



EXCP

Combination & Non-Combination Line Starters



Applications:

EXCP hinged cover motor control enclosures are used:

- For general motor control & circuit protection - indoors & outdoors - in damp, wet, dirty, dusty hazardous locations without the need for a protective shelter
- In areas where frequent washdowns are necessary or where heavy rain or water spray is prevalent
- For across-the-line starting, stopping, speed changing & reversing of polyphase AC induction motors
- To provide line disconnect means & short circuit protection
- To provide motor overload & undervoltage protection
- For service entrance, feeder or branch circuit protection for lighting, heating, appliance & motor circuits
- On switch racks or other assemblies where it's desired that motor control be centrally located

Features:

- Rugged, corrosion resistant, cast copper-free aluminum construction
- Circuit breaker handle with lock out tag out (for combo starters only)
- Total compliance to the wiring bend room requirements of the National Electrical Code*/Canadian Electrical Code
- Circuit breaker motor circuit protector external operating handle can be padlocked in either "ON" or "OFF" positions

- NEMA 4 watertight cover gasket permanently attached to the cover seals out moisture
- Bodies have top & bottom drilled & tapped entrances for power conduits plus one at the bottom for control conduit.
- Tap-on mounting feet - Retro fit mounting hardware kits are made for the EXCP line enclosures to mount directly in the same footprint as the listed manufacturer.
- Optional EXCP control devices may be added to enclosure cover

Certifications & Compliances:

- NEC/CEC:
- Class I, Division 1 & 2, Groups B, C, D
- Class II, Division 1 & 2, Groups E, F, G
- Class III
- UL Standard 1203
- cUL to CSA C22.2 No. 30, No. 25
- NEMA Type 3, 3R, 4, 7BCD, 9EFG

Standard Materials:

- Body & cover - Copper free aluminum
- Gasket - Neoprene
- Cover bolts
- Hinges - Aluminum

Electrical Ratings Range:

- Motor starters - NEMA/EEMAC sizes 0-6
- Circuit breakers - 100, 150, 225, 250, 400, 600, 800, 1200 ampere frame sizes
- Motor circuit protectors - 150, 250, 400 ampere frame sizes 1000 Ampere Frame (max. 800 ampere trip)

Features, Benefits & Functions:

- Designed specifically for use in applications requiring NEMA ratings. Contactors meet or exceed NEMA standards ICS 2-1993
- Long life twin break, silver cadmium oxide contacts—provide excellent conductivity & superior resistance to welding & arc erosion
- Designed to 3,000,000 electrical operations at maximum hp ratings up through 25 hp at 600V

Certifications & Compliances:

- Standard: designed to meet or exceed UL, NEMA, IEC, CSA, VDE & BS
- UL listed: UL File #E1491CSA Certified: CSA File #LR353, Class #321104

EXCP series motor control enclosures with combination line starters:

When specifying any one of the following options with EXCP Motor Controls (J1, J3, PB23, RR2, RR3), we will put standard industry legend plates. If there is a specific legend plate you require it is necessary to Specify Legend Plates for identification & marking on the end of your part number see page 10

Ordering Information:

To order an complete combination starter insert the manufacturer's symbols in the ① & ② of the catalog number. Select from the manufacture listings below. Instantaneous magnetic trip circuit breakers (magnetic circuit interrupters) can be supplied. Consult factory. For combination starters with motor circuit protectors for single speed, non-reversing & reversing motors insert MCP before the ② circuit breaker manufacturer. The standard coil voltage is 120V if not specified. *All EXCP combination & non combination starters will have CPT rated 480v-120/240v.

Catalog Number System Example:

EXCPB1-①-WT3036-W643-④

It is necessary to put a - between the additions to the part number selection. ① Options in this position are additions to the enclosure itself
② Options in this position are modifications to the circuit breaker
③ Options in this position are modifications to the starter
④ Options in this position are modifications to the coil & legend plates



*National Electrical Code is a Registered Trademark of the National Fire Protection Association.



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Catalog Number System EXCPB2-U-#50V34-W-X

Enclosure

Cat #	Description	Cat #	Description
B	Size 0-1 combo	SB	Size 0-1 starter
B	Size 2 combo compact	SD	Size 2 starter
D	Size 2 combo	SG	Size 3-4 starter
G	Size 3 combo	SM	Size 5 starter
E	Size 4 combo	RSC	Size 0-1 reversing starter
M	Size 5 combo	RSD	Size 2 reversing starter
OB	Size 0-1 oversized	RSG	Size 3-4 reversing starter
OD	Size 2 oversized	SRM	Size 5 reversing starter
OE	Size 3-4 oversized		

* O - FOR ROOM TO ADD FUTURE COMPONENTS IN THE FIELD



NEMA Size	
1	4
2	5
3	6

Adder For Other Disconnects:

MCP	Motor circuit protector
FC	Fused disconnect
NF	Non fused disconnect

* STANDARD DISCONNECT IS THERMAL MAG BREAKER

Disconnect AMP Rating

3AMP - 600 AMP

3 Motor Starters Accessories Suffix

* PLACE A DASH (-) BETWEEN EACH OPTION IN THE ORDER LISTED BELOW

Less overload relays (lighting contactor)	CL
Less overload relays (motor contactor)	CM
Starter w/ electronic ground fault overload relay	GF
Additional control contacts, N.O.	S779
Additional control contacts, N.C.	S780
Auxiliary contacts on starter 1 N.O. & 1 N.C	S781
Auxiliary contacts on starter 2 N.O. & 2 N.C	S782
Auxiliary contacts on starter 3 N.O. & 3 N.C	S783
Solid state overload relay	SSOL
BI metallic overload relay	BI
Electronic thermal overload relay	ETOR

EXCP

B

2

1

2

OPTIONAL

50

34

3

4

1 Brand Suffix

* PLACE A DASH (-) BETWEEN EACH OPTION IN THE ORDER LISTED BELOW

Cutler-Hammer	WT
Square D	D

Additions to Circuit Breaker of Fused Non-Fused Disconnect

Ambient compensated circuit breaker trip setting	AC
Auxiliary switch on Circuit Breaker 1A & 1B contacts	S784
Auxiliary switch on Circuit Breaker 2A & 2B contacts	S785
Shunt trip on Circuit Breaker	S87
Bell Alarm on Circuit Breaker	S88

2 Enclosure Modifications & Accessories

Cat

* PLACE A DASH (-) BETWEEN EACH OPTION IN THE ORDER LISTED BELOW

Control circuit transformer, 50VA for NEMA/EEMAC sizes 0-2, 600/480/240-120, 50 / 60 Hertz, with provision for fusing both primary leads & one secondary lead	FTPS50
Control circuit transformer, 100VA for NEMA/EEMAC sizes 0-2, 600/480/240-120, 50 / 60 Hertz, with provision for fusing both primary leads & one secondary lead	FTPS100
Control circuit transformer, 200VA for NEMA/EEMAC size 3-4 600/480/240-120, 50 / 60 Hertz, with provision for fusing both primary leads & one secondary lead	FTPS200
Control circuit transformer, 300VA for NEMA/EEMAC size 5 600/480/240-120, 50 / 60 Hertz, with provision for fusing both primary leads & one secondary lead	FTPS300
Pilot light, 120VAC, red jewel, w/blank indicating plate	J1
Pilot light, 120VAC, green jewel, w/blank indicating plate	J3
LED pilot lights (in place of standard incandescent lamps)	LED
Pilot light push to test, 120VAC, Red or Green *R or G	J3PT
Start-stop pushbuttons	PB23
Red pushbutton	PB24
Green pushbutton	PB25
On-off selector switch	RR2
Hand-off-auto selector switch	RR3
Emergency stop maintained	EMS
Space heater, 120 Volt, 25 Watts	R11
Space heater, 240 Volt, 25 Watts	R22
Space heater, 480 Volt, 25 Watts	R44
Automatic reset overload relay	S1
Insulated neutral w/2 connectors	S146
Std. drain, class 1, B,C & D; class 11, E, F & G; class 111	S756
Std. breather & drain, class 1, B, C & D; class 11, E, F & G; class 111	S756V
External epoxy finish	S752
Internal & external epoxy finish	S753
12 Point term. block - 30 amp, 300V	S786
General purpose control relay, 4 pole N.O., contacts rated 10A, 600V, coil 120VAC	GCR
Bell alarm on circuit breaker	BA

Wiring Systems

- 3 - 3 Phase
- 1 - Single Phase

Breaker Voltage

- 2 - 240V
- 4 - 480V
- 6 - 600V

4 AC Coil Suffix symbol

* PLACE A DASH (-) BETWEEN EACH OPTION IN THE ORDER LISTED BELOW

WT	
120/60 or 110/50	A
240/60 or 220/50	B
480/60 or 440/50	C
600/60 or 550/50	D

DC Coil Suffix Symbol

12VDC	F
24VDC	G
48VDC	M
120VDC	P

Legend Plates

* SEE PAGE 8

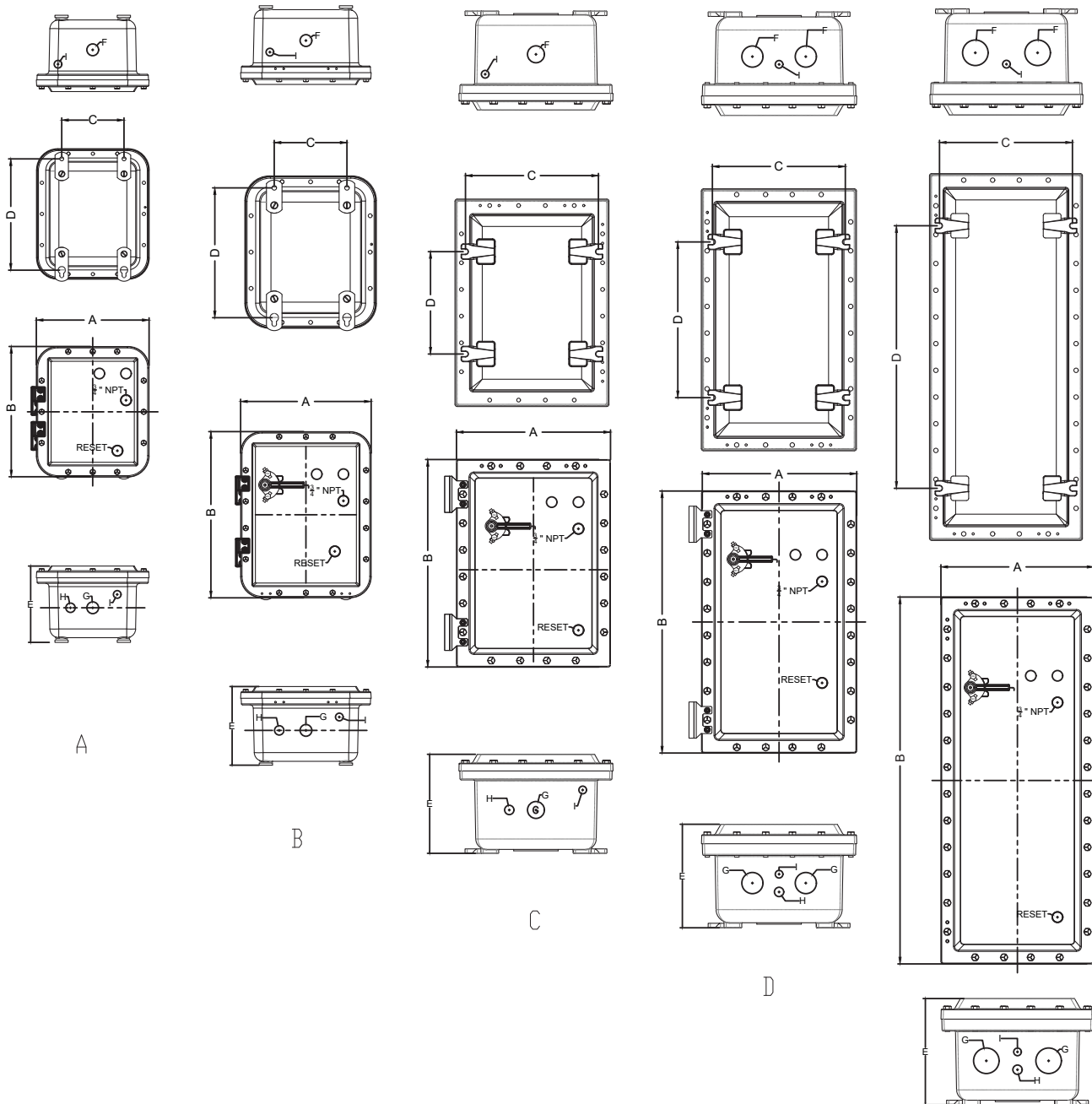


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Enclosure		Nominal inside dimensions			Nominal dimensions in inches						Conduit sizes		
Size/Type	Cat #	FIG#	W	H	D	A	B	C	D	E	F&G	H	I
SIZE 0-1 COMBO		B	10	14	6	14-21/32	18-21/32	13-1/8	13	8-15/32	1"	3/4"	1/2"
SIZE 2 COMBO COMPACT		B	10	14	6	14-7/11	18-21/33	13-1/8	13	8-15/32	1"	3/4"	1/2"
SIZE 2 COMBO		C	12	18	8	17-1/8	23-1/8	14-15/16	12	11-1/8	1-1/2"	3/4"	1/2"
SIZE 3 COMBO		C	12	18	8	17-1/8	23-1/8	14-15/16	12	11-1/8	2-1/2"	3/4"	1/2"
SIZE 4 COMBO		D	12	24	8	17-1/4	29-1/4	14-15/16	18	11-5/8	(2) 2"	3/4"	1/2"
SIZE 5 COMBO		E	18	36	8	23-21/32	41-21/32	22-3/8	30	12-39/64	(2) 2-1/2"	3/4"	1/2"
SIZE 0-1 STARTER		A	8	10	6	12-21/32	14-21/32	11-1/8	9	8-9/16	1"	3/4"	1/2"
SIZE 2 STARTER		A	8	10	6	12-21/32	14-21/32	11-1/8	9	8-9/16	1"	3/4"	1/2"
SIZE 3-4 STARTER		C	12	18	8	17-1/8	23-1/8	14-15/16	12	11-1/8	1-1/2"	3/4"	1/2"
SIZE 5 STARTER		D	12	24	8	17-1/4	29-1/4	14-15/16	18	11-5/8	(2) 2"	3/4"	1/2"
SIZE 0-1 REVERSING STARTER		B	10	14	6	14-21/32	18-21/32	13-1/8	13	8-15/32	1"	3/4"	1/2"
SIZE 2 REVERSING STARTER		B	10	14	6	14-21/32	18-21/32	13-1/8	13	8-15/32	1"	3/4"	1/2"
SIZE 3-4 REVERSING STARTER		D	12	24	8	17-1/4	29-1/4	14-15/16	18	11-5/8	(2) 2"	3/4"	1/2"
SIZE 5 REVERSING STARTER		F	12	36	8	17-1/5	41-2/9	14-7/9	30	12	(2) 2-1/2"	3/4"	1/2"



Single-Speed Non-Reversing & Reversing with Circuit Breakers
3-Pole 60 hertz, 600VAC Maximum

Motor Starter			Circuit Breaker			Enclosure	
Max. Hp	Line	Nema	Amp	Frame	Frame	Without Breaker & Starter	With Breaker & Starter
Polyphase	Volts	Size	Rating	Volts	Types	Cat. #	Cat. #
2	120	0	30	240	EGE	EXCPB	EXCPB0 1 30 2 32 3 4
2	120	0	30	480	EGE	EXCPB	EXCPB0 1 30 2 34 3 4
2	120	0	30	600	EGE	EXCPB	EXCPB0 1 30 2 36 3 4
3	240	0	20	240	EGE	EXCPB	EXCPB0 1 20 2 32 3 4
3	240	0	20	480	EGE	EXCPB	EXCPB0 1 20 2 34 3 4
3	240	0	20	600	EGE	EXCPB	EXCPB0 1 20 2 36 3 4
5	480	0	15	480	EGE	EXCPB	EXCPB0 1 15 2 34 3 4
5	480	0	15	600	EGE	EXCPB	EXCPB0 1 15 2 36 3 4
5	600	0	15	600	EGE	EXCPB	EXCPB0 1 15 2 36 3 4
5	240	1	30	240	EGE	EXCPB	EXCPB1 1 30 2 32 3 4
5	240	1	30	480	EGE	EXCPB	EXCPB1 1 30 2 34 3 4
5	240	1	30	600	EGE	EXCPB	EXCPB1 1 30 2 36 3 4
7 1/2	240	1	50	240	EGE	EXCPB	EXCPB1 1 50 2 32 3 4
7 1/2	240	1	50	480	EGE	EXCPB	EXCPB1 1 50 2 34 3 4
7 1/2	240	1	50	600	EGE	EXCPB	EXCPB1 1 50 2 36 3 4
10	480	1	30	480	EGE	EXCPB	EXCPB1 1 30 2 34 3 4
10	480	1	30	600	EGE	EXCPB	EXCPB1 1 30 2 36 3 4
10	600	1	30	600	EGE	EXCPB	EXCPB1 1 30 2 36 3 4
10	240	2	50	240	EGE	EXCPB	EXCPD2 1 50 2 32 3 4
10	240	2	50	480	EGE	EXCPB	EXCPD2 1 50 2 34 3 4
10	240	2	50	600	EGE	EXCPB	EXCPD2 1 50 2 36 3 4
15	240	2	70	240	EGE	EXCPB	EXCPD2 1 70 2 32 3 4
15	240	2	70	480	EGE	EXCPB	EXCPD2 1 70 2 34 3 4
15	240	2	70	600	EGE	EXCPB	EXCPD2 1 70 2 36 3 4
15	480	2	40	480	EGE	EXCPB	EXCPD2 1 50 2 34 3 4
15	480	2	40	600	EGE	EXCPB	EXCPD2 1 50 2 36 3 4
15	600	2	40	600	EGE	EXCPB	EXCPD2 1 50 2 36 3 4
20	480	2	50	480	EGE	EXCPB	EXCPD2 1 50 2 34 3 4
20	480	2	50	600	EGE	EXCPB	EXCPD2 1 50 2 36 3 4
20	600	2	50	600	EGE	EXCPB	EXCPD2 1 50 2 36 3 4
25	480	2	70	480	EGE	EXCPB	EXCPD2 1 70 2 34 3 4
25	480	2	70	600	EGE	EXCPB	EXCPD2 1 70 2 36 3 4
25	600	2	70	600	EGE	EXCPB	EXCPD2 1 70 2 36 3 4
20	240	3	90	240	EGE	EXCPG	EXCPG3 1 90 2 32 3 4
25	240	3	100	240	EGE	EXCPG	EXCPG3 1 100 2 32 3 4
30	240	3	125	480	EGE	EXCPG	EXCPG3 1 125 2 34 3 4
30	480	3	70	480	EGE	EXCPG	EXCPG3 1 70 2 34 3 4
30	480	3	70	600	EGE	EXCPG	EXCPG3 1 70 2 36 3 4
30	600	3	70	600	EGE	EXCPG	EXCPG3 1 70 2 36 3 4
40	480	3	90	480	EGE	EXCPG	EXCPG3 1 90 2 34 3 4
40	480	3	90	600	EGE	EXCPG	EXCPG3 1 90 2 36 3 4
40	600	3	90	600	EGE	EXCPG	EXCPG3 1 90 2 36 3 4
50	480	3	100	480	EGE	EXCPG	EXCPG3 1 100 2 34 3 4
50	480	3	100	600	EGE	EXCPG	EXCPG3 1 100 2 36 3 4
50	600	3	100	600	EGE	EXCPG	EXCPG3 1 100 2 36 3 4
40	240	4	175	600	FD	EXCPE	EXCPE4 1 175 2 36 3 4
50	240	4	200	600	FD	EXCPE	EXCPE4 1 200 2 36 3 4
60	480	4	125	600	EGE	EXCPE	EXCPE4 1 125 2 36 3 4
60	600	4	100	600	EGE	EXCPE	EXCPE4 1 100 2 36 3 4
75	480	4	150	600	FD	EXCPE	EXCPE4 1 150 2 36 3 4
75	600	4	125	600	EGE	EXCPE	EXCPE4 1 125 2 36 3 4
100	480	4	200	600	FD	EXCPE	EXCPE4 1 200 2 36 3 4
100	600	4	150	600	FD	EXCPE	EXCPE4 1 150 2 36 3 4
125	480	5	225	600	FD	EXCPM	EXCPM5 1 225 2 36 3 4
150	480	5	250	600	KD	EXCPM	EXCPM5 1 250 2 36 3 4
200	480	5	400	600	KD	EXCPM	EXCPM5 1 400 2 36 3 4



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NOTE: EXCP is available up to 200 HP. For HP over 200 contact Spike Electric Controls factory assistance.

Motor Starter Fused Disconnect				Fusible Disconnect Switch		
Max. Hp Polyphase	Line Volts	NEMA Size	Amp Rating	Max. Volts	Switch Type	With Disconnect Switch & Starter Cat. #
5	600	0	30	600	3710-3003	EXCP0FD 1 30J 2 36 3 4
10	600	1	30	600	3710-3003	EXCP1FD 1 30J 2 36 3 4
25	600	2	60	600	3861-3005	EXCP2FD 1 60J 2 36 3 4
30	600	3	100	600	3861-3010	EXCP3FD 1 100J 2 36 3 4
100	600	4	200	600	3861-3020	EXCP4FD 1 200J 2 36 3 4
150	600	5	400	600	3851-3038	EXCP5FD 1 400J 2 36 3 4
200	600	5	400	600	3850-3038	EXCP5FD 1 400J 2 36 3 4

Motor Starter Non-Fused Disconnect				Non-Fused Disconnect Switch		
Max. HP Polyphase	Line Volts	NEMA Size	Amp Rating	Max. Volts	Switch Type	With Disconnect Switch & Starter Cat. #
5	600	0	30	600	22013003	EXCPB0NF 1 30J 2 36 3 4
10	600	1	30	600	22013002	EXCPB1NF 1 30J 2 36 3 4
25	600	2	60	600	22013006	EXCPD2NF 1 60J 2 36 3 4
30	600	3	100	600	22003010	EXCP3NF 1 100J 2 36 3 4
100	600	4	200	600	27003021	EXCP4NF 1 200J 2 36 3 4
150	600	5	400	600	27003041	EXCP5NF 1 400J 2 36 3 4
200	600	5	400	600	27003080	EXCP5NF 1 400J 2 36 3 4

NEMA Size	Without Non-Fused Switch & Starter Cat. #
0	EXCPB NF
1	EXCPB NF
2	EXCPB NF
3	EXCPG NF

NEMA Size	Without Switch & Starter Cat. #
0	EXCPEGB FD
1	EXCPEGB FD
2	EXCPEGB FD
3	EXCPFG FD

Non-Fused Disconnect Switch			
Amp Rating	Max. Volts	Switch Type	With Disconnect Switch & Starter Cat. #
30	600	22013003	EXCPB0NF 1 30J 2 36 3 4
30	600	22013002	EXCPB1NF 1 30J 2 36 3 4
60	600	22013006	EXCPD2NF 1 60J 2 36 3 4
100	600	22003010	EXCP3NF 1 100J 2 36 3 4
200	600	27003021	EXCP4NF 1 200J 2 36 3 4
400	600	27003041	EXCP5NF 1 400J 2 36 3 4
800	600	27003080	EXCP5NF 1 800J 2 36 3 4

NOTE: EXCPS is available up to 400 HP contact Spike Electric Controls factory assistance.





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EXCPS Series Enclosures for Magnetic Line Starters Single Speed Non-Reversing

Motor Starter		Enclosure		
Max. HP Polyphase	Volts	NEMA Size	Without Starter Cat. #	With Starter Cat. #
2	120	0	EXCPSB	EXCPSB 1-3-4
3	120	1	EXCPSB	EXCPSB 1-3-4
3	240	0	EXCPSB	EXCPSB 1-3-4
5	480	0	EXCPSB	EXCPSB 1-3-4
5	600	0	EXCPSB	EXCPSB 1-3-4
7 1/2	120	2	EXCPSD	EXCPSD 1-3-4
7 1/2	240	1	EXCPSB	EXCPSB 1-3-4
10	480	1	EXCPSB	EXCPSB 1-3-4
10	600	1	EXCPSB	EXCPSB 1-3-4
15	120	3	EXCPSG	EXCPSG 1-3-4
15	240	2	EXCPSD	EXCPSD 1-3-4
25	480	2	EXCPSD	EXCPSD 1-3-4
25	600	2	EXCPSD	EXCPSD 1-3-4
30	240	3	EXCPSG	EXCPSG 1-3-4
50	480	3	EXCPSG	EXCPSG 1-3-4
50	600	3	EXCPSG	EXCPSG 1-3-4
50	240	4	EXCPSE	EXCPSE 1-3-4
100	480	4	EXCPSE	EXCPSE 1-3-4
100	600	4	EXCPSE	EXCPSE 1-3-4
100	240	5	EXCPSM	EXCPSM 1-3-4
200	480	5	EXCPSM	EXCPSM 1-3-4

EXCPS Series Enclosures for Magnetic Line Starters Single Speed Reversing

Motor Starter		Enclosure		
Max. HP Polyphase	Volts	NEMA Size	Without Starter Cat. #	With Starter Cat. #
2	120	0	EXCPRSB	EXCPRSB 1-3-4
3	120	1	EXCPRSB	EXCPRSB 1-3-4
3	240	0	EXCPRSB	EXCPRSB 1-3-4
5	480	0	EXCPRSB	EXCPRSB 1-3-4
5	600	0	EXCPRSB	EXCPRSB 1-3-4
7 1/2	120	2	EXCPRSD	EXCPRSD 1-3-4
7 1/2	240	1	EXCPRSB	EXCPRSB 1-3-4
10	480	1	EXCPRSB	EXCPRSB 1-3-4
10	600	1	EXCPRSB	EXCPRSB 1-3-4
15	120	3	EXCPRSG	EXCPRSG 1-3-4
15	240	2	EXCPRSD	EXCPRSD 1-3-4
25	480	2	EXCPRSD	EXCPRSD 1-3-4
25	600	2	EXCPRSD	EXCPRSD 1-3-4
30	240	3	EXCPRSG	EXCPRSG 1-3-4
50	480	3	EXCPRSG	EXCPRSG 1-3-4
50	600	3	EXCPRSG	EXCPRSG 1-3-4
50	240	4	EXCPRSE	EXCPRSE 1-3-4
100	480	4	EXCPRSE	EXCPRSE 1-3-4
100	600	4	EXCPRSE	EXCPRSE 1-3-4
100	240	5	EXCPRSM	EXCPRSM 1-3-4
200	480	5	EXCPRSM	EXCPRSM 1-3-4

NOTE: EXCPS is available up to 400 HP contact
Spike Electric Controls factory assistance.





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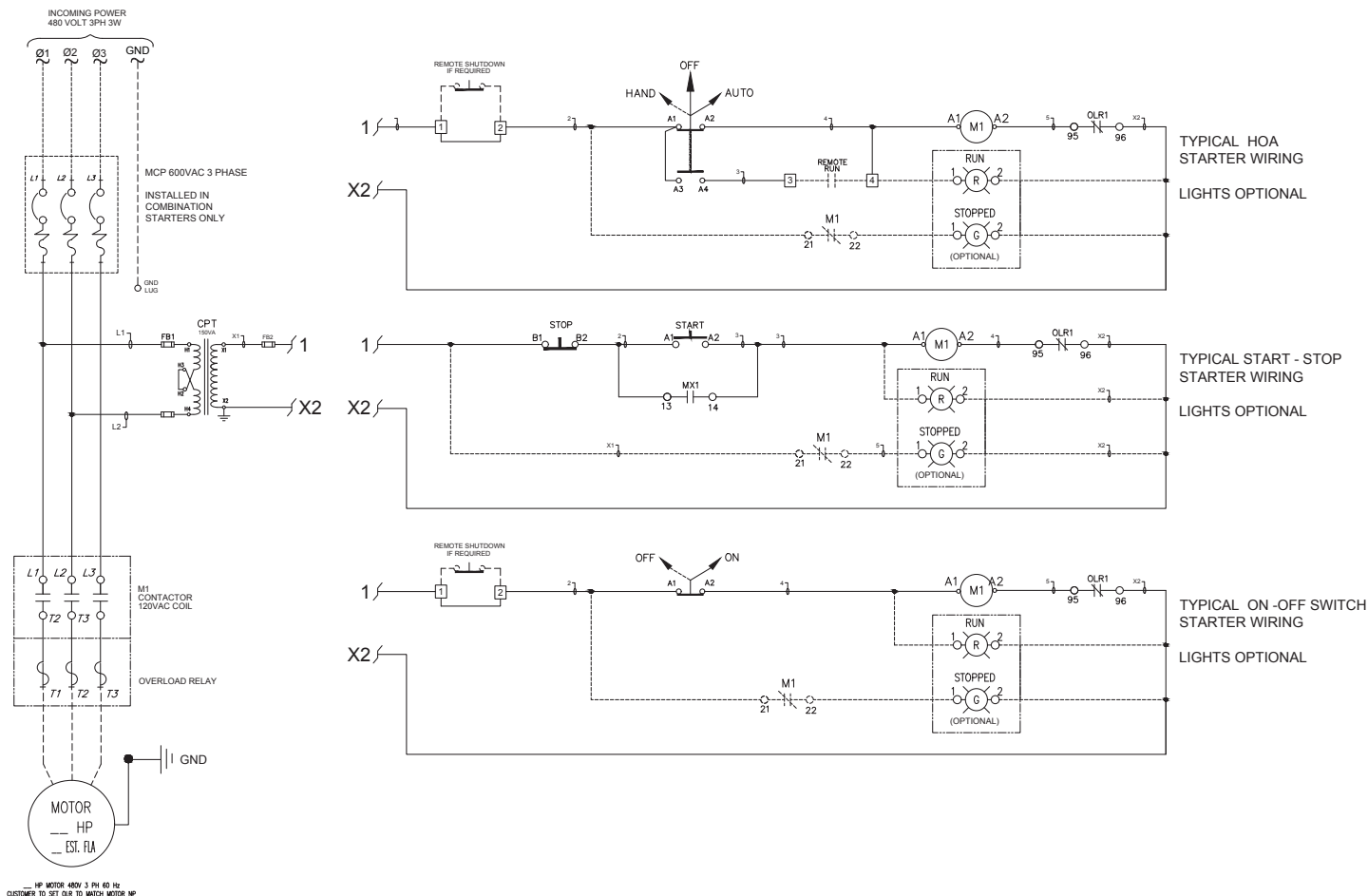
BY

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Standard Wiring Schematic:

NOTES:

- 1) All power wiring/cable will be 600 VAC type THW / THWN or equal.
- 2) All power wiring to be minimum #12 AWG & color to be Black
- 3) All ground conductors to be Green #12 AWG minimum Type THW / THWN
- 4) All control wiring to be sized per the drawings & to be 600 va. Type MTW / THNN or equal minimum #14 AWG. Control wires to be red or gray in color.
- 5) Panel to include grounding lug for customer ground connections. Customer to size grounding conductor per NEC regulations.
- 6) Installer MUST set Overload Relay to match Motor NP Data.





Legend Plates:

If desired markings on indicating plates may be added to catalog number after the coil voltage designation. Put a – after the coil voltage & any legend plates that are selected. Select from the list of standard markings below.

Single Function Legend Plates

Marking	Cat. #
Automatic	DSL16
Blank	DSL01
Blank with single field	DSL02
Close	DSL21
Down	DSL23
Emerg. Stop	DSL17
Fast	DSL46
Forward	DSL18
Hand	DSL15
In	DSL24
Jog	DSL10
Lower	DSL27
On	DSL07
Off	DSL08
Open	DSL20
Out	DSL25
Power On	DSL14
Raise	DSL26
Reset	DSL12
Reverse	DSL19
Run	DSL09
Safe	DSL85
Slow	DSL47
Start	DSL05
Stop	DSL06
Test	DSL13
Trip	DSL11
Up	DSL22

TWO Function Legend Plates

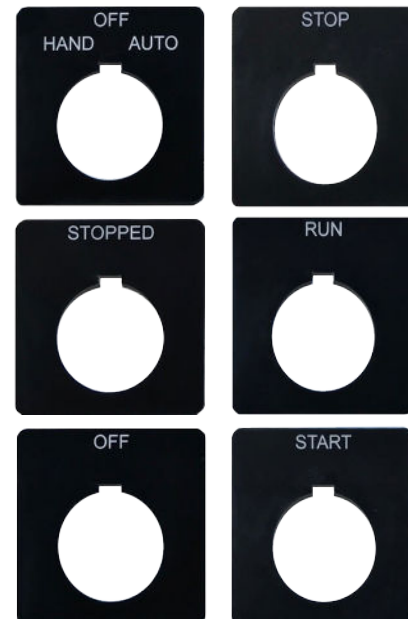
Marking	Cat. #
Blank with 2 fields	DSL03
For –Rev	DSL30
Hand-Auto	DSL29
In-Out	DSL35
Off-On	DSL48
Open-Close	DSL32
Raise Lower	DSL36
Run-Jog	DSL28
Safe-Run	DSL86
Start-Stop	DSL37
Slow-Fast	DSL65
Up-Down	DSL33

Background color for all legend plates is black with the following exceptions:

Marking	Cat. #
Start	Green
Stop	Red
Emerg. Stop	Red
For-Off-Rev	DSL40

Three Function Legend Plates

Marking	Cat. #
Auto-Off-Hand	DSL49
Blank with 3 fields	DSL04
Fast-Off-Slow	DSL41
For-Off-Rev	DSL40
Hand-Off-Auto	DSL39
Run-Off-Jog	DSL38
Open-Off-Close	DSL43
Raise-Off-Lower	DSL87
Slow-Off-Fast	DSL88
Up-Off-Down	DSL44
1-Off-2	DSL42





RFQ Questionnaire

Customer: _____

End User: _____

Project: _____

Location: _____

Prepared By: _____

Date: ____/____/____

Quotation For: ____ Estimate/Budget ____ Immediate Buy

Quotation Date Required: ____/____/____

Material Date Required: ____/____/____

Notes: _____

For Motor Starters:

System Voltage

☐ 480 V

☐ Motor HP ____

☐ 240 V

☐ Three Phase

☐ Other: _____

☐ Single Phase

Control Voltage

☐ 120

☐ Other: ____

Main Disconnects:

Manufacturer: _____

☐ Disconnect Switch

☐ Circuit Breaker T/M

☐ Fused Disconnect Switch

☐ C/B Amp Rating ____AMP

☐ Motor Circuit Protector

Starter(s):

Manufacturer: _____

Type: ☐ NEMA

☐ IEC

CPT for 120 volt Control Power ____VA

Optional Controls:

☐ Start / Stop Push Button

☐ RVSS Reduced Voltage Solid State Starter

☐ Hand - Off _ Auto Selector Switch

☐ FVR Full Voltage REVERSING Starter

☐ Pilot Light

☐ Two Speed Motor (2S2W/2S1W)

☐ FVNR Full Voltage Non Reversing Starter

☐ Other: _____

☐ Soft Start: _____

Manufacturer: _____

☐ Soft Start: _____

Manufacturer: _____

Enclosure Types:

☐ NEMA 7/9

☐ NEMA 7/9 (with gasketed cover)

☐ Class 1 Div 1 or 2 Groups B, C & D

☐ Class 1 Div 1 or 2 Groups E, F & F

ATEX & IECEX must consult factory

☐ Zone 1 ☐ Zone 2

Standard Products for hazardous areas:

☐ Manual Motor Starters

☐ Circuit Breaker Disconnects

☐ FVNR & FVR Motor Starters

☐ Custom Distribution Panels

☐ Motor Soft Starters

☐ Standard Distribution Panels

☐ Manual Disconnect Switches

