

Fuse and circuit breakers cascading tables

Upstream: fuses Diazed D1, D2, D3

U_e=380-415 V Ph/Ph
(220-240 V Ph/N)

Cascading

The table below shows the enhanced breaking capacity thanks to cascading of the MCB and the maximum rating of the upstream fuse.

DIAZED/MCB (iC40, iDPN, iC60, C120, NG125)

Upstream	In (A)	Diazed series 50 kA			
		< 32	35-63	80	100
Downstream device					
	In max (A)	Icu (kA)	Reinforced breaking capacity (kA)		
iC40N	4	10	50	10	10
	40	10	50	50	36
iDPN N	4	10	50	10	10
	40	10	50	50	36
iC60N	63	10	50	50	50
iC60H	63	15	50	50	50
iC60L	25	25	50	50	50
	40	20	50	50	50
	63	15	50	50	50
C120N	125	10	50	50	50
C120H	125	15	50	50	50
NG125N	125	25	50	50	50
NG125H	80	36	50	50	50
NG125L	80	50	50	50	50

The enhanced breaking capacity is indicated in kA according to IEC 60947-2 annex A.

DIAZED/RCBO (iCV40, iDPN Vigi, iC60 RCBO)

Upstream	In (A)	Diazed series 50 kA			
		< 32	35-63	80	100
Downstream device					
	In max (A)	Icn (kA)	Reinforced breaking capacity (kA)		
iCV40N	40	6	50	50	25
iCV40H	40	10	50	50	36
iDPN N Vigi	40	6	50	50	25
iDPN H Vigi	40	10	50	50	36
iC60 RCBO ⁽¹⁾	32	6	50	50	36

The enhanced breaking capacity is indicated in kA according to IEC 60947-2 annex A.

(1) U_e=400 V AC (Ph/Ph) for 3P, 4P products.

Fuse and circuit breakers cascading tables

Upstream: fuses Neozed D01, D02, D03

U_e=380-415 V Ph/Ph
(220-240 V Ph/N)

Cascading

The table below shows the enhanced breaking capacity thanks to cascading of the MCB and the maximum rating of the upstream fuse.

NEOZED/MCB (iC40, iDPN, iC60, C120, NG125)

Upstream		Neozed series 50 kA			
In (A)		< 32	35-63	80	100
Downstream device					
	In max (A)	Icu (kA)	Reinforced breaking capacity (kA)		
iC40N	4	10	50	10	10
	40	10	50	50	36
iDPN N	4	10	50	10	10
	40	10	50	50	36
iC60N	63	10	50	50	50
iC60H	63	15	50	50	50
iC60L	25	25	50	50	50
	40	20	50	50	50
	63	15	50	50	50
C120N	125	10	50	50	50
C120H	125	15	50	50	50
NG125N	125	25	50	50	50
NG125H	80	36	50	50	50
NG125L	80	50	50	50	50

The enhanced breaking capacity is indicated in kA according to IEC 60947-2 annex A.

NEOZED/RCBO (iCV40, iDPN Vigi, iC60 RCBO)

Upstream		Neozed series 50 kA			
In (A)		< 32	35-63	80	100
Downstream device					
	In max (A)	Icn (kA)	Reinforced breaking capacity (kA)		
iCV40N	40	6	50	50	25
iCV40H	40	10	50	50	36
iDPN N Vigi	40	6	50	50	25
iDPN H Vigi	40	10	50	50	36
iC60 RCBO ⁽¹⁾	32	6	50	50	36

The enhanced breaking capacity is indicated in kA according to IEC 60947-2 annex A.

(1) U_e=400 V AC (Ph/Ph) for 3P, 4P products.

Fuse and circuit breakers cascading tables

Upstream: fuses NH000/NH00/NH0/NH1

U_e=380-415 V Ph/Ph
(220-240 V Ph/N)

Cascading

The table below shows the enhanced breaking capacity thanks to cascading of the MCB and the maximum rating of the upstream fuse.

NH/MCB (iC40, iDPN, iC60, C120, NG125)

Upstream		NH series ⁽¹⁾								
In (A)		< 32	35-63	80	100	125	160	200	250	
Downstream device										
In max (A) Icu (kA)		Reinforced breaking capacity (kA) ⁽²⁾								
iC40N	4	10	100	10	10	10	10	10	10	10
	40	10	100	100	100	36	36	15	15	15
iDPN N	4	10	100	10	10	10	10	10	10	10
	40	10	100	100	100	36	36	15	15	15
iC60N	4	50	100	100	100	100	50	50	50	50
	63	10	100	100	100	100	36	15	10	10
iC60H	4	70	100	100	100	100	70	70	70	70
	63	15	100	100	100	100	50	20	15	15
iC60L	4	100	100	100	100	100	100	100	100	100
	25	25	100	100	100	100	50	25	25	25
	40	20	100	100	100	100	50	25	20	20
	63	15	100	100	100	100	50	20	15	15
C120N	125	10	100	100	100	100	100	50	25	10
C120H	125	15	100	100	100	100	100	50	25	15
NG125N	125	25	100	100	100	100	100	50	36	25
NG125H	80	36	100	100	100	100	100	100	60	36
NG125L	80	50	100	100	100	100	100	100	60	50

The enhanced breaking capacity is indicated in kA according to IEC 60947-2 annex A.

(1) The NH series comprises NH000, NH00, NH0, NH1 and NH2 fuses. The minimum energy limiting values I²t were determined with Mersen and Bussmann fuses.

(2) The maximum reinforced breaking capacity is limited to 100 kA, but it can be up to 120 kA for other fuse brands. This 120 kA value can be used if the minimum energy limiting values I²t comply with the characteristics of Mersen and Bussmann fuses.

NH/RCBO (iCV40, iDPN Vigi, iC60 RCBO)

Upstream		NH series								
In (A)		< 32	35-63	80	100	125	160	200	250	
Downstream device										
In max (A) Icn (kA)		Reinforced breaking capacity (kA) ⁽²⁾								
iCV40N	40	6	100	100	50	25	25	6	6	6
iCV40H	40	10	100	100	70	36	36	10	10	10
iDPN N Vigi	40	6	100	100	50	25	25	6	6	6
iDPN H Vigi	40	10	100	100	70	36	36	10	10	10
iC60 RCBO ⁽³⁾	32	6	100	100	70	36	36	6	6	6

The enhanced breaking capacity is indicated in kA according to IEC 60947-2 annex A.

(3) U_e=400 V AC (Ph/Ph) for 3P, 4P products.