

# Acti 9 & Compact NSX/NS

## Short Form Selection Chart - 2011

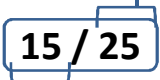
### Cascading and enhanced discrimination chart for Compact NSX160 - NSX630 & Compact NS800 - NS1600

#### Enhanced discrimination tables: 380/415V

#### Cascading: 380 / 415V

Upstream Breaking Capacity		C120N 10kA	C120H 15kA	NSX100F 36kA	NSX160F 36kA	NSX250F 36kA	NSX100H 70kA	NSX160H 70kA	NSX250H 70kA
Trip Unit		TM-D							
Downstream Rating (A)									
IC60a 6kA 1-25	10	15	15	15	15	15	20	20	20
IC60a 6kA 32-40	10	15	10	10	10	10	15	15	15
IC60a 6kA 50-63	10	15	10	10	10	10	15	15	15
IC60N 10kA 1-40	15	25	25	25	25	25	30	30	30
IC60N 10kA 50-63	15	25	25	25	25	25	30	30	25
IC60H 15kA 1-40	36	36	36	36	36	36	40	40	30
IC60H 15kA 50-63	36	36	36	36	36	36	40	40	25
IC60L 25kA 1-25	36	36	36	36	36	36	40	40	36
IC60L 20kA 32-40	36	36	36	36	36	36	40	40	36
IC60L 15kA 50-63	36	36	36	36	36	36	40	40	30
C120N 10kA 80-100	25	25	25	25	25	25	25	25	25
C120H 15kA 80-100	25	25	25	25	25	25	25	25	25

For each combination of two circuit breakers, the tables indicate the:



Downstream device breaking capacity enhanced by cascading in kA.

Selectivity / discrimination limit enhanced by cascading (in kA)

A box containing two equal values (*shaded area*) indicates that discrimination is provided up to the reinforced breaking capacity of the downstream device (total discrimination). These tables apply only to cases with combined discrimination and cascading between two devices.

#### Cascading with enhanced discrimination: 380 / 415V

Upstream Breaking Capacity		NSX 160F 36kA				NSX 250F 36kA				NSX160H 70kA				NSX250H 70kA				NSX400N 50kA		NSX630N 50kA		NSX400H 70kA		NSX630H 70kA		NS800N 50kA		NS800H 70kA		NS1000N 50kA		NS1000H 70kA		NS1250N 50kA		NS1250H 70kA		NS1600N 50kA		NS1600H 70kA		
Trip Unit		Micrologic 2.3																Micrologic 2.0 or Micrologic 5.0																								
Downstream Rating (A)		80-100		125-160		200		250		80-100		125-160		200		250		400		630		400		630		800		800		1000		1000		1250		1250		1600		1600		
IC60a 6kA <16		15/15	15/15	15/15	15/15	15/15	15/15	20/20	20/20	20/20																																
IC60a 6kA 20-25		15/15	15/15	15/15	15/15	15/15	15/15	20/20	20/20	20/20																																
IC60a 6kA 32-40		10/10	10/10	10/10	10/10	10/10	10/10	15/15	15/15	15/15																																
IC60a 6kA 50-63		10/10	10/10	10/10	10/10	10/10	10/10	15/15	15/15	15/15																																
IC60N 10kA <16		25/25	25/25	25/25	25/25	25/25	25/25	30/30	30/30	30/30																																
IC60N 10kA 20-25		25/25	25/25	25/25	25/25	25/25	25/25	30/30	30/30	30/30																																
IC60N 10kA 32-40		25/25	25/25	25/25	25/25	25/25	25/25	30/30	30/30	30/30																																
IC60N 10kA 50-63		25/25	25/25	25/25	25/25	25/25	25/25	30/30	25/25	25/25																																
IC60H 15kA <16		36/36	30/30	30/30	30/30	30/30	30/30	40/40	30/30	30/30																																
IC60H 15kA 20-25		36/36	30/30	30/30	30/30	30/30	30/30	40/40	30/30	30/30																																
IC60H 15kA 32-40		36/36	30/30	30/30	30/30	30/30	30/30	40/40	30/30	30/30																																
IC60H 15kA 50-63		30/30	25/25	25/25	25/25	25/25	25/25	30/30	25/25	25/25																																
IC60L 25kA <16		36/36	30/30	30/30	30/30	30/30	30/30	40/40	36/36	36/36																																
IC60L 25kA 20-25		36/36	30/30	30/30	30/30	30/30	30/30	40/40	36/36	36/36																																
IC60L 20kA 32-40		36/36	30/30	30/30	30/30	30/30	30/30	40/40	36/36	36/36																																
IC60L 15kA 50-63		30/30	25/25	25/25	25/25	25/25	25/25	36/36	30/30	30/30																																
C120N 10kA 80			25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25																																
C120N 10kA 100			25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25																																
C120N 10kA 125			25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25																																
C120H 15kA 80			25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25																																
C120H 15kA 100			25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25																																
NSX100F 36kA <25								70/70	70/70	70/70																																
TM-D Trip Unit 40-100								36/70	36/70	36/70																																
NSX160F 36kA All TM-D/MA																																										
NSX250F 36kA All TM-D/MA																																										

As standards, specifications and designs change, Schneider Electric reserves the right to make changes, modifications and extensions to these cascading tables without prior notice. Please contact Schneider Electric for confirmation.

