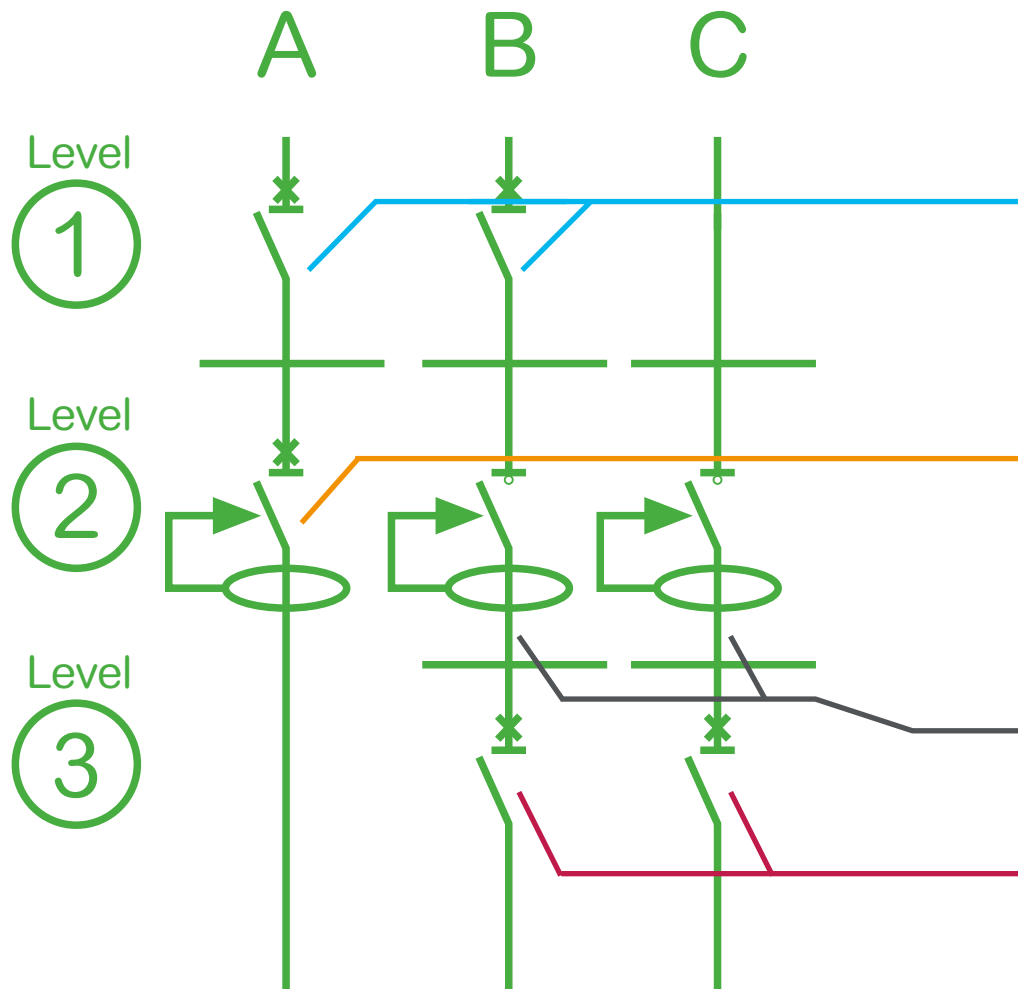


# Selection guide for equipment with residual current protection - $I_{sc,max}$ : 25kA

The following compositions can be used:



Un: 230-240V/380-415V TT and TN earthing systems			
MCB's / MCCB's	Trip units	In	Valid combinations
NG125N	Thermal-Magnetic	10-125A	A/B
NG125L	Thermal-Magnetic	10-80A	A/B/C*( $\leq 25A$ iID)
NSXmB/F	Thermal-Magnetic	16-160A	A/B (NSXmE not valid)
NSX100	TM/Micrologic	16-100A	A/B
NSX160	TM/Micrologic	16-160A	A/B
NSX250	TM/Micrologic	16-250A	A
RCBO's	Number of poles	In	Valid combinations
iC40N + Vigi	1P+N/3P+N	2-40A	A (only with NG125L)
iCV40N RCBO	1P+N/3P+N	6-40A	A (only with NG125L)
iCV40H RCBO	1P+N/3P+N	6-32A	A (only with NG125L)
iC60N Vigi	1P+N/3P+N	0,5-63A	A (not with NSXmB & NSX_B)
iC60/H/L Vigi	1P+N/3P+N	0,5-63A	A
iC60 RCBO	2P	6-32A	A
iC60 RCBO	4P	6-32A	A (only with NG125N/L)
RCD's	Number of poles	In	Valid combinations
iID - type A	2/4	25-100A	B/C*
iID - type B	2/4	25-80A	B/C*
MCB's	Number of poles	In	Valid combinations
iC60N/H/L	1P+N-4P	0,5-40A	B
iC60L	1P+N-4P	0,5-25A	C* ( $\leq 25A$ iID)

Connections between level 2 (residual current protection devices) and level 3 (miniature circuit breakers) must be installed so that the possibility for short circuit and earth fault may be considered excluded.

\* For combination C, miniature circuit breaker can be placed in either level 1 or 3. If it is placed in level 1, the connections between level 1 and 2 do not have to be performed the same way as between level 2 and 3.

Life Is On

**Schneider**  
Electric

# Back-up table Un: 230-240V/380-415V TT & TN systems

Combination A <small>See diagram on page 1.</small>								
	MCCB's ①	NG125N	NG125L	NSXmE	NSXmB/F	NS(X)100B/F/N	NS(X)160B/F/N	NS(X)250B/F/N
RCBO's ②	In ②	Combined breaking capacity via Back-up (kA)						
iC40 + Vigi	2-40A	10	20	10	10	10	10	10
iC40N + Vigi	2-16A	20	25	16	20	20	20	20
iC40N + Vigi	20-40A	16	25	16	16	16	16	16
iCV40N RCBO	6-16A	20	25	16	20	20	20	20
iCV40N RCBO	20-40A	16	25	16	16	16	16	16
iCV40H RCBO	6-16A	20	25	16	20	20	20	20
iCV40H RCBO	20-32A	16	25	16	16	16	16	16
iC60 RCBO 2P	6-32A	25	36	16	25	25	25	25
iC60 RCBO 4P	6-20A	25	25	16	20	20	20	20
iC60 RCBO 4P	25-32A	25	25	16	20	20	20	16
iC60N Vigi	0,5-63A	25	25	16	20/25	20/25/30	20/25/30	20/25/25
iC60H Vigi	0,5-63A	25	36	16	25	36	30	25
iC60L Vigi	0,5-25A	25	50	16	25	40	40	30
iC60L Vigi	32-40A	25	50	16	25	40	40	30
iC60L Vigi	50-63A	25	36	16	25	36	30	25

Combination B <small>Always including iLD RCD's in level 2. In for those RCD's is between 25 &amp; 100A, if not otherwise specified in the table.</small>			
Upstream MCCB ①	Downstream MCB ③	In ③	Combined breaking capacity via Back-up (kA)
NG125N/L	iC40N	2-16A	16
NG125N/L	iC40N	20-40A	10
NSXm E/B/F	iC40N	2-16A	16
NSXm E/B/F	iC40N	20-40A	10
NS(X)100/160/250	iC40N	2-16A	16
NS(X)100/160/250	iC40N	20-40A	10
NG125N/L	iC60N/H/L	0,5-40A	25
NG125N/L	iC60N/H/L	50-63A	16
NSXm E	iC60N/H/L	0,5-63A	16
NSXm B/F	iC60N/H/L	0,5-40A	25
NSXm B/F	iC60N/H/L	50-63A	16
NS(X)100/160	iC60N/H/L	0,5-40A	25
NS(X)100/160	iC60N/H/L	50-63A	16
NS(X)250	iC60N/H/L	0,5-40A	20
NS(X)250	iC60N/H/L	50-63A	16

Combination C <small>Always including iLD RCD's in level 2. In for those RCD's is between 25 &amp; 100A, if not otherwise specified in the table.</small>			
Upstream MCCB ①	Downstream MCB ③	In ③	Combined breaking capacity via Back-up (kA)
-	iC60N	0,5-63A	10
-	iC60H	0,5-63A	16
-	iC60L	0,5-63A	25(25A iLD) – 20(40A iLD) – 16(63A iLD)
NG125N (10-63A)	-	-	16(25-40A iLD) – 10(63A iLD)
NG125L	-	-	25(25A iLD) – 20(40A iLD) – 10(63-80A iLD)
NSXm B/F	-	-	5
NS(X)100/160	-	-	5

Schneider Electric Danmark A/S

Lautrupvang 1  
2750 Ballerup  
Telefon: 88 30 20 00

[www.se.com/dk](http://www.se.com/dk)

10 - 2019

© 2019 Schneider Electric. All rights reserved. Schneider Electric is a trademark and is owned by Schneider Electric SE, its subsidiaries and associates.

Please note that the RCCB's also have to be protected against overload situation.

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication. Schneider Electric shall be responsible or liable for misuse of the information contained herein.

Life Is On

**Schneider**  
Electric