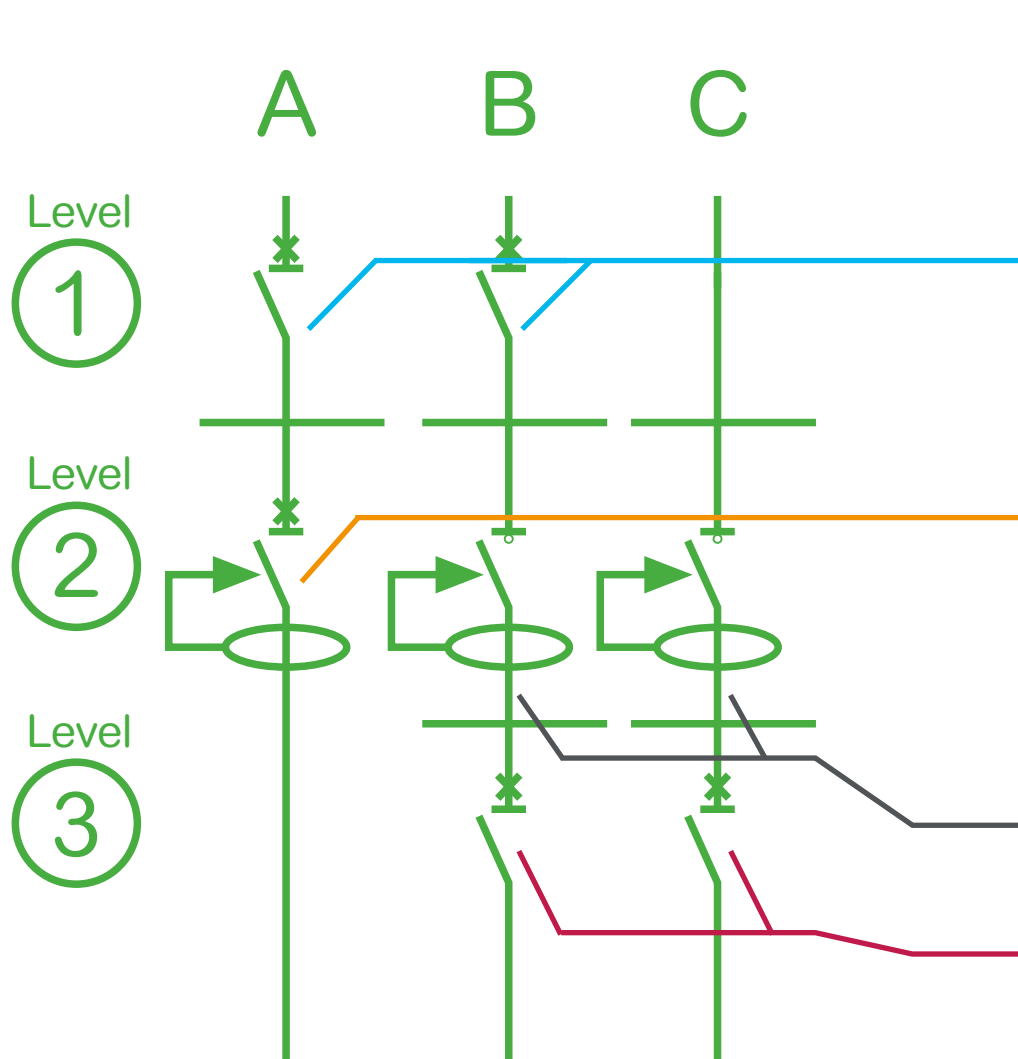


Selection guide for equipment with residual current protection - $I_{sc,max}$: 20kA

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 * ($\leq 40A$ 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/B
RCBO's	Number of poles	In	Valid combinations
iC40 + Vigī	1P+N/3P+N	2-40A	A (only with NG125L)
iC40N + Vigī	1P+N/3P+N	2-16A	A
iC40N + Vigī	1P+N/3P+N	20-40A	A (only with NG125L)
iCV40N RCBO	1P+N/3P+N	6-16A	A
iCV40N RCBO	1P+N/3P+N	20-40A	A (only with NG125L)
iCV40H RCBO	1P+N/3P+N	6-16A	A
iCV40H RCBO	1P+N/3P+N	20-32A	A (only with NG125L)
iC60 RCBO	2P	6-32A	A
iC60 RCBO	4P	6-20A	A
iC60 RCBO	4P	25-32A	A (not valid with NSX250)
iC60N/H/L Vigī	1P+N/3P+N	0,5-63A	A
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	1P+N-4P	0,5-40A	B
iC60L	1P+N-4P	0,5-40A	B/C* ($\leq 40A$ 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.

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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 & 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 & 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

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

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