

Description

The Configured Drives program allows users to create Disconnect and Contactor Bypass packages based on their specific needs and requirements. A limited factory installed option set is offered to optimize package configurations while providing a versatile and cost-effective solution. Configurations feature wall mount construction and are available in different NEMA/UL ratings.

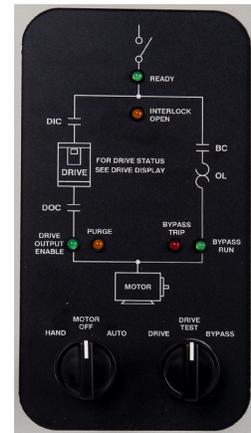
Main Input Disconnect / Circuit Breaker

- Door interlocked main input device
 - Disconnect switch with Class J fuses
 - Thermal magnetic molded case circuit breaker
- High AIC Rating for direct connection to high capacity power distribution lines
 - 100,000 AIC rating with fused disconnect
 - 65,000 AIC rating with circuit breaker



3 Contactor Full Feature Bypass with Disconnect / Circuit Breaker

- Door interlocked main input device
 - Disconnect switch with Class J fuses
 - Thermal magnetic molded case circuit breaker
- 3 contactor manual bypass with Drive/Drive Test/Bypass modes
- Bypass control and status display with indicating LEDs
- Class 20 motor overload protection in bypass circuit
- Selector switch for Hand/Off/Auto
- Remote start capability when in bypass mode



3 Contactor Basic Bypass with Disconnect

- Door interlocked main input disconnect
- 3 contactor manual bypass with Drive/Off/Drive Test/Bypass modes
- User-powered (24V AC) "Drive/Bypass" enable relay is provided for remote shut down



Catalog Number Explanation

1-3			4	5	6-8		9	Position					15	16	17	18	19+
23C			-	D	038		A	1	0	3	N	N	B	A	N	N	-LR
<i>a</i>				<i>b</i>	<i>c</i>		<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>m</i>	<i>n</i>

a

Drive	
Code	Type
23C	PowerFlex 400

b

Voltage Rating		
Code	Voltage	Ph.
X	208V ac	3
D	480V ac	3

c1

Rating			
208V, 60Hz Input			
Code	Amps *	kW (Hp)	Frame
012	12	2.2 (3.0)	C
017	16.8	3.7 (5.0)	C
024	24	5.5 (7.5)	C
033	30.8	7.5 (10)	C
049	46.2	11 (15)	D
065	64	15 (20)	D
075	75	18.5 (25)	D
090	88	22 (30)	D
120	114	30 (40)	E
145	143	37 (50)	E

* Configured drive amp ratings may differ from stand-alone drive ratings. Configured drives sized per NEC motor amps.

c2

Rating			
460V, 60Hz Input			
Code	Amps *	kW (Hp)	Frame
6P0	4.8	2.2 (3.0)	C
010	7.6	4.0 (5.0)	C
012	11	5.5 (7.5)	C
017	14	7.5 (10)	C
022	21	11 (15)	C
030	27	15 (20)	C
038	34	18.5 (25)	D
045	40	22 (30)	D
060	52	30 (40)	D
072	65	37 (50)	E
088	77	45 (60)	E
105	96	55 (75)	E
142	124	75 (100)	E
170	156	90 (125)	F
208	180	110 (150)	F
260	240	132 (200)	G
310	302	160 (250)	G
370	361	200 (300)	H
460	414	250 (350)	H

* Configured amp ratings may differ from stand-alone drive ratings. Configured drives sized per NEC motor amps.

d

Enclosure	
Code	Enclosure
A	NEMA/UL Type 1
H	NEMA/UL Type 12 with Fan and Filter
X	NEMA/UL Type 3R ‡
E	NEMA/UL Type 4 ‡

‡ Designed for maximum ambient temperature of 40° C with no direct sunlight exposure.

e

HIM	
Code	Interface Module
1	Fixed Keypad

f

Emission Class	
Code	Rating
0	Not Filtered

g

Version	
Code	Version
3	RS485
B	BACnet Adapter
C	ControlNet Adapter
D	DeviceNet Adapter
E	EtherNet/IP Adapter
L	LonWorks Adapter
P	PROFIBUS DP Adapter

h

Code	Rating
N	Reserved

i

Code	Rating
N	Reserved

j

Package	
Code	Description
A	Main Input Disconnect
B	3 Contactor Full Feature Bypass with Disconnect
C	3 Contactor Basic Bypass with Disconnect >
M	Main Input Circuit Breaker *
N	3 Contactor Full Feature Bypass with Circuit Breaker *

> Available only with NEMA/UL Type 1 enclosure (Position d = A).

* Available with all ratings in NEMA/UL Type 12, 3R, or 4 enclosures (Position d = H, X, or E) and 160-250 kW (250-350 Hp) ratings in NEMA/UL Type 1 enclosures (Position d = A).

k

Control	
Code	Description
A	Single Motor

l

Code	Rating
N	Reserved

m

Code	Rating
N	Reserved

n

Options	
Code	Description
-LR	3% Input Line Reactor §
-E5	Space Heater - Local Power †

§ 3% Input Line Reactor not available for all package styles. Consult product selection tables for additional detail.

† Available with NEMA/UL Type 3R and 4 enclosures only.

460V ac, 3 Contactor Full Feature Bypass with Disconnect/Circuit Breaker

Drive Ratings			Frame Size	Fused Disconnect (Position j = B)	Circuit Breaker (Position j = N)
kW	HP	Output Current Amps (40°C)		Catalog Number	Catalog Number
2.2	3.0	4.8	C	23C-D6P0E103NNBANN	23C-D6P0E103NNNANN
4.0	5.0	7.6	C	23C-D010E103NNBANN	23C-D010E103NNNANN
5.5	7.5	11	C	23C-D012E103NNBANN	23C-D012E103NNNANN
7.5	10	14	C	23C-D017E103NNBANN	23C-D017E103NNNANN
11	15	21	C	23C-D022E103NNBANN	23C-D022E103NNNANN
15	20	27	C	23C-D030E103NNBANN	23C-D030E103NNNANN
18.5	25	34	D	23C-D038E103NNBANN	23C-D038E103NNNANN
22	30	40	D	23C-D045E103NNBANN	23C-D045E103NNNANN
30	40	52	D	23C-D060E103NNBANN	23C-D060E103NNNANN
37	50	65	E	23C-D072E103NNBANN	23C-D072E103NNNANN
45	60	77	E	23C-D088E103NNBANN	23C-D088E103NNNANN
55	75	96	E	23C-D105E103NNBANN	23C-D105E103NNNANN
75	100	124	E	23C-D142E103NNBANN	23C-D142E103NNNANN
90	125	156	F	23C-D170E103NNBANN	23C-D170E103NNNANN
110	150	180	F	23C-D208E103NNBANN	23C-D208E103NNNANN

Factory Installed Options

Internal Communication Adapters

Description	Catalog Code (Position 12)
RS485	3
BACnet	B
ControlNet	C
DeviceNet	D
EtherNet/IP	E
LonWorks	L
PROFIBUS DP	P

Options

Description	Catalog Code (Position 12)
3% Input Line Reactor	-LR ❶
Enclosure Space Heater	-E5 ❷

❶ 3% input line reactor not available for all package styles.

❷ Available with NEMA/UL Type 3R and 4 enclosures only.