may require larger enclosure.
Consult Siemens.

Contactors and Contactor Assemblies

Gold, Silver and Bronze Starter Packages

Selection

Siemens SIRIUS

Pre-assembled starter packages are the simple way to order starters:

- 50HP, 600V max, combination and non-combination
- Standard 1NO contact up to 10HP, 2NO+2NC contacts from 15-50 HP
- Ambient 60°C on contactors
- Fast and simple 3-prong overload/contactor connection: no coil extension required
- Standard primary and secondary fusing on control transformers
- Standard Metal 22mm SIRIUS Control Devices

SIRIUS GOLD, SILVER AND BRONZE

Starter Packages offer these standard features:

GOLD

- 50 VA 600/120V control transformer
- 3 pos. selector switch H.O.A.
- Pilot light 120V red

SILVER

- 50 VA 600/120V control transformer
- Start/Stop pushbuttons
- Pilot light 120V red

BRONZE

- No control transformer
- No pilot devices



Siemens modular line of quality Motor Control Products meets and exceeds international standards and are built to serve global markets. Here's why choosing a package is the smarter way to select a starter:

Saves Time

No more lengthy navigating through product catalogues! **GOLD, SILVER** and **BRONZE** starters offer an easy 2 step approach to selecting your starter.

1. Select the starter based on Horsepower (HP) and Line Voltage.
2. Select the appropriate overload relay.

Then it's ready to install. All this convenience is now available off your distributor's shelves.

Saves Money

This unique solution for the industry's most popular full voltage non-reversing starters is competitively priced compared to other custom-engineered starters.

Saves Hassle

Ease of selection. Off the shelf availability. Competitive pricing. It's easy to see why **GOLD, SILVER** and **BRONZE** packages are the ideal solution. For serious performance and serious convenience, take a SIRIUS approach to starters.

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LOW VOLTAGE
MOTOR STARTERS

Contactors and Contactor Assemblies

Gold, Silver and Bronze Starter Packages

Selection

Non-Combination Starter Package
Selection EEMAC Type 1 Enclosed

Catalogue Number	Pilot Devices	Control Transformer w/ Primary and Secondary fuses	CSA Maximum HP Rating				Contactor Reference Number	Enclosure Reference Number
			3 phase					
			208V	240V	480V	600V		
GOLD3R-5-600 GOLD3R-3-480 GOLD3R-2-240 GOLD3R-1.5-208	3 Position Selector Switch & Pilot Light	Included 120V sec.	1 1/2	2	3	5	15	V0
GOLD3R-7.5-600 GOLD3R-5-480 GOLD3R-3-240 GOLD3R-2-208	3 Position Selector Switch & Pilot Light	Included 120V sec.	2	3	5	7 1/2	16	V0
GOLD3R-10-600 GOLD3R-7.5-480 GOLD3R-3-240 GOLD3R-3-208	3 Position Selector Switch & Pilot Light	Included 120V sec.	3	3	7 1/2	10	17	V0
GOLD3R-15-600 GOLD3R-10-480 GOLD3R-5-240 GOLD3R-5-208	3 Position Selector Switch & Pilot Light	Included 120V sec.	5	5	10	15	25	V1
V1AB26K005R0G111C V1AB33K005R0G111C V1AB34K005R0G111C V1AB35K005R0G111C V1AB36K005R0G111C	3 Position Selector Switch & Pilot Light	Included 120V sec.	-	-	-	20 25 30 40 50	26 33 34 35 36	V1 V1 V1 V1 V1
SILVER3R-5-600 SILVER3R-3-480 SILVER3R-2-240 SILVER3R-1.5-208	Start/Stop Pushbuttons & Pilot Light	Included 120V sec.	1 1/2	2	3	5	15	V0
SILVER3R-7.5-600 SILVER3R-5-480 SILVER3R-3-240 SILVER3R-2-208	Start/Stop Pushbuttons & Pilot Light	Included 120V sec.	2	3	5	7 1/2	16	V0
SILVER3R-10-600 SILVER3R-7.5-480 SILVER3R-3-240 SILVER3R-3-208	Start/Stop Pushbuttons & Pilot Light	Included 120V sec.	3	3	7 1/2	10	17	V0
SILVER3R-15-600 SILVER3R-10-480 SILVER3R-5-240 SILVER3R-5-208	Start/Stop Pushbuttons & Pilot Light	Included 120V sec.	5	5	10	15	25	V1
V1AB26K005R05D11C V1AB33K005R05D11C V1AB34K005R05D11C V1AB35K005R05D11C V1AB36K005R05D11C	Start/Stop Pushbuttons & Pilot Light	Included 120V sec.	-	-	-	20 25 30 40 50	26 33 34 35 36	V1 V1 V1 V1 V1
BRONZE3R-5-600 BRONZE3R-7.5-600 BRONZE3R-10-600 BRONZE3R-15-600	None	None	1 1/2 2 3 5	2 3 3 5	3 5 7 1/2 10	5 7 1/2 10 15	15 16 17 25	V0 V0 V0 V1
V1AB25K00600 V1AB26K00600 V1AB33K00600 V1AB34K00600 V1AB35K00600 V1AB36K00600	None	None	5 7 1/2 7 1/2 10 10 15	5 7 1/2 10 10 15 15	10 15 20 25 30 40	15 20 25 30 40 50	25 26 33 34 35 36	V1 V1 V1 V1 V1 V1

LOW VOLTAGE
MOTOR STARTERS
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Contactors and Contactor Assemblies

Gold, Silver and Bronze Starter Packages

Selection

Fusible Combination Starter Package Selection EEMAC Type 1 Enclosed

Catalogue Number	Pilot Devices	Control Transformer w/ Primary and Secondary fuses	CSA Maximum HP Rating				Contactor Reference Number	Enclosure Reference Number
			3 phase					
			208V	240V	480V	600V		
V4AB17K005R0G111CP V4AB26K005R0G111CP V4AB34K005R0G111CP V4AB35K005R0G111CP V4AB36K005R0G111CP	3 Position Selector Switch & Pilot Light	Included 120V sec.	-	-	-	10 20 30 40 50	17 26 34 35 36	V2 V2 V2 V2 V2
V4AB17K005R05D11CP V4AB26K005R05D11CP V4AB34K005R05D11CP V4AB35K005R05D11CP V4AB36K005R05D11CP	2 Push Buttons & Pilot Light	Included 120V sec.	-	-	-	10 20 30 40 50	17 26 34 35 36	V2 V2 V2 V2 V2
V4AB15K006000 V4AB15K006000PD V4AB16K006000 V4AB16K006000PD V4AB17K006000 V4AB17K006000PD V4AB25K006000 V4AB25K006000PD V4AB26K006000 V4AB26K006000PD	None	None	1 1/2 1 1/2 2 2 3 7 1/2 5 5 7 1/2 7 1/2	2 2 3 3 3 7 1/2 5 5 7 1/2 7 1/2	3 3 5 5 7 1/2 7 1/2 10 10 15 15 20 15	5 5 7 1/2 10 10 15 15 20 20	15 15 16 16 17 17 25 25 26 26	V0 V2 V2 V2 V2 V2 V2 V2 V2 V2

Overload Relay Selection Chart

FLA Adjustment Range Amps	Catalogue Number		
	15/16/17	25/26	33/34/35/36
0.11-0.16	3RU1116-0AB0	-	-
0.14-0.2	3RU1116-0BB0	-	-
0.18-0.25	3RU1116-0CB0	-	-
0.22-0.32	3RU1116-0DB0	-	-
0.28-0.4	3RU1116-0EB0	-	-
0.35-0.5	3RU1116-0FB0	-	-
0.45-0.63	3RU1116-0GB0	-	-
0.55-0.8	3RU1116-0HB0	-	-
0.7-1	3RU1116-0JB0	-	-
0.9-1.25	3RU1116-0KB0	-	-
1.1-1.6	3RU1116-1AB0	-	-
1.4-2	3RU1116-1BB0	-	-
1.8-2.5	3RU1116-1CB0	3RU1126-1CB0	-
2.2-3.2	3RU1116-1DB0	3RU1126-1DB0	-
2.8-4	3RU1116-1EB0	3RU1126-1EB0	-
3.5-5	3RU1116-1FB0	3RU1126-1FB0	-
4.5-6.3	3RU1116-1GB0	3RU1126-1GB0	-
5.5-8	3RU1116-1HB0	3RU1126-1HB0	3RU1136-1HB0
7-10	3RU1116-1JB0	3RU1126-1JB0	3RU1136-1JB0
9-12	3RU1116-1KB0	-	-
9-12.5	-	3RU1126-1KB0	3RU1136-1KB0
11-16	-	3RU1126-4AB0	3RU1136-4AB0
14-20	-	3RU1126-4BB0	3RU1136-4BB0
17-22	-	3RU1126-4CB0	-
18-25	-	-	3RU1136-4DB0
20-25	-	3RU1136-4DB0	-
22-32	-	-	3RU1136-4EB0
28-40	-	-	3RU1136-4FB0
36-45	-	-	3RU1136-4GB0
40-50	-	-	3RU1136-4HB0

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LOW VOLTAGE
MOTOR STARTERS

Dimensions

Selection

Magnetic Starters

Figure 1		Non-Combination Starter EEMAC Type 1 (Lift-Off Cover)								
		Width	Height	Depth	Mfg.-Holes					No. of Holes
		A	B	C	D	E	F	G	H	
V0	MM	161.70	244.7	146	110.3	174	–	25.7	–	3
	INCH	6.37	9.64	5.75	4.34	6.85	–	1.01	–	
V1	MM	241.5	320.9	178.3	187.3	268.1	–	24	–	3
	INCH	9.51	12.64	7.02	7.38	10.55	–	0.95	–	
Figure 2		Non-Combination/Combination Starter EEMAC Type 1								
		Width	Height	Depth	Mfg.-Holes					No. of Holes
		A	B	C	D	E	F	G	H	
V2	MM	264	610	210	140	548	127	28	57	3
	INCH	10.39	24	8.25	5.5	21.58	5	1.1	2.25	
V3	MM	410	640	209.6	280	578	–	28	60	4
	INCH	16.14	25.2	8.25	11	22.76	–	1.1	2.36	
V4	MM	510	900	279.6	380	838	–	28	60	4
	INCH	20.08	35.43	11.01	14.96	32.99	–	1.1	2.36	
Figure 3		Non-Combination Starter EEMAC Type 12								
		Width	Height	Depth	Mfg.-Holes					No. of Holes
		A	B	C	D	E	F	G	H	
S	MM	254	304.8	203.2	203.2	323.85	–	93.53	25.46	4
	INCH	10	12	8	8	12.75	–	0.38	1	
Figure 4		Non-Combination/Combination Starter EEMAC Type 12								
		Width	Height	Depth	Mfg.-Holes					No. of Holes
		A	B	C	D	E	F	G	H	
H2	MM	254	610	209.6	165	648	127	12	44.5	3
	INCH	10	24	8.25	6.5	25.51	5	0.47	1.75	
H3	MM	400	640	209.6	311	678	200	12	44.5	3
	INCH	15.75	25.2	8.25	12.24	26.69	7.87	0.47	1.75	
H5	MM	500	900	280	411	955.35	–	25	44.5	4
	INCH	19.69	35.43	11.02	16.18	37.61	–	0.98	1.75	

Note: All dimensions shown for reference purpose only.
Not to be used for construction purposes.