Product Nomenclature
Class 14 full-voltage non-reversing starter with solid-state overload relay

14					2			

Starter Size
B = 00
C = 0
D = 1
E = 1¾ (3-phase)
E = 1P (1-phase)
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 00-4, 7 & 8

OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
J = 100-300A
K = 133-400A
L = 200-600A
M = 250-750A
N = 400-1200A
U = 55-250A
X = 160-630A

Poles & Enclosure Size
1 = Single phase, 2-pole in standard width enclosure
3 = 3-phase, 3-pole in standard width enclosure
8 = 3-phase, 3-pole in extra-wide enclosure

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size B,C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

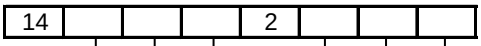
(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Product Nomenclature
Class 14 full-voltage non-reversing starter with bimetalic overload relay



Starter Size
B = 00
C = 0
D = 1
E = 1¾ (3-phase)
E = 1P (1-phase)
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model
G = Size 4
P = Size 00-3½

Poles & Enclosure Size
1 = Single phase, 2-pole in standard width enclosure
3 = 3-phase, 3-pole in standard width enclosure
8 = 3-phase, 3-pole in extra-wide enclosure

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature

Class 17 full-voltage non-reversing 3-phase starter with solid-state overload relay and non-fusible disconnect switch

17					2			

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 0-4, 7 & 8

OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
J = 100-300A
K = 133-400A
L = 200-600A
M = 250-750A
N = 400-1200A
U = 55-250A
X = 160-630A

Enclosure Size
8 = Extra-wide enclosure
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Non-fusible Disconnect Rating
(Starter Size + Model + OLR Current Range = Disconnect Rating)
CUA = 30A
CUB = 30A
CUC = 30A
CUD = 30A
DUA = 30A
DUB = 30A
DUC = 30A
DUD = 30A
DUE = 60A
EUE = 60A
FUF = 60A
GUG = 100A
HUG = 100A
IUH = 200A
JUH = 200A
LPU = 400A
MPX = 800A
NUN = 1200A
PUN = 1600A

Product Nomenclature

Class 17 full-voltage non-reversing 3-phase starter with solid-state overload relay and fusible disconnect switch

17					2				

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 0-4, 7 & 8

OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
J = 100-300A
K = 133-400A
L = 200-600A
M = 250-750A
N = 400-1200A
U = 55-250A
X = 160-630A

Enclosure Size
8 = Extra-wide enclosure
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

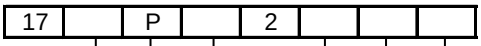
(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Fusible Disconnect Rating
10 = 30A disconnect with 30A/250V fuse clip
11 = 30A disconnect with 30A/600V fuse clip
12 = 60A disconnect with 60A/250V fuse clip
13 = 60A disconnect with 60A/600V fuse clip
14 = 100A disconnect with 100A/250V fuse clip
15 = 100A disconnect with 100A/600V fuse clip
16 = 200A disconnect with 200A/250V fuse clip
17 = 200A disconnect with 200A/600V fuse clip
18 = 400A disconnect with 400A/250V fuse clip
19 = 400A disconnect with 400A/600V fuse clip
20 = 600A disconnect with 600A/250V fuse clip
21 = 600A disconnect with 600A/600V fuse clip
23 = 800A disconnect with 800A/600V fuse clip
24 = 1200A disconnect with 1200A/600V fuse clip
25 = 1600A disconnect with 1600A/600V fuse clip

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Product Nomenclature

Class 17 full-voltage non-reversing 3-phase starter with bimetalic overload relay and non-fusible disconnect switch



Starter Size

C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size

8 = Extra-wide enclosure
9 = Standard width enclosure

Enclosure Type

B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage

J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay

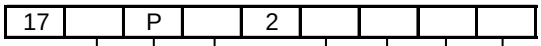
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Non-fusible Disconnect Rating

(Starter Size = Disconnect Rating)
C = 30A
D = 30A
E = 60A
F = 60A
G = 100A
H = 100A
I = 200A
J = 200A

Product Nomenclature

Class 17 full-voltage non-reversing 3-phase starter with bimetalic overload relay and fusible disconnect switch



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size
8 = Extra-wide enclosure
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Fusible Disconnect Rating
10 = 30A disconnect with 30A/250V fuse clip
11 = 30A disconnect with 30A/600V fuse clip
12 = 60A disconnect with 60A/250V fuse clip
13 = 60A disconnect with 60A/600V fuse clip
14 = 100A disconnect with 100A/250V fuse clip
15 = 100A disconnect with 100A/600V fuse clip
16 = 200A disconnect with 200A/250V fuse clip
17 = 200A disconnect with 200A/600V fuse clip

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature

Class 18 full-voltage non-reversing 3-phase starter with solid-state overload relay and motor circuit protector

18					2			

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 0-4, 7 & 8

OLR Current Range
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
T = 55-250A
U = 55-250A
W = 160-630A
X = 160-630A
V = 400-1220A
Y = 400-1220A
W = 400-1220A
Z = 400-1220A

Enclosure Size
8 = Extra-wide enclosure
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Motor Circuit Protector Rating
(Starter Size + Model + OLR Current Range = MCP Rating)
CUB = 3A
CUC = 10A
CUD = 25A
DUB = 3A
DUC = 10A
DUD = 25A
DUE = 30A
EUE = 40A
FUF = 50A
GUG = 100A
HUG = 125A
IUH = 125A
JUH = 150A
LPT = 250A
LPU = 400A
MPW = 400A
MPX = 600A
NUV = 800A
NUY = 1000A
PUW = 1200A
PUZ = 1600A

Product Nomenclature

Class 18 full-voltage non-reversing 3-phase starter with bimetalic overload relay and motor circuit protector

18		P		2				

Starter Size

C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size

8 = Extra-wide enclosure
9 = Standard width enclosure

Enclosure Type

B = NEMA 1
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Circuit Protector Rating

A = 3A
B = 10A
C = 25A
D = 25A
E = 30A
F = 40A
G = 50A
H = 40A
J = 50A
K = 50A
L = 100A
M = 50A
N = 125A
P = 125A
R = 150A

Coil Voltage

J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay

81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature
Class 22 full-voltage reversing 3-phase starter with solid-state overload relay

22				3	2			

Starter Size
B = 00
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 00-4, 7 & 8

OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
J = 100-300A
K = 133-400A
L = 200-600A
M = 250-750A
N = 400-1200A
U = 55-250A
X = 160-630A

Poles
3 = 3-phase, 3-pole

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size B,C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

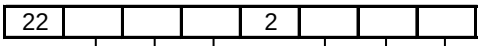
(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Product Nomenclature
Class 22 full-voltage reversing starter with bimetalic overload relay



Starter Size
B = 00
C = 0
D = 1
E = 1¾ (3-phase)
E = 1P (1-phase)
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model
G = Size 4
P = Size 00-3½

Poles & Enclosure Size
1 = Single phase, 3-wire, 2-pole in standard width enclosure
3 = 3-phase, 3-pole in standard width enclosure

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature

Class 25 full-voltage reversing 3-phase starter with solid-state overload relay and disconnect switch

Note - fuse clips may be added as a factory modification.

25				9	2			

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 0-4, 7 & 8

OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
J = 100-300A
K = 133-400A
L = 200-600A
M = 250-750A
N = 400-1200A
U = 55-250A
X = 160-630A

Enclosure Size
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

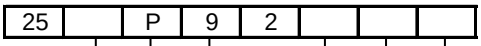
Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Disconnect Rating
(Starter Size + Model + OLR Current Range = Disconnect Rating)
CUA = 30A
CUB = 30A
CUC = 30A
CUD = 30A
DUA = 30A
DUB = 30A
DUC = 30A
DUD = 30A
DUE = 60A
EUE = 60A
FUF = 60A
GUG = 100A
HUG = 100A
IUH = 200A
JUH = 200A
LPU = 400A
MPX = 800A
NUN = 1200A
PUN = 1600A

Product Nomenclature

Class 25 full-voltage reversing 3-phase starter with bimetalic overload relay and disconnect switch

Note - fuse clips may be added as a factory modification.



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size
9 = Standard width enclosure

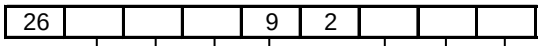
Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Disconnect Rating
(Starter Size = Disconnect Rating)
C = 30A
D = 30A
E = 60A
F = 60A
G = 100A
H = 100A
I = 200A
J = 200A

Product Nomenclature
Class 26 full-voltage reversing 3-phase starter with solid-state overload relay and motor circuit protector



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
P = Size 5 & 6
U = Size 0-4, 7 & 8

OLR Current Range
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
T = 55-250A
U = 55-250A
W = 160-630A
X = 160-630A
V = 400-1220A
Y = 400-1220A
W = 400-1220A
Z = 400-1220A

Enclosure Size
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
(Starter size C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Motor Circuit Protector Rating
(Starter Size + Model + OLR Current Range = MCP Rating)
CUB = 3A
CUC = 10A
CUD = 25A
DUB = 3A
DUC = 10A
DUD = 25A
DUE = 30A
EUE = 40A
FUF = 50A
GUG = 100A
HUG = 125A
IUH = 125A
JUH = 150A
LPT = 250A
LPU = 400A
MPW = 400A
MPX = 600A
NUV = 800A
NUY = 1000A
PUW = 1200A
PUZ = 1600A

Product Nomenclature

Class 26 full-voltage reversing 3-phase starter with bimetalic overload relay and motor circuit protector

26		P	9	2				

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size
9 = Standard width enclosure

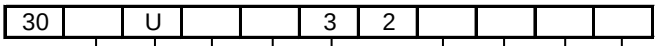
Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Circuit Protector Rating
A = 3A
B = 10A
C = 25A
D = 25A
E = 30A
F = 40A
G = 50A
H = 40A
J = 50A
K = 50A
L = 100A
M = 50A
N = 125A
P = 125A
R = 150A

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature
Class 30 two speed 3-phase starter with solid-state overload relay



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

High Speed OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Low Speed OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Poles
3 = 3-phase, 3-pole

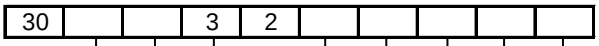
Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
F = NEMA 4X fiberglass
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Windings
1 = Two Separate Windings
2 = One Winding Consequent Pole

Motor Type
H = Constant Horsepower
V = Constant or Variable Torque

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Product Nomenclature
Class 30 two speed 3-phase starter with bimetalic overload relay



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model
G = Size 4
P = Size 00-3½

Poles
3 = 3-phase, 3-pole

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
F = NEMA 4X fiberglass
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Windings
1 = Two Separate Windings
2 = One Winding Consequent Pole

Motor Type
H = Constant Horsepower
V = Constant or Variable Torque

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature
Class 32 two speed 3-phase starter with solid-state overload relay and disconnect switch

32		U			9	2				2	

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

High Speed OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Low Speed OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Enclosure Size
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Windings
1 = Two Separate Windings
2 = One Winding Consequent Pole

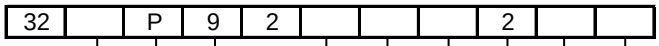
Motor Type
H = Constant Horsepower
V = Constant or Variable Torque

Disconnect Switch
2 = Disconnect switch

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Disconnect Rating
(Starter Size + Model + OLR Current Range = Disconnect Rating)
CUA = 30A
CUB = 30A
CUC = 30A
CUD = 30A
DUA = 30A
DUB = 30A
DUC = 30A
DUD = 30A
DUE = 60A
EUE = 60A
FUF = 60A
GUG = 100A
HUG = 100A
IUH = 200A
JUH = 200A

Product Nomenclature
Class 32 two speed 3-phase starter with bimetalic overload relay and disconnect switch



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Windings
1 = Two Separate Windings
2 = One Winding Consequent Pole

Motor Type
H = Constant Horsepower
V = Constant or Variable Torque

Disconnect Switch
2 = Disconnect switch

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Disconnect Rating
(Starter Size = Disconnect Rating)
C = 30A
D = 30A
E = 60A
F = 60A
G = 100A
H = 100A
I = 200A
J = 200A

Product Nomenclature
Class 32 two speed 3-phase starter with solid-state overload relay and motor circuit protector

32		U			9	2				

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

High Speed OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Low Speed OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Enclosure Size
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Windings
1 = Two Separate Windings
2 = One Winding Consequent Pole

Motor Type
H = Constant Horsepower
V = Constant or Variable Torque

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Motor Circuit Protector Rating
(Starter Size + Model + OLR Current Range = MCP Rating)
CUA = 3A
CUB = 3A
CUC = 10A
CUD = 25A
DUA = 3A
DUB = 3A
DUC = 10A
DUD = 25A
DUE = 30A
EUE = 40A
FUF = 50A
GUG = 100A
HUG = 125A
IUH = 125A
JUH = 150A

Product Nomenclature
Class 32 two speed 3-phase starter with bimetalic overload relay and motor circuit protector

32		P	9	2						

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Enclosure Size
9 = Standard width enclosure

Enclosure Type
B = NEMA 1
F = NEMA 4X fiberglass
N = NEMA 4/12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Motor Windings
1 = Two Separate Windings
2 = One Winding Consequent Pole

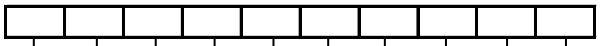
Motor Type
H = Constant Horsepower
V = Constant or Variable Torque

Motor Circuit Protector Rating
A = 3A
B = 10A
C = 25A
D = 25A
E = 30A
F = 40A
G = 50A
H = 40A
J = 50A
K = 50A
L = 100A
M = 50A
N = 125A
P = 125A
R = 150A

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature
Class 36 and 37 reducted voltage starter with solid-state overload relay



Class
36 = Non-combination type
37 = Combination type

Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6

Model
P = Size 5 & 6
U = Size 0-4

OLR Current Range
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
U = 55-250A
X = 160-630A

Starter Type
0 = Wye delta open transition
C = Wye delta closed transition
P = Part winding
T = Auto transformer

Motor Voltage
2 = 230V
4 = 460V
5 = 575V
6 = 200/208V

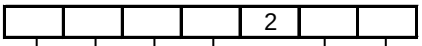
Enclosure Type
B = NEMA 1
E = NEMA 4 painted steel
N = NEMA 12 (convertible to 3/3R)
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil

Disconnect Type
(blank) = No disconnect (Class 36 only)
D = Non-fusible disconnect switch (Class 37 only)
F = Fusible disconnect switch (Class 37 only)
P = MCP (Class 37 only)

Overload Relay Option
(blank) = Standard
51 = Trip class 10 (size 5 & 6 starters only)

Product Nomenclature
Class 40 and 43 full-voltage contactor



Class
40 = Non-reversing contactor
43 = Reversing contactor

Contactor Size
B = 00
C = 0
D = 1
E = 1¾ (3-phase)
E = 1P (1-phase)
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6
N = 7
P = 8

Model
G = Size 4
H = Size 7 and 8
P = Size 00-3½, 5 and 6

Poles & Enclosure Size
1 = Single phase, 2-pole in standard width enclosure
2 = 4-pole in standard width enclosure (Class 40 only)
3 = 3-phase, 3-pole in standard width enclosure
8 = 3-phase, 3-pole in extra-wide enclosure (Class 40 only)

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
A = Open
B = NEMA 1
E = NEMA 4 painted steel
F = NEMA 4X fiberglass
H = NEMA 3/4/7/9
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

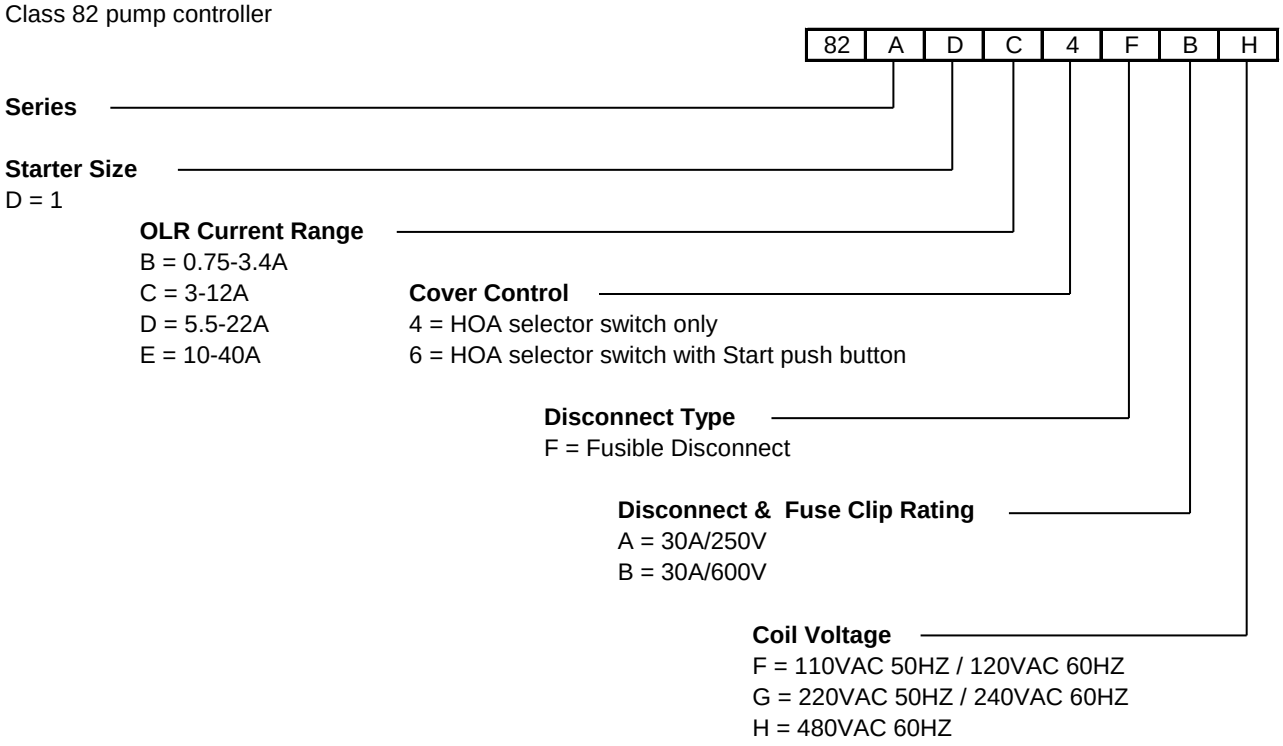
Coil Voltage
(Starter size B,C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

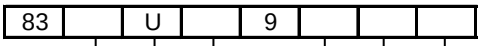
(Starter size N)
F = 100-250V 50-60Hz/DC Coil
H = 150-500V 50-60Hz/DC Coil

(Starter size P)
F = 100-250V 50-60Hz/DC Coil

Product Nomenclature
Class 82 pump controller



Product Nomenclature
Class 83 duplex controller with solid-state overload relay



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

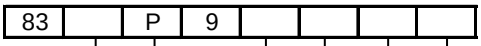
OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Alternator
2 = with alternator (120VAC "F" coil voltage only)
5 = without alternator (any coil voltage)

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
B = NEMA 1
E = NEMA 4 painted steel
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Product Nomenclature
Class 83 duplex controller with bimetalic overload relay



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

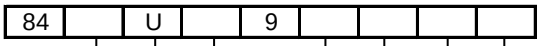
Alternator
2 = with alternator (120VAC "F" coil voltage only)
5 = without alternator (any coil voltage)

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
B = NEMA 1
E = NEMA 4 painted steel
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Product Nomenclature
Class 84 duplex controller with solid-state overload relay and disconnect switch or MCP



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

OLR Current Range
A = 0.25-1A
B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A

Alternator
2 = with alternator (120VAC "F" coil voltage only)
5 = without alternator (any coil voltage)

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
B = NEMA 1
E = NEMA 4 painted steel
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

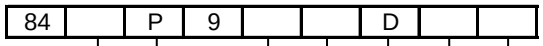
Disconnect Type
D = Non-fusible disconnect switch (fuse clips may be added as a factory modification)
M = Motor circuit protector

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Disconnect Rating (Starter Size + Model + OLR Current Range = Disconnect Rating)

Size+Model +OLR	Disconnect Switch	MCP
CUA	30A	3A
CUB	30A	3A
CUC	30A	10A
CUD	30A	25A
DUA	30A	3A
DUB	30A	3A
DUC	30A	10A
DUD	30A	25A
DUE	60A	30A
EUE	60A	40A
FUF	60A	50A
GUG	100A	100A
HUG	100A	100A
IUH	200A	125A
JUH	200A	150A

Product Nomenclature
Class 84 duplex controller with bimetalic overload relay and disconnect switch



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Alternator
2 = with alternator (120VAC "F" coil voltage only)
5 = without alternator (any coil voltage)

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
B = NEMA 1
E = NEMA 4 painted steel
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Disconnect Type
D = Non-fusible disconnect switch (fuse clips may be added as a factory modification)

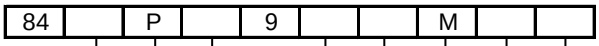
Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Disconnect Rating
(Starter size = Disconnect Rating)

Starter Size	Disconnect Switch
C	30A
D	30A
E	60A
F	60A
G	100A
H	100A
I	200A
J	200A

Product Nomenclature
Class 84 duplex controller with bimetalic overload relay and MCP



Starter Size
C = 0
D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Motor Circuit Protector Rating
B = 3A
D = 10A
E = 25A
F = 30A (for starter size D)
F = 40A (for starter sizes E & F)
G = 50A
H = 50A
J = 50A (for starter size H)
J = 100A (for starter size G)
K = 100A
L = 125A
M = 150A

Alternator
2 = with alternator (120VAC "F" coil voltage only)
5 = without alternator (any coil voltage)

Enclosure Type
0 = NEMA 12 (field convertible to 3/3R)
B = NEMA 1
E = NEMA 4 painted steel
W = NEMA 4X 304 stainless steel
X = NEMA 4X 316 stainless steel

Disconnect Type
M = Motor circuit protector

Coil Voltage
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

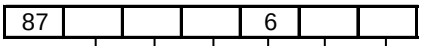
Bimetalic Overload Relay
81 = 1 NC auxiliary contact
91 = 1 NO & 1 NC (SPDT) auxiliary contact

Disconnect Rating
(Starter size = Disconnect Rating)

Starter Size	Disconnect Switch
C	30A
D	30A
E	60A
F	60A
G	100A
H	100A
I	200A
J	200A

Product Nomenclature

Class 87 full-voltage pump controller with solid-state overload relay and disconnect switch or MCP



Starter Size

D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6

Model

P = Size 5
S = Size 6
U = Size 1 - 4

OLR Current Range

B = 0.75-3.4A
C = 3-12A
D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
T = 55-250A
U = 55-250A
W = 160-630A
X = 160-630A

Cover Control

6 = HOA selector switch & start push button

Disconnect Type

0 = Fusible disc with 600V over-sized fuse clips
F = Fusible disc with 600V standard sized fuse clips
L = Fusible disc with 250V standard sized fuse clips
M = Motor circuit protector
P = Fusible disc with 250V over-sized fuse clips

Coil Voltage

(Starter size C,D,E,F,G,H,I or J)
J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

(Starter size L or M)
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

Fusible Disconnect Rating

(Starter Size + Disc Type = Disconnect Rating)
DF = 30A/600V
D0 = 60A/600V
EF = 30A/600V
E0 = 60A/600V
FF = 60A/600V
F0 = 100A/600V
GF = 60A/600V
G0 = 100A/600V
HF = 100A/600V
H0 = 200A/600V
IF = 200A/600V
JF = 200A/600V
LF = 400A/600V
MF = 600A/600V
DL = 30A/250V
DP = 60A/250V
EL = 60A/250V
FL = 60A/250V
FP = 100A/250V
GL = 60A/250V
GP = 100A/250V
HL = 100A/250V
HP = 200A/250V
IL = 200A/250V
JL = 200A/250V
LL = 400A/250V

MCP Rating

(Starter Size + Model + OLR Current Range = Rating)
DUB = 3A
DUC = 10A
DUD = 25A
DUE = 30A
EUE = 40A
FUF = 50A
GUG = 100A
HUG = 100A
IUH = 125A
JUH = 150A
LPT = 250A
LPU = 400A
MSW = 400A
MSX = 600A

Product Nomenclature

Class 87 full-voltage pump controller with bimetalic overload relay and disconnect switch or MCP

87		A		6		

Starter Size

D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4

Model

Horsepower Range (Hp)

200,230,460,575 (motor volt)

A = ½,½,1,1
B = 1,1,3,3
D = 3,3,7½,7½
E = 7½,7½,10,10
F = 5,5,15,15
G = 10,10,-,-
H = -,-,15,20
J = 10,15,25,25
K = 10,15,30,30
L = 15,20,-,-
N = 25,30,50,50
P = 30,40,75,75
R = 40,50,100,100

Cover Control

6 = HOA selector switch & start push button

Disconnect Type

0 = Fusible disc with 600V over-sized fuse clips
F = Fusible disc with 600V standard sized fuse clips
L = Fusible disc with 250V standard sized fuse clips
M = Motor circuit protector
P = Fusible disc with 250V over-sized fuse clips

Coil Voltage

J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

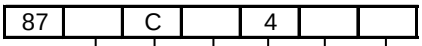
Fusible Disconnect Rating
(Starter Size + Disc Type = Disconnect Rating)

DF = 30A/600V
D0 = 60A/600V
EF = 30A/600V
E0 = 60A/600V
FF = 60A/600V
F0 = 100A/600V
GF = 60A/600V
G0 = 100A/600V
HF = 100A/600V
H0 = 200A/600V
IF = 200A/600V
JF = 200A/600V
DL = 30A/250V
DP = 60A/250V
EL = 60A/250V
FL = 60A/250V
FP = 100A/250V
GL = 100A/250V
HL = 100A/250V
HP = 200A/250V
IL = 200A/250V
JL = 200A/250V

MCP Rating
(Hp Range Code = MCP Rating)

A = 3A
B = 10A
D = 25A
E = 30A
F = 40A
G = 50A
H = 40A
J = 50A
K = 50A
L = 100A
N = 100A
P = 125A
R = 150A

Product Nomenclature
Class 87 vacuum break pump controller with solid-state overload relay and disconnect switch or MCP



Starter Size
J = 4
L = 5
M = 6

Model
C

OLR Current Range
M = 55-250A
T = 55-250A
U = 55-250A
W = 160-630A
X = 160-630A

Cover Control
4 = HOA selector switch & start push button

Disconnect Type
F = Fusible disc with 600V standard sized fuse clips
M = Motor circuit protector

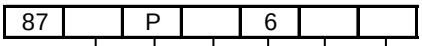
Coil Voltage
J = 23-26V 50-60Hz/DC Coil
F = 110-127V 50-60Hz/DC Coil
D = 200-220V 50-60Hz/DC Coil
G = 220-240V 50-60Hz/DC Coil
L = 240-277V 50-60Hz/DC Coil
K = 380-420V 50-60Hz/DC Coil
H = 440-480V 50-60Hz/DC Coil
E = 575-600V 50-60Hz/DC Coil

Fusible Disconnect Rating (Starter Size = Disconnect Rating)
J = 200A/600V
L = 400A/600A

MCP Rating (Starter Size + Model + OLR Current Range = MCP Rating)
JCM = 250A
LCT = 400A
MCW = 400A
MCX = 600A

Product Nomenclature

Class 87 oil well pump controller with 958L solid-state overload relay and disconnect switch or MCP



Starter Size

F = 2
H = 3
J = 4

Model

P

OLR Current Range

I = 13-52A
K = 25-100A
M = 50-200A

Cover Control

6 = HOA selector switch & start push button

Disconnect Type

F = Fusible disc with 600V standard sized fuse clips
M = Motor circuit protector

Coil Voltage

J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
A = 110–120/220–240VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
L = 240VAC 50Hz / 277VAC 60Hz Coil
C = 220–240/440–480VAC 60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil
S = 24VDC Coil
U = 48VDC Coil
V = 125VDC Coil
W = 250VDC Coil

Fusible Disconnect Rating (Starter Size = Disconnect Rating)

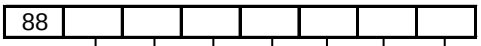
F = 60A/600V
H = 100A/600A
J = 200A/600A

MCP Rating (Starter Size = MCP Rating)

F = 50A
H = 100A
J = 150A

Product Nomenclature

Class 88 reduced voltage pump controller with solid-state overload relay and fusible disconnect switch or MCP



Starter Size

D = 1
E = 1¾
F = 2
G = 2½
H = 3
I = 3½
J = 4
L = 5
M = 6

Model

P = Size 5
S = Size 6
U = Size 1-4

OLR Current Range

D = 5.5-22A
E = 10-40A
F = 13-52A
G = 25-100A
H = 50-200A
S = 55-250A
U = 55-250A
V = 160-630A
X = 160-630A

Starter Type

0 = Wye delta open transition
C = Wye delta closed transition
P = Part winding
T = Auto transformer

Motor Voltage

2 = 230V
4 = 460V
5 = 575V
6 = 200/208V

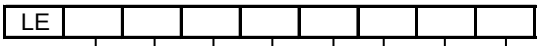
Disconnect Type

F = Fusible disconnect switch
M = Motor circuit protector

Coil Voltage

J = 24VAC 50/60Hz Coil
F = 110VAC 50Hz / 120VAC 60Hz Coil
D = 208VAC 60Hz Coil
G = 190–220/220–240V 50/60Hz Coil
H = 380–440/440–480V 50/60Hz Coil
E = 550/575–600 50/60Hz Coil

Product Nomenclature
Class LE electrically held lighting contactors



Disconnect Type
B = Combination Circuit Breaker
D = Combination Non-Fused Disconnect
F = Combination Fusible Disconnect
N = Non-Combination

Disconnect Rating
0 = N/A
A = 30A/250V Disconnect
B = 30A/600V Disconnect
C = 60A/250V Disconnect
D = 60A/600V Disconnect
E = 100A/250V Disconnect
F = 100A/600V Disconnect
G = 200A/250V Disconnect
H = 200A/600V Disconnect
J = 400A/250V Disconnect
K = 400A/600V Disconnect
T = 20A Circuit Breaker
V = 30A Circuit Breaker
Y = 60A Circuit Breaker
Z = 100A Circuit Breaker

Enclosure Type
0 = Open
1 = NEMA 1
2 = NEMA 12/3R
4 = NEMA 4/4X SS

Contactor Rating (Amp)
B = 20
C = 30
D = 60
E = 100
F = 200
G = 300
H = 400

N.C. Poles
0 = None

N.O. Poles
03 = Three
04 = Four
06 = Six
09 = Nine
12 = Twelve

Coil Voltage (AC 60Hz)
024 = 24
120 = 120
208 = 208
240 = 240
277 = 277
347 = 347
480 = 480
600 = 600

Series
A = 200 – 400A Contactors
B = 20 – 100A Contactors

Product Nomenclature
Class LC electrically held lighting contactors

LC	E0		C				A

Controller Type
E0 = Electrically Held (Convertible to MH)

Enclosure Type
0 = Open
1 = NEMA 1
2 = NEMA 12/3R
4 = NEMA 4/4X Stainless Steel

Contactor Rating (Amp)
C = 30

N.C. Poles
0 = None
1 = One
2 = Two
3 = Three
4 = Four
5 = Five
6 = Six
7 = Seven
8 = Eight

N.O. Poles
00 = None
01 = One
02 = Two
03 = Three
04 = Four
05 = Five
06 = Six
07 = Seven
08 = Eight
09 = Nine
10 = Ten
11 = Eleven
12 = Twelve

Coil Voltage
024 = 24V 60Hz / 20V 50Hz
120 = 115-120V 60Hz / 110V 50Hz
208 = 200-208V 60Hz
240 = 230-240V 60Hz / 220V 50Hz
277 = 277V 60Hz / 240V 50Hz
347 = 347V 60Hz
480 = 460-480V 60Hz / 440V 50Hz
600 = 575-600V 60Hz / 550V 50Hz

Series

Product Nomenclature
Class CLM & CM mechanically and magnetically held lighting contactors

20A (open only)

CLM [ ] 20 [ ]

N.O. Poles
2 = 2NO / 0NC
3 = 3NO / 0NC
4 = 4NO / 0NC
6 = 6NO / 0NC
8 = 8NO / 0NC
10 = 10NO / 0NC
12 = 12NO / 0NC
22 = 2NO / 2NC
33 = 3NO / 3NC
44 = 4NO / 4NC
66 = 6NO / 6NC

Coil Voltage (AC 50/60Hz)
31 = 110–120
61 = 208–240
71 = 265–277
91 = 440–480

20A (enclosed only) & 30-400A (open and enclosed) Non-combination

CLM [ ] [ ] [ ] [ ] [ ]

Enclosure Type
0 = Open
1 = NEMA 1
2 = NEMA 12/3R
S = NEMA 4/4X SS

Contactor Rating (Amp)
B = 20
C = 30
D = 60
E = 100
F = 200
G = 300
H = 400

N.O. Poles
02 = Two
03 = Three
04 = Four
05 = Five
06 = Six
08 = Eight
09 = Nine
10 = Ten
12 = Twelve

Coil Voltage (AC 60Hz)
024 = 24
120 = 120
208 = 208
240 = 240
277 = 277
480 = 480
600 = 600

Combination type

CM [ ] [ ] [ ] [ ] [ ] [ ]

Note - all combination contactors have 3 N.O. poles & 0 N.C. poles

Disconnect Type
B = Circuit Breaker
F = Fusible Disconnect
N = Non-Fused Disconnect

Contactor Rating (Amp)
B = 20
C = 30
D = 60
E = 100
F = 200
G = 300

Enclosure Type
1 = NEMA 1
2 = NEMA 12/3R
S = NEMA 4/4X SS

Disconnect Ratings

Character	Non-Fused Disconnect	Fused Disconnect	Circuit Breaker
0	NA	30A/250V	200A
1	NA	30A/600V	300A
2	NA	60A/250V	NA
3	NA	60A/600V	NA
4	30A/600V	100A/250V	20A
5	60A/600V	100A/600V	30A
6	100A/600V	200A/250V	NA
7	200A/600V	200A/600V	NA
8	400A/600V	400A/250V	60A (60A contactor) 100A (100A contactor)
9	NA	400A/600V	NA

Coil Voltage (AC 60Hz)
024 = 24
120 = 120
208 = 208
240 = 240
277 = 277
480 = 480
600 = 600