

Disconnect Switches and Operating Mechanisms

Section 9

FD1 Fusible IEC Style

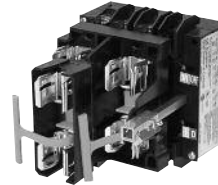
Individual Components

600 Vac

250 Vdc



FD130CC



FD130J



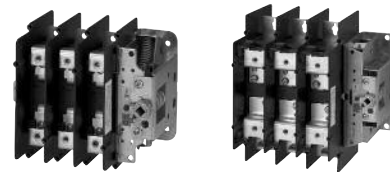
FD130NF



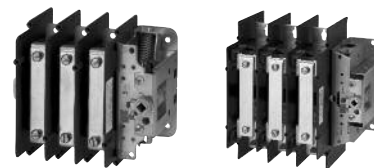
FD160J



FD160NF



FD1100J and FD1200J



FD1100NF and FD1200NF

Horsepower Ratings (Time Delay)

Fuse Operating Characteristics

Product Number	Maximum HP, 3-Phase AC @ 240Vac, 60Hz, Time Delay	Maximum HP, 3-Phase AC @ 480Vac, 60Hz, Time Delay	Maximum HP, 3-Phase AC @ 600Vac, 60Hz, Time Delay	Maximum HP, Single-Phase AC @ 120Vac, 60Hz, Time Delay	Maximum HP, Single-Phase AC @ 240Vac, 60Hz, Time Delay	Maximum HP, DC @ 125Vdc, Time Delay	Maximum HP, DC @ 250Vdc, Time Delay
FD130CC	5	10	10	0.75	2	2	3
FD130J	7.5	15	20	2	3	3	5
FD130NF	7.5	15	20	2	3	3	5
FD160J	15	30	50	3	10	5	10
FD160NF	15	30	50	3	10	5	10
FD1100J	30	60	75	-	15	-	20
FD1100NF	30	60	75	-	15	-	20
FD1200J	60	125	150	-	25	-	40
FD1200NF	60	125	150	-	25	-	40

Horsepower Ratings (Non-Time Delay)

Fuse Operating Characteristics

Product Number	Maximum HP, 3-Phase AC @ 240Vac, 60Hz, Non-Time Delay	Maximum HP, 3-Phase AC @ 480Vac, 60Hz, Non-Time Delay	Maximum HP, 3-Phase AC @ 600Vac, 60Hz, Non-Time Delay	Maximum HP, Single-Phase AC @ 120Vac, 60Hz, Non-Time Delay	Maximum HP, Single-Phase AC @ 240Vac, 60Hz, Non-Time Delay	Maximum HP, DC @ 125Vdc, Non-Time Delay	Maximum HP, DC @ 250Vdc, Non-Time Delay
FD130CC	5	10	10	0.75	2	2	3
FD130J	3	5	7.5	0.5	1.5	2	5
FD130NF	3	5	7.5	0.5	1.5	2	5
FD160J	7.5	15	15	1.5	3	5	5
FD160NF	7.5	15	15	1.5	3	5	5
FD1100J	15	25	30	-	7.5	-	20
FD1100NF	15	25	30	-	7.5	-	20
FD1200J	25	50	60	-	15	-	40
FD1200NF	25	50	60	-	15	-	40

IEC Disconnects — Fuse Specification

Ampere Rating	Fuse Type	Maximum Fuse Cartridge Size	Maximum Voltage	Maximum Available Fault Current	Product Number
30A	Class CC HRCl-MISC	30 A	600Vac/250Vac	100 kA	FD130CC ²
30A	Class J HRCl-J	30 A	600Vac/250Vac	100 kA	FD130J
30A	Non-Fused	30 A	600Vac/250Vac	100 kA	FD130NF ^{1,2}
60A	Class J HRCl-J	60 A	600Vac/250Vac	100 kA	FD160J
60A	Non-Fused	60 A	600Vac/250Vac	100 kA	FD160NF ^{1,2}
100A	Class J HRCl-J	100	600Vac/250Vac	100 kA	FD1100J
100A	Non-Fused	Non-Fused	600Vac/250Vac	100 kA	FD1100NF ^{1,2}
200A	Class J HRCl-J	200	600Vac/250Vac	100 kA	FD1200J
200A	Non-Fused	Non-Fused	600Vac/250Vac	100 kA	FD1200NF ^{1,2}

¹Non-fused disconnect switches must be used with separately installed UL Listed class J, CC or T fuses; or CSA Certified HRCl-J, HRCl-T or HRCl-MISC.

²CSA HRCl-MISC fuses must also be UL Listed as class CC fuses.

Mechanical Specifications³

Product Number	Mechanical Endurance Operations	Normal Operating Torque	Terminal Capacity / Power Terminals	Terminal Capacity / Auxiliary Switch Terminals	Maximum Number of Auxiliary Circuits
FD130CC	10000	27	#14 - #8	#14 - #12	4
FD130J	10000	27	#14 - #8	#14 - #12	4
FD130NF	10000	27	#14 - #8	#14 - #12	4
FD160J	10000	45	#14 - #4	#14 - #12	4
FD160NF ¹	10000	45	#14 - #4	#14 - #12	4
FD1100J	10000	107	#14 - #2	#14 - #12	4
FD1100NF	10000	107	#14 - #2	#14 - #12	4
FD1200J	10000	239	#6 - 250kcmil	#14 - #12	4
FD1200NF	10000	239	#6 - 250kcmil	#14 - #12	4

³See page 9-40 for additional Mechanical Specifications.

