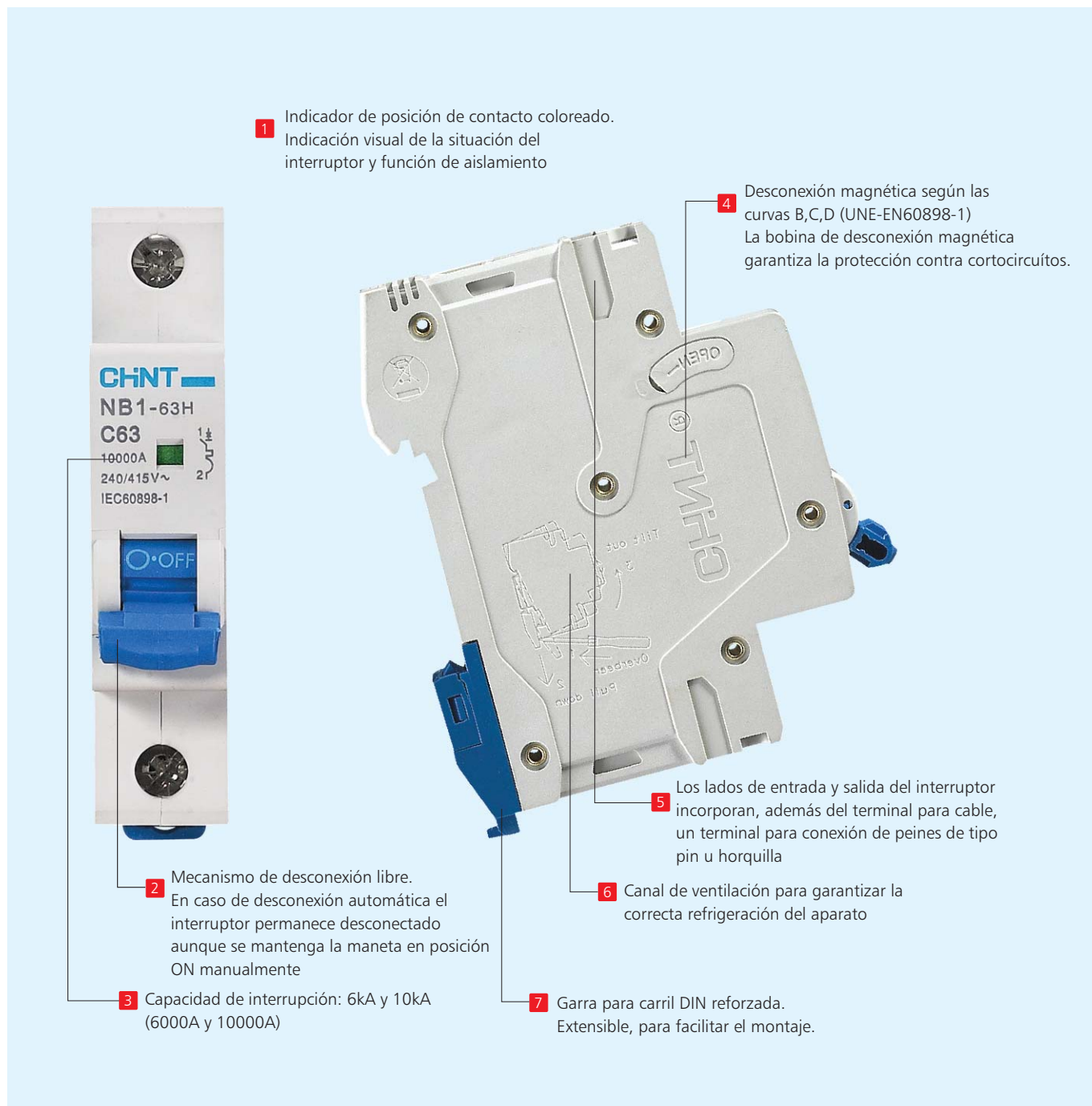


CE										RCC			
UE	Noruega	Reino Unido	Alemania	Suecia	Finlandia	República Checa	Indonesia	Ucrania	Rusia	Sudáfrica	Sri Lanka	EE.UU.	Canadá

NB1 - Interruptores automáticos



1. General

- 1.1 Uso:
Para la protección de cables y equipos contra sobrecargas y cortocircuitos.
- 1.2 Reglas generales para la selección de un interruptor automático
- a. Datos técnicos de la red en el punto considerado:
Sistema de conexión a tierra (TT, TNS, TNC). La corriente de cortocircuito en el punto de instalación del interruptor, debe ser siempre inferior al poder de corte de este dispositivo.
Tensión de red 230/400Vca.
- b. Curvas de protección
Curva B (3–5 In): protección y control de circuitos contra sobrecargas y cortocircuitos; protección de personas y de largas longitudes de cable (Curva de desconexión rápida)
Curva C (5–10 In): protección y control de circuitos contra sobrecargas y cortocircuitos; protección de cargas inductivas y resistivas (Curva de desconexión estándar)
Curva D (10–14 In): protección y control de circuitos contra sobrecargas y cortocircuitos; protección de circuitos que posean elevadas corrientes de cierre. (Curva de desconexión lenta).
- 1.3 Para obtener información detallada acerca de los certificados, consulte la tabla de la página 136.



2. Información general

2.1 En conformidad con la norma UNE-EN60898-1

Poder de corte: 6kA (6000A)

★ 1P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	12/180	NB1-1-1B	971276	NB1-1-1C	971332	NB1-1-1D	971388
2	12/180	NB1-1-2B	971277	NB1-1-2C	971333	NB1-1-2D	971389
3	12/180	NB1-1-3B	971278	NB1-1-3C	971334	NB1-1-3D	971390
4	12/180	NB1-1-4B	971279	NB1-1-4C	971335	NB1-1-4D	971391
6	12/180	NB1-1-6B	971280	NB1-1-6C	971336	NB1-1-6D	971392
10	12/180	NB1-1-10B	971281	NB1-1-10C	971337	NB1-1-10D	971393
13	12/180	NB1-1-13B	971282	NB1-1-13C	971338	NB1-1-13D	971394
16	12/180	NB1-1-16B	971283	NB1-1-16C	971339	NB1-1-16D	971395
20	12/180	NB1-1-20B	971284	NB1-1-20C	971340	NB1-1-20D	971396
25	12/180	NB1-1-25B	971285	NB1-1-25C	971341	NB1-1-25D	971397
32	12/180	NB1-1-32B	971286	NB1-1-32C	971342	NB1-1-32D	971398
40	12/180	NB1-1-40B	971287	NB1-1-40C	971343	NB1-1-40D	971399
50	12/180	NB1-1-50B	971288	NB1-1-50C	971344	NB1-1-50D	971400
63	12/180	NB1-1-63B	971289	NB1-1-63C	971345	NB1-1-63D	971401

★ 2P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	6/90	NB1-2-1B	971290	NB1-2-1C	971346	NB1-2-1D	971402
2	6/90	NB1-2-2B	971291	NB1-2-2C	971347	NB1-2-2D	971403
3	6/90	NB1-2-3B	971292	NB1-2-3C	971348	NB1-2-3D	971404
4	6/90	NB1-2-4B	971293	NB1-2-4C	971349	NB1-2-4D	971405
6	6/90	NB1-2-6B	971294	NB1-2-6C	971350	NB1-2-6D	971406
10	6/90	NB1-2-10B	971295	NB1-2-10C	971351	NB1-2-10D	971407
13	6/90	NB1-2-13B	971296	NB1-2-13C	971352	NB1-2-13D	971408
16	6/90	NB1-2-16B	971297	NB1-2-16C	971353	NB1-2-16D	971409
20	6/90	NB1-2-20B	971298	NB1-2-20C	971354	NB1-2-20D	971410
25	6/90	NB1-2-25B	971299	NB1-2-25C	971355	NB1-2-25D	971411
32	6/90	NB1-2-32B	971300	NB1-2-32C	971356	NB1-2-32D	971412
40	6/90	NB1-2-40B	971301	NB1-2-40C	971357	NB1-2-40D	971413
50	6/90	NB1-2-50B	971302	NB1-2-50C	971358	NB1-2-50D	971414
63	6/90	NB1-2-63B	971303	NB1-2-63C	971359	NB1-2-63D	971415

★ 3P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	4/60	NB1-3-1B	971304	NB1-3-1C	971360	NB1-3-1D	971416
2	4/60	NB1-3-2B	971305	NB1-3-2C	971361	NB1-3-2D	971417
3	4/60	NB1-3-3B	971306	NB1-3-3C	971362	NB1-3-3D	971418
4	4/60	NB1-3-4B	971307	NB1-3-4C	971363	NB1-3-4D	971419
6	4/60	NB1-3-6B	971308	NB1-3-6C	971364	NB1-3-6D	971420
10	4/60	NB1-3-10B	971309	NB1-3-10C	971365	NB1-3-10D	971421
13	4/60	NB1-3-13B	971310	NB1-3-13C	971366	NB1-3-13D	971422
16	4/60	NB1-3-16B	971311	NB1-3-16C	971367	NB1-3-16D	971423
20	4/60	NB1-3-20B	971312	NB1-3-20C	971368	NB1-3-20D	971424
25	4/60	NB1-3-25B	971313	NB1-3-25C	971369	NB1-3-25D	971425
32	4/60	NB1-3-32B	971314	NB1-3-32C	971370	NB1-3-32D	971426
40	4/60	NB1-3-40B	971315	NB1-3-40C	971371	NB1-3-40D	971427
50	4/60	NB1-3-50B	971316	NB1-3-50C	971372	NB1-3-50D	971428
63	4/60	NB1-3-63B	971317	NB1-3-63C	971373	NB1-3-63D	971429

★ 4P



In (A)	Embajaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	3/45	NB1-4-1B	971318	NB1-4-1C	971374	NB1-4-1D	971430
2	3/45	NB1-4-2B	971319	NB1-4-2C	971375	NB1-4-2D	971431
3	3/45	NB1-4-3B	971320	NB1-4-3C	971376	NB1-4-3D	971432
4	3/45	NB1-4-4B	971321	NB1-4-4C	971377	NB1-4-4D	971433
6	3/45	NB1-4-6B	971322	NB1-4-6C	971378	NB1-4-6D	971434
10	3/45	NB1-4-10B	971323	NB1-4-10C	971379	NB1-4-10D	971435
13	3/45	NB1-4-13B	971324	NB1-4-13C	971380	NB1-4-13D	971436
16	3/45	NB1-4-16B	971325	NB1-4-16C	971381	NB1-4-16D	971437
20	3/45	NB1-4-20B	971326	NB1-4-20C	971382	NB1-4-20D	971438
25	3/45	NB1-4-25B	971327	NB1-4-25C	971383	NB1-4-25D	971439
32	3/45	NB1-4-32B	971328	NB1-4-32C	971384	NB1-4-32D	971440
40	3/45	NB1-4-40B	971329	NB1-4-40C	971385	NB1-4-40D	971441
50	3/45	NB1-4-50B	971330	NB1-4-50C	971386	NB1-4-50D	971442
63	3/45	NB1-4-63B	971331	NB1-4-63C	971387	NB1-4-63D	971443

2.2 En conformidad con la norma UNE-EN 60898-1

Poder de corte: 10kA (10000A) - 1 a 32A = 15kA (15000A) según UNE-EN60947-2

★ 1P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	12/180	NB1-1-1B10	971780	NB1-1-1C10	971836	NB1-1-1D10	971892
2	12/180	NB1-1-2B10	971781	NB1-1-2C10	971837	NB1-1-2D10	971893
3	12/180	NB1-1-3B10	971782	NB1-1-3C10	971838	NB1-1-3D10	971894
4	12/180	NB1-1-4B10	971783	NB1-1-4C10	971839	NB1-1-4D10	971895
6	12/180	NB1-1-6B10	971784	NB1-1-6C10	971840	NB1-1-6D10	971896
10	12/180	NB1-1-10B10	971785	NB1-1-10C10	971841	NB1-1-10D10	971897
13	12/180	NB1-1-13B10	971786	NB1-1-13C10	971842	NB1-1-13D10	971898
16	12/180	NB1-1-16B10	971787	NB1-1-16C10	971843	NB1-1-16D10	971899
20	12/180	NB1-1-20B10	971788	NB1-1-20C10	971844	NB1-1-20D10	971900
25	12/180	NB1-1-25B10	971789	NB1-1-25C10	971845	NB1-1-25D10	971901
32	12/180	NB1-1-32B10	971790	NB1-1-32C10	971846	NB1-1-32D10	971902
40	12/180	NB1-1-40B10	971791	NB1-1-40C10	971847	NB1-1-40D10	971903
50	12/180	NB1-1-50B10	971792	NB1-1-50C10	971848	NB1-1-50D10	971904
63	12/180	NB1-1-63B10	971793	NB1-1-63C10	971849	NB1-1-63D10	971905

★ 2P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	6/90	NB1-2-1B10	971794	NB1-2-1C10	971850	NB1-2-1D10	971906
2	6/90	NB1-2-2B10	971795	NB1-2-2C10	971851	NB1-2-2D10	971907
3	6/90	NB1-2-3B10	971796	NB1-2-3C10	971852	NB1-2-3D10	971908
4	6/90	NB1-2-4B10	971797	NB1-2-4C10	971853	NB1-2-4D10	971909
6	6/90	NB1-2-6B10	971798	NB1-2-6C10	971854	NB1-2-6D10	971910
10	6/90	NB1-2-10B10	971799	NB1-2-10C10	971855	NB1-2-10D10	971911
13	6/90	NB1-2-13B10	971800	NB1-2-13C10	971856	NB1-2-13D10	971912
16	6/90	NB1-2-16B10	971801	NB1-2-16C10	971857	NB1-2-16D10	971913
20	6/90	NB1-2-20B10	971802	NB1-2-20C10	971858	NB1-2-20D10	971914
25	6/90	NB1-2-25B10	971803	NB1-2-25C10	971859	NB1-2-25D10	971915
32	6/90	NB1-2-32B10	971804	NB1-2-32C10	971860	NB1-2-32D10	971916
40	6/90	NB1-2-40B10	971805	NB1-2-40C10	971861	NB1-2-40D10	971917
50	6/90	NB1-2-50B10	971806	NB1-2-50C10	971862	NB1-2-50D10	971918
63	6/90	NB1-2-63B10	971807	NB1-2-63C10	971863	NB1-2-63D10	971919

★ 3P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	4/60	NB1-3-1B10	971808	NB1-3-1C10	971864	NB1-3-1D10	971920
2	4/60	NB1-3-2B10	971809	NB1-3-2C10	971865	NB1-3-2D10	971921
3	4/60	NB1-3-3B10	971810	NB1-3-3C10	971866	NB1-3-3D10	971922
4	4/60	NB1-3-4B10	971811	NB1-3-4C10	971867	NB1-3-4D10	971923
6	4/60	NB1-3-6B10	971812	NB1-3-6C10	971868	NB1-3-6D10	971924
10	4/60	NB1-3-10B10	971813	NB1-3-10C10	971869	NB1-3-10D10	971925
13	4/60	NB1-3-13B10	971814	NB1-3-13C10	971870	NB1-3-13D10	971926
16	4/60	NB1-3-16B10	971815	NB1-3-16C10	971871	NB1-3-16D10	971927
20	4/60	NB1-3-20B10	971816	NB1-3-20C10	971872	NB1-3-20D10	971928
25	4/60	NB1-3-25B10	971817	NB1-3-25C10	971873	NB1-3-25D10	971929
32	4/60	NB1-3-32B10	971818	NB1-3-32C10	971874	NB1-3-32D10	971930
40	4/60	NB1-3-40B10	971819	NB1-3-40C10	971875	NB1-3-40D10	971931
50	4/60	NB1-3-50B10	971820	NB1-3-50C10	971876	NB1-3-50D10	971932
63	4/60	NB1-3-63B10	971821	NB1-3-63C10	971877	NB1-3-63D10	971933

★ 4P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	3/45	NB1-4-1B10	971822	NB1-4-1C10	971878	NB1-4-1D10	971934
2	3/45	NB1-4-2B10	971823	NB1-4-2C10	971879	NB1-4-2D10	971935
3	3/45	NB1-4-3B10	971824	NB1-4-3C10	971880	NB1-4-3D10	971936
4	3/45	NB1-4-4B10	971825	NB1-4-4C10	971881	NB1-4-4D10	971937
6	3/45	NB1-4-6B10	971826	NB1-4-6C10	971882	NB1-4-6D10	971938
10	3/45	NB1-4-10B10	971827	NB1-4-10C10	971883	NB1-4-10D10	971939
13	3/45	NB1-4-13B10	971828	NB1-4-13C10	971884	NB1-4-13D10	971940
16	3/45	NB1-4-16B10	971829	NB1-4-16C10	971885	NB1-4-16D10	971941
20	3/45	NB1-4-20B10	971830	NB1-4-20C10	971886	NB1-4-20D10	971942
25	3/45	NB1-4-25B10	971831	NB1-4-25C10	971887	NB1-4-25D10	971943
32	3/45	NB1-4-32B10	971832	NB1-4-32C10	971888	NB1-4-32D10	971944
40	3/45	NB1-4-40B10	971833	NB1-4-40C10	971889	NB1-4-40D10	971945
50	3/45	NB1-4-50B10	971834	NB1-4-50C10	971890	NB1-4-50D10	971946
63	3/45	NB1-4-63B10	971835	NB1-4-63C10	971891	NB1-4-63D10	971947

2.3 En conformidad con la norma UNE 20317 (ICP) - Aprobación: CM/AU/02-08 - B.O.E.: 13/11/2008

Poder de corte: 6kA (6000A) - Interruptores de Control de Potencia (ICP-M)

★ 1P



In (A)	Embalaje	Referencia	Código
3	12/180	NB1-ICP-1-3	
3.5	12/180	NB1-ICP-1-3,5	
5	12/180	NB1-ICP-1-5	
10	12/180	NB1-ICP-1-10	
15	12/180	NB1-ICP-1-15	
20	12/180	NB1-ICP-1-20	
25	12/180	NB1-ICP-1-25	
30	12/180	NB1-ICP-1-30	
35	12/180	NB1-ICP-1-35	
40	12/180	NB1-ICP-1-40	
45	12/180	NB1-ICP-1-45	
50	12/180	NB1-ICP-1-50	
63	12/180	NB1-ICP-1-63	

★ 2P



In (A)	Embalaje	Referencia	Código
3	6/90	NB1-ICP-2-3	
3.5	6/90	NB1-ICP-2-3,5	
5	6/90	NB1-ICP-2-5	
10	6/90	NB1-ICP-2-10	
15	6/90	NB1-ICP-2-15	
20	6/90	NB1-ICP-2-20	
25	6/90	NB1-ICP-2-25	
30	6/90	NB1-ICP-2-30	
35	6/90	NB1-ICP-2-35	
40	6/90	NB1-ICP-2-40	
45	6/90	NB1-ICP-2-45	
50	6/90	NB1-ICP-2-50	
63	6/90	NB1-ICP-2-63	

★ 3P



In (A)	Embalaje	Referencia	Código
3	4/60	NB1-ICP-3-3	
3.5	4/60	NB1-ICP-3-3,5	
5	4/60	NB1-ICP-3-5	
10	4/60	NB1-ICP-3-10	
15	4/60	NB1-ICP-3-15	
20	4/60	NB1-ICP-3-20	
25	4/60	NB1-ICP-3-25	
30	4/60	NB1-ICP-3-30	
35	4/60	NB1-ICP-3-35	
40	4/60	NB1-ICP-3-40	
45	4/60	NB1-ICP-3-45	
50	4/60	NB1-ICP-3-50	
63	4/60	NB1-ICP-3-63	

★ 4P



In (A)	Embalaje	Referencia	Código
3	3/45	NB1-ICP-4-3	
3.5	3/45	NB1-ICP-4-3,5	
5	3/45	NB1-ICP-4-5	
10	3/45	NB1-ICP-4-10	
15	3/45	NB1-ICP-4-15	
20	3/45	NB1-ICP-4-20	
25	3/45	NB1-ICP-4-25	
30	3/45	NB1-ICP-4-30	
35	3/45	NB1-ICP-4-35	
40	3/45	NB1-ICP-4-40	
45	3/45	NB1-ICP-4-45	
50	3/45	NB1-ICP-4-50	
63	3/45	NB1-ICP-4-63	

2.4 En conformidad con la norma UL1077 - UNE-EN 60898-1

Poder de corte: 5kA (5000A)

★ 1P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	12/180	NB1-UL-1-1B	985223	NB1-UL-1-1C	985275	NB1-UL-1-1D	985327
2	12/180	NB1-UL-1-2B	985224	NB1-UL-1-2C	985276	NB1-UL-1-2D	985328
3	12/180	NB1-UL-1-3B	985225	NB1-UL-1-3C	985277	NB1-UL-1-3D	985329
4	12/180	NB1-UL-1-4B	985226	NB1-UL-1-4C	985278	NB1-UL-1-4D	985330
6	12/180	NB1-UL-1-6B	985227	NB1-UL-1-6C	985279	NB1-UL-1-6D	985331
10	12/180	NB1-UL-1-10B	985228	NB1-UL-1-10C	985280	NB1-UL-1-10D	985332
16	12/180	NB1-UL-1-16B	985229	NB1-UL-1-16C	985281	NB1-UL-1-16D	985333
20	12/180	NB1-UL-1-20B	985230	NB1-UL-1-20C	985282	NB1-UL-1-20D	985334
25	12/180	NB1-UL-1-25B	985231	NB1-UL-1-25C	985283	NB1-UL-1-25D	985335
32	12/180	NB1-UL-1-32B	985232	NB1-UL-1-32C	985284	NB1-UL-1-32D	985336
40	12/180	NB1-UL-1-40B	985233	NB1-UL-1-40C	985285	NB1-UL-1-40D	985337
50	12/180	NB1-UL-1-50B	985234	NB1-UL-1-50C	985286	NB1-UL-1-50D	985338
63	12/180	NB1-UL-1-63B	985235	NB1-UL-1-63C	985287	NB1-UL-1-63D	985339

★ 2P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	6/90	NB1-UL-2-1B	985236	NB1-UL-2-1C	985288	NB1-UL-2-1D	985340
2	6/90	NB1-UL-2-2B	985237	NB1-UL-2-2C	985289	NB1-UL-2-2D	985341
3	6/90	NB1-UL-2-3B	985238	NB1-UL-2-3C	985290	NB1-UL-2-3D	985342
4	6/90	NB1-UL-2-4B	985239	NB1-UL-2-4C	985291	NB1-UL-2-4D	985343
6	6/90	NB1-UL-2-6B	985240	NB1-UL-2-6C	985292	NB1-UL-2-6D	985343
10	6/90	NB1-UL-2-10B	985241	NB1-UL-2-10C	985293	NB1-UL-2-10D	985345
16	6/90	NB1-UL-2-16B	985242	NB1-UL-2-16C	985294	NB1-UL-2-16D	985346
20	6/90	NB1-UL-2-20B	985243	NB1-UL-2-20C	985295	NB1-UL-2-20D	985347
25	6/90	NB1-UL-2-25B	985244	NB1-UL-2-25C	985296	NB1-UL-2-25D	985348
32	6/90	NB1-UL-2-32B	985245	NB1-UL-2-32C	985297	NB1-UL-2-32D	985349
40	6/90	NB1-UL-2-40B	985246	NB1-UL-2-40C	985298	NB1-UL-2-40D	985350
50	6/90	NB1-UL-2-50B	985247	NB1-UL-2-50C	985299	NB1-UL-2-50D	985351
63	6/90	NB1-UL-2-63B	985248	NB1-UL-2-63C	985300	NB1-UL-2-63D	985352

★ 3P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	4/60	NB1-UL-3-1B	985249	NB1-UL-3-1C	985301	NB1-UL-3-1D	985353
2	4/60	NB1-UL-3-2B	985250	NB1-UL-3-2C	985302	NB1-UL-3-2D	985354
3	4/60	NB1-UL-3-3B	985251	NB1-UL-3-3C	985303	NB1-UL-3-3D	985355
4	4/60	NB1-UL-3-4B	985252	NB1-UL-3-4C	985304	NB1-UL-3-4D	985356
6	4/60	NB1-UL-3-6B	985253	NB1-UL-3-6C	985305	NB1-UL-3-6D	985357
10	4/60	NB1-UL-3-10B	985254	NB1-UL-3-10C	985306	NB1-UL-3-10D	985358
16	4/60	NB1-UL-3-16B	985255	NB1-UL-3-16C	985307	NB1-UL-3-16D	985359
20	4/60	NB1-UL-3-20B	985256	NB1-UL-3-20C	985308	NB1-UL-3-20D	985360
25	4/60	NB1-UL-3-25B	985257	NB1-UL-3-25C	985309	NB1-UL-3-25D	985361
32	4/60	NB1-UL-3-32B	985258	NB1-UL-3-32C	985310	NB1-UL-3-32D	985362
40	4/60	NB1-UL-3-40B	985259	NB1-UL-3-40C	985311	NB1-UL-3-40D	985363
50	4/60	NB1-UL-3-50B	985260	NB1-UL-3-50C	985312	NB1-UL-3-50D	985364
63	4/60	NB1-UL-3-63B	985261	NB1-UL-3-63C	985313	NB1-UL-3-63D	985365

★ 4P



In (A)	Embalaje	Referencias y Códigos					
		Curva B		Curva C		Curva D	
		Referencia	Código	Referencia	Código	Referencia	Código
1	3/45	NB1-UL-3-1B	985262	NB1-UL-3-1C	985314	NB1-UL-3-1D	985366
2	3/45	NB1-UL-3-2B	985263	NB1-UL-3-2C	985315	NB1-UL-3-2D	985367
3	3/45	NB1-UL-3-3B	985264	NB1-UL-3-3C	985316	NB1-UL-3-3D	985368
4	3/45	NB1-UL-3-4B	985265	NB1-UL-3-4C	985317	NB1-UL-3-4D	985369
6	3/45	NB1-UL-3-6B	985266	NB1-UL-3-6C	985318	NB1-UL-3-6D	985370
10	3/45	NB1-UL-3-10B	985267	NB1-UL-3-10C	985319	NB1-UL-3-10D	985371
16	3/45	NB1-UL-3-16B	985268	NB1-UL-3-16C	985320	NB1-UL-3-16D	985372
20	3/45	NB1-UL-3-20B	985269	NB1-UL-3-20C	985321	NB1-UL-3-20D	985373
25	3/45	NB1-UL-3-25B	985270	NB1-UL-3-25C	985322	NB1-UL-3-25D	985374
32	3/45	NB1-UL-3-32B	985271	NB1-UL-3-32C	985323	NB1-UL-3-32D	985375
40	3/45	NB1-UL-3-40B	985272	NB1-UL-3-40C	985324	NB1-UL-3-40D	985376
50	3/45	NB1-UL-3-50B	985273	NB1-UL-3-50C	985325	NB1-UL-3-50D	985377
63	3/45	NB1-UL-3-63B	985274	NB1-UL-3-63C	985326	NB1-UL-3-63D	985378

2.5 En conformidad con la norma UL1077 - UNE-EN 60898-1

Poder de corte: 10kA (10000A) - Aparatos para uso en Corriente Continua

★ 1P

In (A)	Embalaje	Referencias y Códigos			
		Curva 4-7		Curva 7-15	
		Referencia	Código	Referencia	Código
1	12/180	NB1-1-1CC47	985431	NB1-1-1CC715	985457
2	12/180	NB1-1-2CC47	985432	NB1-1-2CC715	985458
3	12/180	NB1-1-3CC47	985433	NB1-1-3CC715	985459
4	12/180	NB1-1-4CC47	985434	NB1-1-4CC715	985460
6	12/180	NB1-1-6CC47	985435	NB1-1-6CC715	985461
10	12/180	NB1-1-10CC47	985436	NB1-1-10CC715	985462
16	12/180	NB1-1-16CC47	985437	NB1-1-16CC715	985463
20	12/180	NB1-1-20CC47	985438	NB1-1-20CC715	985464
25	12/180	NB1-1-25CC47	985439	NB1-1-25CC715	985465
32	12/180	NB1-1-32CC47	985440	NB1-1-32CC715	985466
40	12/180	NB1-1-40CC47	985441	NB1-1-40CC715	985467
50	12/180	NB1-1-50CC47	985442	NB1-1-50CC715	985468
63	12/180	NB1-1-63CC47	985443	NB1-1-63CC715	985469

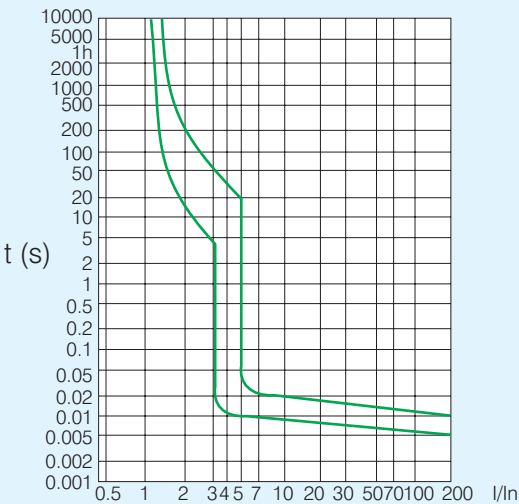
★ 2P

In (A)	Embalaje	Referencias y Códigos			
		Curva 4-7		Curva 7-15	
		Referencia	Código	Referencia	Código
1	6/90	NB1-2-1CC47	985444	NB1-1-1CC715	985470
2	6/90	NB1-2-2CC47	985445	NB1-1-2CC715	985471
3	6/90	NB1-2-3CC47	985446	NB1-1-3CC715	985472
4	6/90	NB1-2-4CC47	985447	NB1-1-4CC715	985473
6	6/90	NB1-2-6CC47	985448	NB1-1-6CC715	985474
10	6/90	NB1-2-10CC47	985449	NB1-1-10CC715	985475
16	6/90	NB1-2-16CC47	985450	NB1-1-16CC715	985476
20	6/90	NB1-2-20CC47	985451	NB1-1-20CC715	985477
25	6/90	NB1-2-25CC47	985452	NB1-1-25CC715	985478
32	6/90	NB1-2-32CC47	985453	NB1-1-32CC715	985479
40	6/90	NB1-2-40CC47	985454	NB1-1-40CC715	985480
50	6/90	NB1-2-50CC47	985455	NB1-1-50CC715	985481
63	6/90	NB1-2-63CC47	985456	NB1-1-63CC715	985482

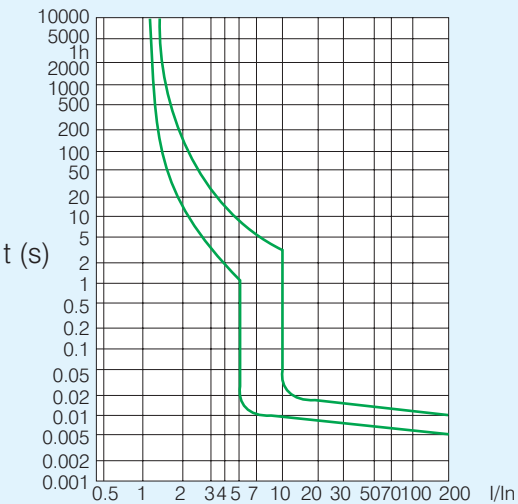
3. Características técnicas

3.1 Curvas

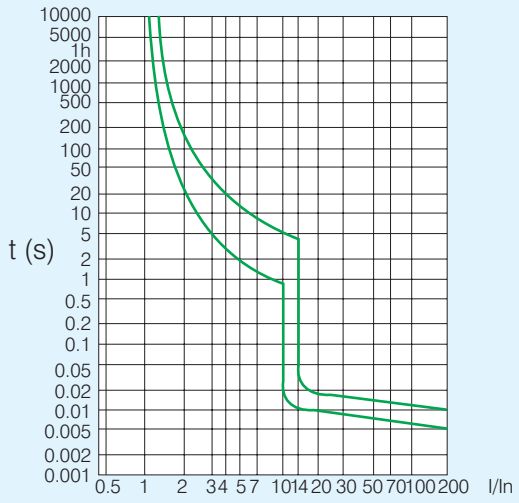
Curva B para CA



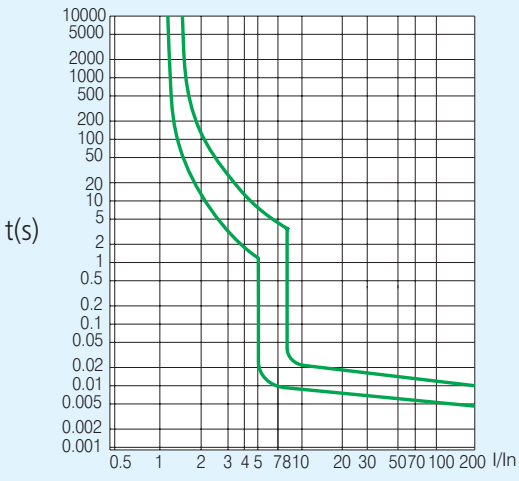
Curva C para CA



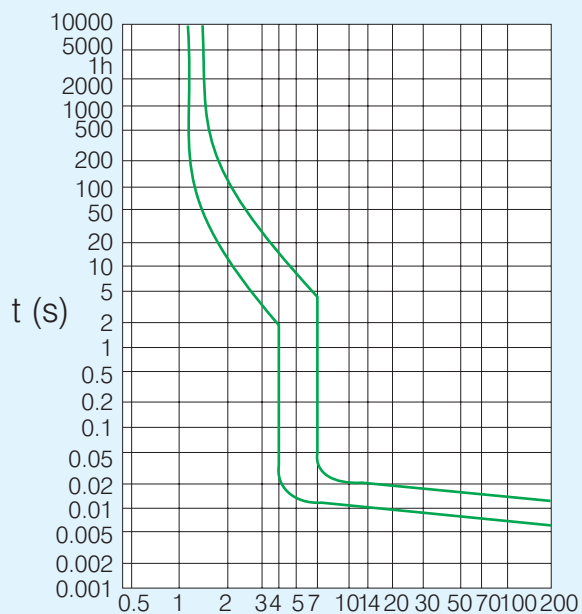
Curva D para CA



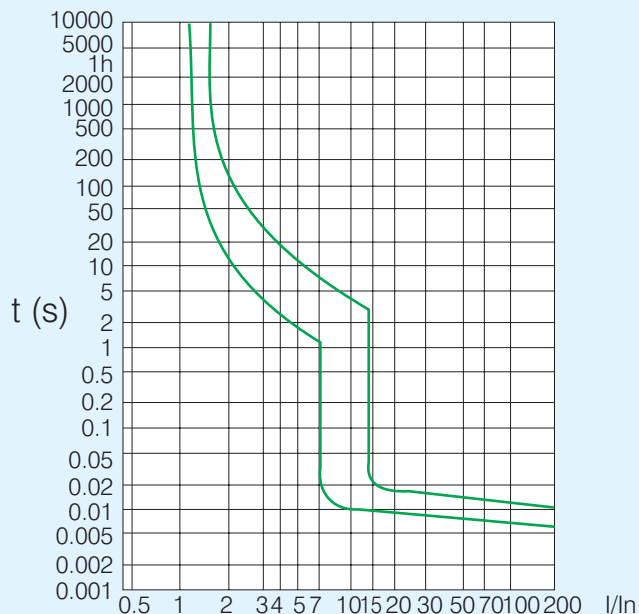
Curva ICP



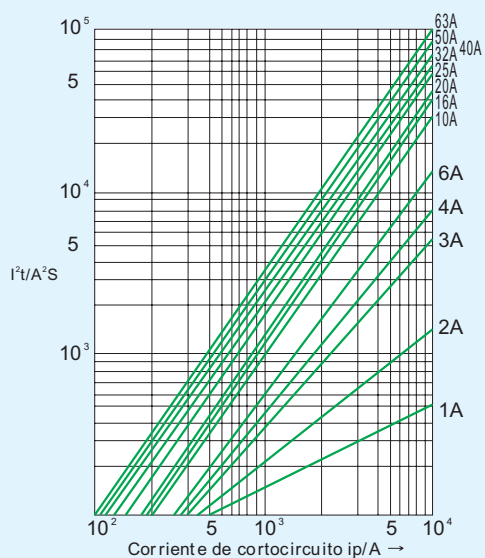
Curva 4-7 para C.C.



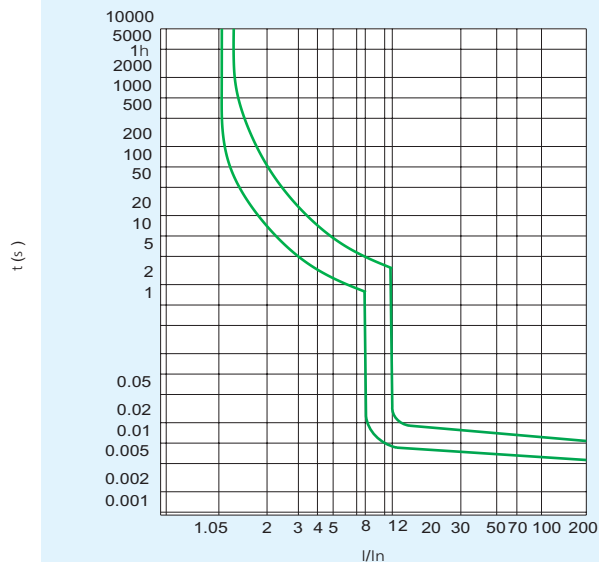
Curva 7-15 para C.C.



I^2t



Curvas según UNE-EN 60947-2



3.2 Características técnicas

Característica			UNE-20317	UNE-EN 60898-1	UNE-EN 60947-2	UL1077	UL1077	
Características eléctricas	Corriente nominal In	A	3,3.5,5,10,15 20,25,30,35 40,45,50,63	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63				
	Polos		1P, 2P, 3P, 4P		1P, 2P, 3P, 4P	1P, 2P, 3P, 4P	1P, 2P	
	Tensión nominal Ue	V	230/400		240/415	277/480	110/125	
	Tensión de aislamiento Ui	V	500					
	Frecuencia nominal		50/60Hz					C.C.
	Poder de corte nominal	A	6000	6000/10000	6000	5000	10000	
	Clase de limitación de energía		3					
	Impulso de tensión máx. (1.2/50) Uimp	V	6000					
	Tensión de prueba dieléctrica a freq.indust. (1 min.)	kV	2					
	Grado de contaminación		2					
	Pérdida de potencia por polo		Corriente nominal (A)				Max.pérdida potencia por polo (W)	
			1, 2, 3, 3.5, 4, 5, 6, 10				2	
			13, 16, 20, 25, 30, 32, 35				3.5	
			40, 45, 50, 63				5	
	Curvas de disparo		ICP	B, C, D	8-12In	B, C, D	4-7In, 7-14In	
Características mecánicas	Vida eléctrica		8000					
	Vida mecánica		20000					
	Indicador de posición de contactos		Si					
	Grado de protección		IP20					
	Temperatura de referencia para calibración de los aparatos	°C	30					
	Temperatura ambiente (con promedio diario ≤35°C)	°C	-5...+40 (Aplicaciones especiales: ver Pag.13 referente a la compensación por temperatura ambiente)					
	Temperatura de almacenamiento	°C	-25...+70					
Instalación	Tipo de terminales de conexión		Cable, Horquilla o Pin					
	Sección cable admisible terminales superior e inferior	mm²	25					
		AWG	18-3					
	Sección pletina admisible terminales superior e inferior	mm²	25					
		AWG	18-3					
	Par de apriete	N*m	2.5					
		In-lbs.	22					
Montaje		Sobre guía DIN UNE-EN 60715 (35mm) - Fijación a guía mediante garras						
Conexión		Entrada superior e inferior indistintamente						
Accesorios	Contacto auxiliar		Si					
	Bobina de emisión de tensión		Si					
	Bobina de mínima tensión		Si					
	Contacto de alarma		Si					

3.3 Selectividad

	In (A)	Aguas arriba: RT36-00 (fusible)								
		20	25	36	50	63	80	100	125	160
		Is (kA)								
Aguas abajo: NB1-63, NB1-63H Curvas B, C	≤2	1.2	4	>12	>12	>12	>12	>12	>12	>12
	3	0.7	1.2	3.8	5.3	6	6	6	6	6
	4	0.6	0.9	2.5	3.8	6	6	6	6	6
	6	0.5	0.8	1.9	2.5	4.5	5	6	6	6
	10		0.7	1.4	2.2	3.2	3.6	6	6	6
	16			1.2	1.8	2.6	3	5.6	6	6
	20				1.5	2.2	2.5	4.6	6	6
	25				1.3	2	2.2	4.1	5.5	6
	32					1.7	1.9	3.8	4.5	6
	40						1.7	3	4	5
	50						1.5	2.6	3.5	4.5
	63							2.4	3.3	4.5

	In (A)	Aguas arriba: NM8-100S/H/R								
		16	20	25	32	40	50	63	80	100
		Is (kA)								
Aguas abajo: NB1-63, NB1-63H Curvas B, C	≤10	0.19	0.19	0.3	0.4	0.5	0.5	0.5	0.63	0.8
	16			0.3	0.4	0.5	0.5	0.5	0.63	0.8
	20					0.5	0.5	0.5	0.63	0.8
	25						0.5	0.5	0.63	0.8
	32							0.5	0.63	0.8
	40								0.63	0.8
	50									0.8
	63									

3.4 Coordinación (Backup)

	In (A)	Aguas arriba: serie RT16							
		40	50	63	80	100	125	160	
		Is (kA)							
Aguas abajo: NB1-63, NB1-63H Curvas B, C	1~6	40	40	40	40	40	40	40	
	8~10	40	40	40	40	40	40	40	
	13	40	40	40	40	35	35	35	
	16	40	40	40	40	30	30	30	
	20	40	40	40	40	30	30	30	
	25	40	40	40	40	30	30	30	
	32	40	40	40	40	30	30	30	
	40	40	40	40	40	30	30	30	
	50	30	30	30	30	30	30	30	
	63	20	20	20	20	15	15	15	

	In (A)	Aguas arriba: NM8					
		NM8-125S	NM8-125H	NM8-125R	NM8-250S	NM8-250H	NM8-250R
		Is (kA)					
Aguas abajo: NB1-63, NB1-63H Curvas B, C	1~6	15	18	18	15	15	15
	10~20	12	15	15	12	12	12
	32~40	12	15	15	12	12	12
	50~60	12	15	15	12	12	12

3.5 Corrección por temperatura ambiente

La corriente máxima permisible en un interruptor depende de la temperatura ambiente del lugar donde se instale. La temperatura ambiente es la temperatura existente en el interior de la caja o del cuadro de distribución en donde estén instalados los interruptores. La temperatura de referencia es 30°C.

Temperatura	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	55°C	60°C
Coefficiente de compensación de temperatura	1.20	1.15	1.10	1.05	1.00	0.95	0.90	0.875	0.85

Si se instalan varios interruptores de funcionamiento simultáneo en una caja pequeña, el aumento de temperatura en el interior de la misma provocará una disminución de la corriente. En ése caso deberá asignarse a la corriente nominal (ya reducida si fuese necesario debido a la temperatura ambiente) un factor de disminución de 0,8.

4. Dimensiones generales y de montaje (mm)

Dimensiones generales y de montaje

