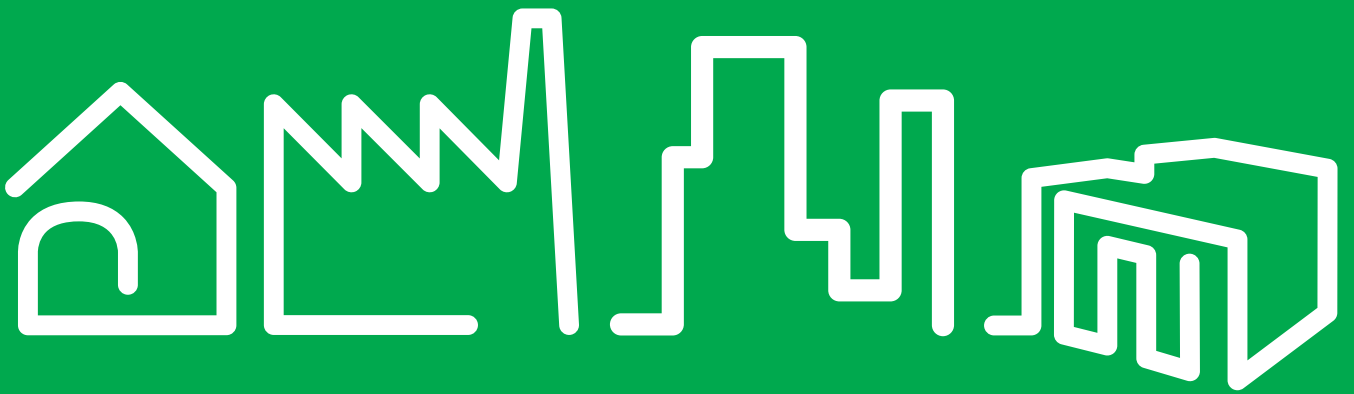


# Applications Guide



# Acti 9

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## Protection for specialised applications

Acti 9 is Schneider Electric's new core modular system that makes your power distribution installation safer, simpler and more efficient.

Whatever your specific application needs, we offer a range of dedicated Acti 9 units developed for specialised applications.

All units are fully tested, approved and certified by international standards. With Acti 9, you and your customers can rest assured that the installation is 100 % safe and in full compliance with regulations and industry standards.

### Our range of dedicated Acti 9 protection units covers:

- UL-certified applications for the North American market
- Marine and offshore applications
- DC applications
- Fuse disconnectors

In addition, we offer back-up tables providing quick, at-a-glance overview of everything you need to know when building your panel. The back-up tables include data on Compact NSX circuit breakers with 100 % cascading, making it easy for you to include Acti 9 in larger installations and distribution panels.

To learn more about Acti 9 for specialised applications, please contact our customer service on 4473 7880, mail to [kundecenter@schneider-electric.com](mailto:kundecenter@schneider-electric.com) or visit our [www.schneider-electric.dk](http://www.schneider-electric.dk)

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# 2 & 4 pole RCBo (combine products)





iDPNN Vigi



iDPN H Vigi

## IEC/EN 61009

- The iDPN Vigi residual current device provide complete protection for final circuits (against overcurrents and insulation faults):
  - protection for users against electric shocks by direct contacts ( $\leq 30$  mA),
  - protection for users against electric shocks by indirect contacts (300 mA),
  - protection of the installations against fire risks (300 mA).
- The SI range has been designed to maintain a network with optimum safety and continuity of service in installations disturbed by:
  - extreme atmospheric conditions,
  - harmonic generating loads,
  - transient operating currents.

## Residual current devices iDPN Vigi (cont.)

iDPN N Vigi 6000										
Type		A				SI			Width in 9 mm modules	
Auxiliaries										
1P+N	Curve B	Sensitivity	10 mA	30 mA	100 mA	300 mA	30 mA	100 mA	300 mA	
	Rating (In)	4 A	-	A9D56604	A9D60604	A9D69604	-	-	-	4
		6 A	-	A9D56606	A9D60606	A9D69606	-	-	-	
		10 A	A9D08610	A9D56610	A9D60610	A9D69610	-	-	-	
		13 A	-	A9D56613	A9D60613	A9D69613	-	-	-	
		16 A	A9D08616	A9D56616	A9D60616	A9D69616	-	-	-	
		20 A	-	A9D56620	A9D60620	A9D69620	-	-	-	
		25 A	-	A9D56625	A9D60625	A9D69625	-	-	-	
		32 A	-	A9D56632	A9D60632	A9D69632	-	-	-	
		40 A	-	A9D56640	A9D60640	A9D69640	-	-	-	
1P+N	Curve C	Sensitivity	10 mA	30 mA	100 mA	300 mA	30 mA	100 mA	300 mA	
	Rating (In)	6 A	-	A9D32606	A9D52606	A9D42606	A9D33606	A9D53606	A9D43606	4
		10 A	A9D02610	A9D32610	A9D52610	A9D42610	A9D33610	A9D53610	A9D43610	
		13 A	-	A9D32613	A9D52613	A9D42613	A9D33613	A9D53613	A9D43613	
		16 A	A9D02616	A9D32616	A9D52616	A9D42616	A9D33616	A9D53616	A9D43616	
		20 A	-	A9D32620	A9D52620	A9D42620	A9D33620	A9D53620	A9D43620	
		25 A	-	A9D32625	A9D52625	A9D42625	A9D33625	A9D53625	A9D43625	
		32 A	-	A9D32632	A9D52632	A9D42632	A9D33632	A9D53632	A9D43632	
		40 A	-	A9D32640	A9D52640	A9D42640	A9D33640	A9D53640	A9D43640	

iDPN H Vigi 10000										
Type		A				SI			Width in 9 mm modules	
Auxiliaries										
1P+N	Curve B	Sensitivity	30 mA	300 mA	30 mA	300 mA				
	Rating (In)	6 A	A9D07606	-	-	-	4			
		10 A	A9D07610	-	-	-				
		16 A	A9D07616	-	-	-				
		20 A	A9D07620	-	-	-				
		25 A	A9D07625	-	-	-				
		32 A	A9D07632	-	-	-				
1P+N	Curve C	Sensitivity	30 mA	300 mA	30 mA	300 mA				
	Rating (In)	6 A	A9D37606	A9D47606	A9D38606	A9D48606	4			
		10 A	A9D37610	A9D47610	A9D38610	A9D48610				
		16 A	A9D37616	A9D47616	A9D38616	A9D48616				
		20 A	A9D37620	A9D47620	A9D38620	A9D48620				
		25 A	A9D37625	A9D47625	A9D38625	A9D48625				
		32 A	A9D37632	A9D47632	A9D38632	A9D48632				
Voltage rating (Ue)			230 V AC							
Operating frequency			50 Hz							

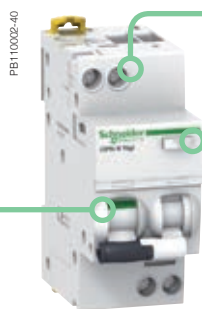
Fast contact closure

Insulated terminals IP20

Test button

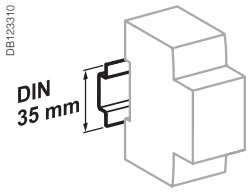
**Visi-trip double window**

- Fault tripping circuit breaker is indicated by a red mechanical indicator on the front face.
- Earth fault is indicated by a red mechanical indicator on the front face

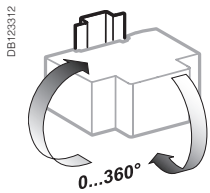


**Positive contact indication**

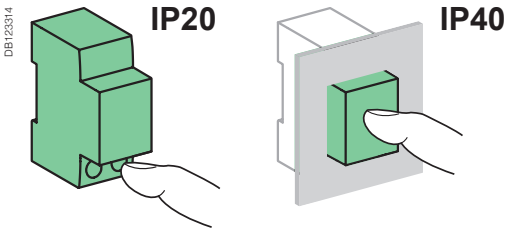
- green strip on the toggle guarantees opening of all the poles in safety conditions (padlocking possible) for work to be carried out on live parts



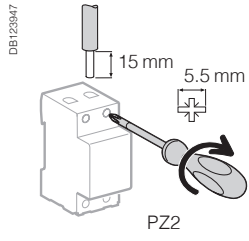
Clip on DIN rail 35 mm.



Indifferent position of installation.



**Connection**



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
4 to 40 A	3.5 N.m	1 to 16 mm <sup>2</sup>	1 to 10 mm <sup>2</sup>

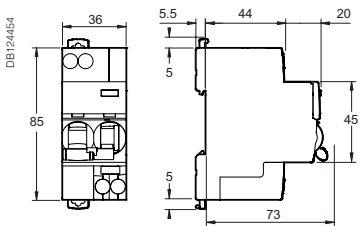
**Technical data**

Main characteristics			
Type	iDPN N Vigi	iDPN H Vigi	
Insulation voltage (Ui)	400 V AC		
Pollution degree	3		
Rated impulse withstand voltage (Uimp)	4 kV		
Setting temperature for ratings	30°C		
Magnetic tripping	Curve B	Between 3 and 5 In	
	Curve C	Between 5 and 10 In	
According to EN 61009			
Limitation class	3		
Rated breaking capacity (Icn)	6000 A	10,000 A	
Rated residual breaking and making capacity (IDm)	6000 A		
	Type AC	250 Å	250 Å
8/20 µs impulse withstand	Type A	250 Å	250 Å
	Type SI	3 kÅ	3 kÅ
	Type AC		250 Å
Additional characteristics			
Earth leakage protection with instantaneous tripping	10, 30, 100, 300 mA	30, 300 mA	
Degree of protection (IEC 60529)	Device only	IP20	
	Device in modular enclosure	IP40 Insulation class II	
Endurance (O-C)	Electrical	20 A: 20,000 cycles 25 A: 10,000 cycles	
	Mechanical	20,000 cycles	
Overvoltage category (IEC 60364)	III		
Operating temperature	Type AC	-5°C to +60°C	
	Type A, SI	-25°C to +60°C	
Storage temperature	-40°C to +85°C		
Tropicalization (IEC 60068-1)	Treatment 2 (relative humidity 95 % to 55°C)		

**Weight (g)**

Residual current device	
Type	iDPN Vigi
1P+N	125

**Dimensions (mm)**




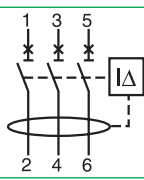
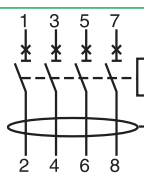
# Compact residual current circuit breaker DCP Vigi


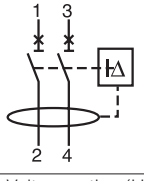


International standard: IEC 61009-1 and IEC 60947-2  
European standard: EN 61009-1 and EN 60947-2  
National standard\*

- The compact residual current circuit breaker provides a complete protection of final circuits (overcurrents and insulation faults):
  - protection of people against electric shocks by direct contacts (30 mA),
  - protection of people against electric shocks by indirect contacts (300 mA),
  - protection of installations from fire hazards (300 mA).
- Display of earth fault on the front panel by position of toggle.

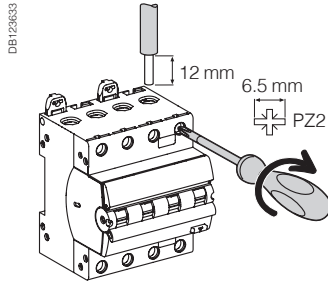
## Catalogue numbers

RCBO		DCP N Vigi 6000 A			
Type		A 		Width in 9-mm modules	
	Curve	B	C		
<b>3P</b> 	Sensitivity (I $\Delta$ n)	<b>30 mA</b>	<b>30 mA</b>	6	
	Rating (I <sub>n</sub> )	10 A	-		MGN19772
		13 A	-		MGN19773
		16 A	-		MGN19774
		20 A	-		MGN19775
		25 A	-		MGN19776
		32 A	-		MGN19777
<b>4P</b> 	Sensitivity (I $\Delta$ n)	<b>30 mA</b>	<b>30 mA</b>	8	
	Rating (I <sub>n</sub> )	6 A	-		-
		10 A	-		MGN19712
		13 A	-		MGN19713
		16 A	MGN19744		MGN19714
		20 A	MGN19745		MGN19715
		25 A	MGN19746		MGN19716
	32 A	MGN19747	MGN19717		
Voltage rating (U <sub>e</sub> )					
Operating frequency					

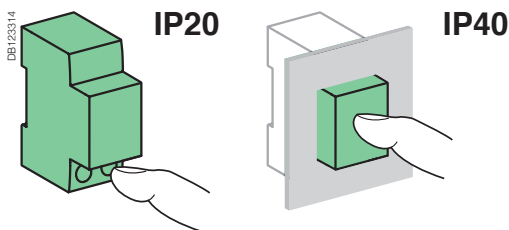
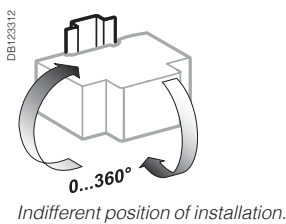
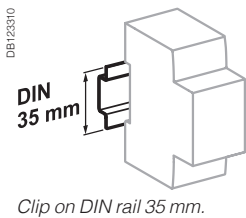
RCBO		DCP H Vigi 10000 A			
Type		A 		Width in 9-mm modules	
	Curve	B	C		
<b>2P</b> 	Sensitivity (I $\Delta$ n)	<b>30 mA</b>	<b>30 mA</b>	4	
	Rating (I <sub>n</sub> )	10 A	MGN19762		MGN19752
		13 A	MGN19763		MGN19753
		16 A	MGN19764		MGN19754
		20 A	MGN19765		MGN19755
		25 A	MGN19766		MGN19756
		32 A	MGN19767		MGN19757
Voltage rating (U <sub>e</sub> )		230/400 V AC			
Operating frequency		50 Hz			

\* Information to be provided by the country.

## Connection



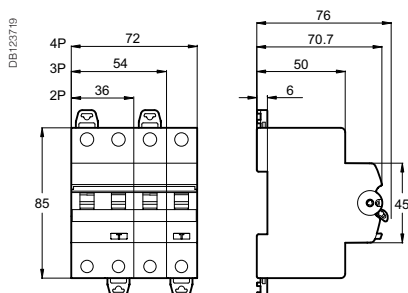
Rating	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
6 to 32 A	2 N.m	1 to 35 mm <sup>2</sup>	1 to 25 mm <sup>2</sup>



## Technical data

Main characteristics	DCP N Vigi	DCP H Vigi
Insulation voltage (U <sub>i</sub> )	500 V	
Rated impulse withstand voltage (U <sub>imp</sub> )	4 kV	
Rated residual operating current (I <sub>Δn</sub> )	30 mA	
Earth leakage protection type	A	
Setting temperature for ratings	30°C	
Magnetic tripping	B curve	Between 3 and 5 I <sub>n</sub>
	C curve	Between 5 and 10 I <sub>n</sub>
Limitation class	2	
Surge current withstand (8/20 μs) without tripping	250 Å	
<b>According to IEC 61009-1, EN 61009-1</b>		
Rated breaking capacity (I <sub>cn</sub> )	6000 A	10000 A
Service breaking capacity (I <sub>cs</sub> )	1 x I <sub>cn</sub>	0,75 x I <sub>cn</sub>
Rated residual breaking and making capacity (I <sub>Dm</sub> )	6000 A	4500 A
<b>According to IEC 60947-2, EN 60947-2</b>		
Ultimate breaking capacity (I <sub>cu</sub> )	230 V 400 V	10 kA 6 kA
Service breaking capacity (I <sub>cs</sub> )		75 % of I <sub>cu</sub>
<b>Additional characteristics</b>		
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Operating temperature		-25°C to +40°C
Range of test button operating voltage		170 V to 440 V
Tropicalization		Treatment 2 (relative humidity 95 % to 55°C)

## Dimensions (mm)

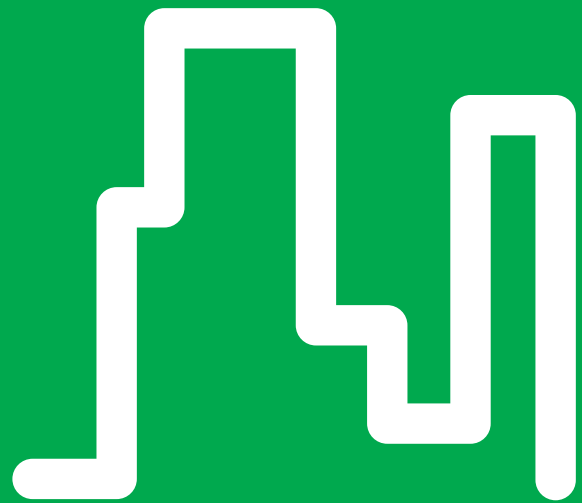


## Weight (g)

Residual current device	
Type	DCP Vigi
2P	273
3P	340
4P	423



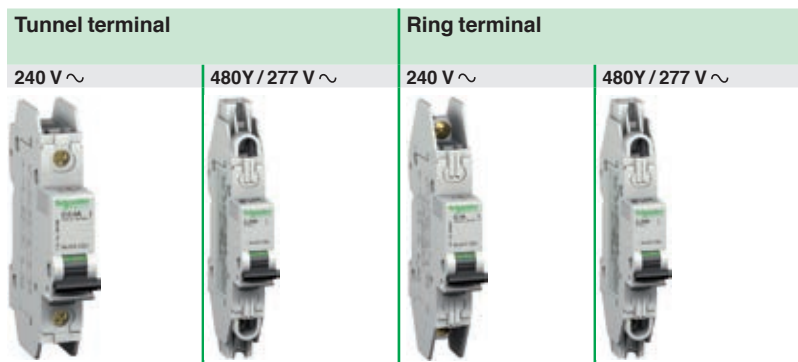
# UL circuit breaker



# C60 UL 489 circuit breakers (C and D curves)



UL 489 / CSA C22.2 No. 5-02  
IEC 60947-2 / GB 14048-2



They provide:

- circuit overcurrent protection
- protection for wires against overloads and short circuits in final distribution
- manual control and isolation
- remote tripping, indications by the addition of auxiliaries.

Breaking capacity:

Rating (A) 25 °C / 77°F	Number of 18 mm (0.71 in.) poles	Voltage	Breaking capacity (kA rms)	
			AIR UL 489/CSA	Icu IEC 60947-2
0.5 to 20	1P	277 V ~	<b>10</b>	10
	2P/3P	480Y/277 V ~	<b>10</b>	10
0.5 to 35	1P	120 V ~	<b>10</b>	-
		240 V ~	<b>5</b>	10
		240 V ~	<b>10</b>	20
		415 V ~	-	10
	2P/3P	440 V ~	-	6
		60 V ⋯	<b>10<sup>(1)</sup></b>	10 <sup>(1)</sup>
2P	125 V ⋯	<b>10<sup>(1)</sup></b>	10 <sup>(1)</sup>	

*Available only in C curve.*

## Catalogue numbers

Tunnel terminal connection												
Type	120 to 240 V ~						480 Y / 277 V ~					
	1P 60 V ~		2P 125 V ~		3P		1P		2P		3P	
Rating (In)	Curve C	D	Curve C	D	Curve C	D	Curve C	D	Curve C	D	Curve C	D
0.5	60100	60117	60134	60151	-	-	MGN61300	MGN61333	MGN61311	MGN61344	-	-
1	60101	60118	60135	60152	60168	60184	MGN61301	MGN61334	MGN61312	MGN61345	MGN61323	MGN61356
1.5	60102	60119	60136	60153	60169	60185	-	-	-	-	-	-
2	60103	60120	60137	60154	60170	60186	MGN61302	MGN61335	MGN61313	MGN61346	MGN61324	MGN61357
3	60104	60121	60138	60155	60171	60187	MGN61303	MGN61336	MGN61314	MGN61347	MGN61325	MGN61358
4	60105	60122	60139	60156	60172	60188	MGN61304	MGN61337	MGN61315	MGN61348	MGN61326	MGN61359
5	60106	60123	60140	60157	60173	60189	MGN61305	MGN61338	MGN61316	MGN61349	MGN61327	MGN61360
6	60107	60124	60141	60158	60174	60190	MGN61306	MGN61339	MGN61317	MGN61350	MGN61328	MGN61361
7	60108	60125	60142	60159	60175	60191	-	-	-	-	-	-
8	60109	60126	60143	60160	60176	60192	MGN61307	MGN61340	MGN61318	MGN61351	MGN61329	MGN61362
10	60110	60127	60144	60161	60177	60193	MGN61308	MGN61341	MGN61319	MGN61352	MGN61330	MGN61363
13	60111	60128	60145	60162	60178	60194	-	-	-	-	-	-
15	60112	60129	60146	60163	60179	60195	MGN61309	MGN61342	MGN61320	MGN61353	MGN61331	MGN61364
20	60113	60130	60147	60164	60180	60196	MGN61310	MGN61343	MGN61321	MGN61354	MGN61332	MGN61365
25	60114	60131	60148	60165	60181	60197	-	-	-	-	-	-
30	60115	60132	60149	60166	60182	60198	-	-	-	-	-	-
35	60116	60133	60150	60167	60183	60199	-	-	-	-	-	-
Width in 9 mm modules	2		4		6		2		4		6	

Ring terminal connection												
Type	120 to 240 V ~						480 Y / 277 V ~					
	1P 60 V ~		2P 125 V ~		3P		1P		2P		3P	
Rating (In)	Curve C	D	Curve C	D	Curve C	D	Curve C	D	Curve C	D	Curve C	D
0.5	60200	60217	60234	60251	-	-	MGN61366	MGN61399	MGN61377	MGN61410	-	-
1	60201	60218	60235	60252	60268	60284	MGN61367	MGN61400	MGN61378	MGN61411	MGN61389	MGN61422
1.5	60202	60219	60236	60253	60269	60285	-	-	-	-	-	-
2	60203	60220	60237	60254	60270	60286	MGN61368	MGN61401	MGN61379	MGN61412	MGN61390	MGN61423
3	60204	60221	60238	60255	60271	60287	MGN61369	MGN61402	MGN61380	MGN61413	MGN61391	MGN61424
4	60205	60222	60239	60256	60272	60288	MGN61370	MGN61403	MGN61381	MGN61414	MGN61392	MGN61425
5	60206	60223	60240	60257	60273	60289	MGN61371	MGN61404	MGN61382	MGN61415	MGN61393	MGN61426
6	60207	60224	60241	60258	60274	60290	MGN61372	MGN61405	MGN61383	MGN61416	MGN61394	MGN61427
7	60208	60225	60242	60259	60275	60291	-	-	-	-	-	-
8	60209	60226	60243	60260	60276	60292	MGN61373	MGN61406	MGN61384	MGN61417	MGN61395	MGN61428
10	60210	60227	60244	60261	60277	60293	MGN61374	MGN61407	MGN61385	MGN61418	MGN61396	MGN61429
13	60211	60228	60245	60262	60278	60294	-	-	-	-	-	-
15	60212	60229	60246	60263	60279	60295	MGN61375	MGN61408	MGN61386	MGN61419	MGN61397	MGN61430
20	60213	60230	60247	60264	60280	60296	MGN61376	MGN61409	MGN61387	MGN61420	MGN61398	MGN61431
25	60214	60231	60248	60265	60281	60297	-	-	-	-	-	-
30	60215	60232	60249	60266	60282	60298	-	-	-	-	-	-
35	60216	60233	60250	60267	60283	60299	-	-	-	-	-	-
Width in 9 mm modules	2		4		6		2		4		6	

   Alternating current and direct current operation.       Alternating current operation only.



Tunnel terminal 240 V~



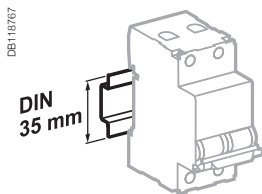
Tunnel terminal  
480Y / 277 V~



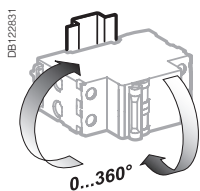
Ring terminal 240 V~



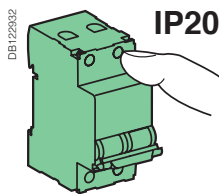
Ring terminal  
480Y / 277 V~



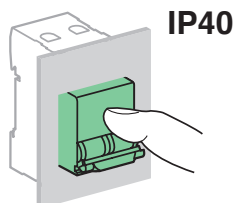
Clips on to 35 mm DIN rail.



Any installation position.





IP20



IP40

## Connection

Type	Rating	Tightening torque	Cu wires	Screw-on connection for ring terminal
			 (1)	 (2)
Tunnel terminal 240 V~	0.5 to 25 A	2.5 N.m (22 lb.in.)	2.5 to 25 mm <sup>2</sup> (#14 #4 AWG)	-
	30-35 A	3.5 N.m (31 lb.in.)	2.5 to 35 mm <sup>2</sup> (#14 #2 AWG)	-
Tunnel terminal 480 Y / 277 V	0.5 to 10 A	0.8 N.m (7 lb.in.)	1 or 2 wires, 1 to 1.5 mm <sup>2</sup> (#18 #16 AWG)	-
	15 to 25 A	1.6 N.m (14 lb.in.)	1 or 2 wires, 2.5 to 6 mm <sup>2</sup> (#14 #10 AWG)	-
Ring terminal 480 Y / 277 V 240 V~	-	2 N.m (18 lb.in.)	-	Ø 5 mm

UL 486A

Single insulated ring terminal, UL or CSA certified.

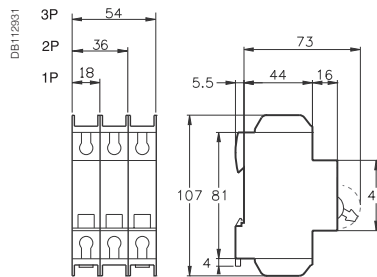
## Technical data

Main characteristics		
Voltage rating	120 to 240 V~, 480 Y / 277 V~, 60 V --- and 125 V ---	
Insulation voltage (Ui)	500 V	
Pollution degree	3	
Rated impulse withstand voltage (Uimp)	6 kV	
Thermal tripping	Reference temperature	25°C
Magnetic tripping (IEC 60947-2)	C curve	in alternating current in direct current
	D curve	
		Between 7 to 10 In Between 7 to 14 In Between 10 to 14 In
Utilization category	-	
Limitation class	3	
Rated breaking and making capacity on a single pole (Icn1)	Icn1 = Icn	
Additional characteristics		
Degree of protection (IEC 60529)	Front panel	IP40 / IPXXB
	Tunnel terminal connection	IP20 / IPXXB
	Ring terminal connection	IP10 / IPXXA
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Operating temperature	-30°C to +70°C	
Storage temperature	-40°C to +80°C	
Tropicalization	Treatment 2 (relative humidity of 95 % at 55 °C)	

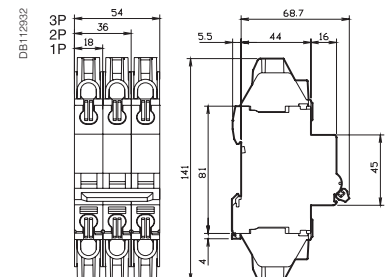
## Weight (g/)

Circuit breaker	
Type	C60 UL
1P	110/3.88
2P	220/7.75
3P	330/11.64

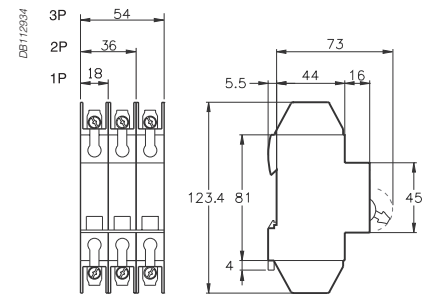
## Dimensions (mm)



Tunnel terminal 240 V~

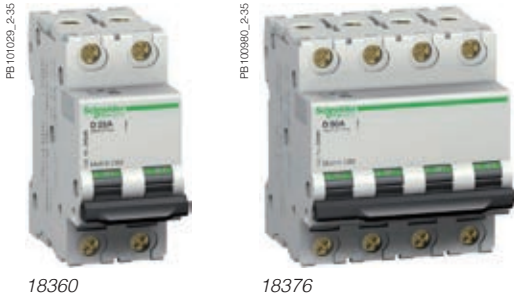


Tunnel terminal 480Y / 277 V~  
Ring terminal 480Y / 277 V~



Ring terminal 240 V~

# C60 UL 1077 circuit breakers (B, C and D curves)



## UL1077 / CSA C22.2, IEC 60947-2 / GB 14048-2

C60 UL circuit breakers are multi-standard circuit breakers which combine the following functions:

- circuit protection against short-circuit currents
- circuit protection against overload currents
- tripping and fault indication by the addition of auxiliaries.

Rating (A) 25 °C/77 °F	Number of 18 mm (0.71 in.) poles	Voltage	Breaking capacity (kA rms)	
			AIR UL 1077/CSA	Icu IEC 60947-2
0.5 to 63	1P	240 V ~	10	10
	2P/3P/4P	240 V ~	10	20
	1P	277 V ~	5	-
		415 V ~	-	3
	2P/3P/4P	415 V ~	-	10
		440 V ~	-	6
		480Y/277 V ~	5	-
0.5 to 63	1P	60 V -	-	10
B and C curves	1P	65 V -	10	-
	2P	125 V -	10	10

## Catalogue numbers

C60 UL circuit breaker						
Type	1P			2P		
Auxiliaries	Remote indication and tripping, module CM902012F			Remote indication and tripping, module CM902012F		
Rating (In)	Curve			Curve		
	B	C	D	B	C	D
0.5	-	17411	17421	-	17441	17451
1	24110	24425	24500	24125	24442	24516
1.2	17402	17412	17422	17432	17442	17452
1.5	17403	17413	17423	17433	17443	17453
2	24111	24426	24501	24126	24443	24517
3	24112	24427	24502	24127	24444	24518
4	24113	24428	24503	24128	24445	24519
5	17404	17414	17424	17434	17444	17454
6	24114	24430	24504	24129	24447	24520
7	17405	17415	17425	17435	17445	17455
8	24115	24431	24505	24130	24448	24521
10	24116	24432	24506	24131	24449	24522
13	24117	24433	24507	24132	24450	24523
15	17406	17416	17426	17436	17446	17456
16	24118	24434	24508	24133	24451	24524
20	24119	24435	24509	24134	24452	24525
25	24120	24436	24510	24135	24453	24526
30	17407	17417	17427	17437	17447	17457
32	24121	24437	24511	24136	24454	24527
35	17408	17418	17428	17438	17448	17458
40	24122	24438	24512	24137	24455	24528
50	24123	24439	24513	24138	24456	24529
60	17409	17419	17429	17439	17449	17459
63	24124	24440	24514	24139	24457	24530
Width in 9 mm modules	2			4		
Accessory	Connection kit for ring terminal cat. no. 17400 (option) see CA907012 module					

Alternating current and direct current operation. Alternating current operation only.

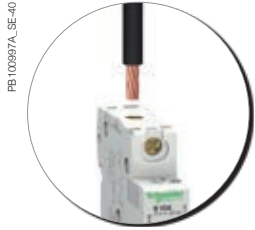
## Conformity with product standards

- UL 1077 additional protective devices, document #E90509.
- CSA C22.2 no. 235-04 additional protective devices, document #E179014.
- IEC 60947-2.

## Catalogue numbers



C60 UL circuit breaker							
Type	3P			4P			
Auxiliaries	Remote indication and tripping, module CM902012F			Remote indication and tripping, module CM902012F			
Rating (In)	Curve			Curve			
	B	C	D	B	C	D	
1	24140	24459	24532	24155	24476	24548	
1.5	-	-	17470	-	-	-	
2	24141	24460	24533	24156	24477	24549	
3	24142	24461	24534	24157	24478	24550	
4	24143	24462	24535	24158	24479	24551	
6	24144	24464	24536	24159	24481	24552	
8	24145	24465	24537	24160	24482	24553	
10	24146	24466	24538	24161	24483	24554	
13	24147	24467	24539	24162	24484	24555	
15	17461	17466	17471	-	-	-	
16	24148	24468	24540	24163	24485	24556	
20	24149	24469	24541	24164	24486	24557	
25	24150	24470	24542	24165	24487	24558	
30	17462	17467	17472	-	-	-	
32	24151	24471	24543	24166	24488	24559	
35	17463	17468	17473	-	-	-	
40	24152	24472	24544	24167	24489	24560	
50	24153	24473	24545	24168	24490	24561	
60	17464	17469	17474	-	-	-	
63	24154	24474	24546	24169	24491	24562	
Width in 9 mm modules	6			8			
Accessory	Connection kit for ring terminal cat. no. 17400 (option) see CA907012 module						

# C60 UL 1077 circuit breakers (B, C and D curves)

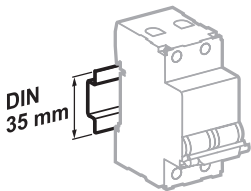


Connection kit for ring terminal cat. no. 17400 (option).

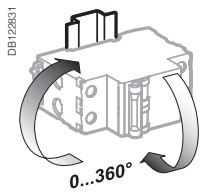
## UL 486A connections for copper wires, document #E216919

Rating	Tightening torque	Without accessory	With accessory
		Cu wires	Screw-on connection for ring terminal <sup>(1)</sup>
0.5 to 25 A	2.5 N.m (22 lb.in)	DB1122845 	DB118789 
30 to 63 A	3.5 N.m (31 lb.in)	2.5 to 25 mm <sup>2</sup> (#14 #4 AWG)	Ø 5 mm
		2.5 to 35 mm <sup>2</sup> (#14 #2 AWG)	Ø 5 mm

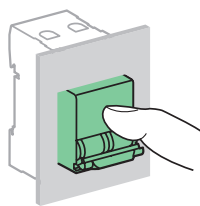
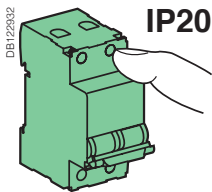
(1) 2 set-screw connectors + 2 separators for terminals (upstream / downstream) cat. no. 17400.



Clips onto 35 mm DIN rail.



Any installation position.



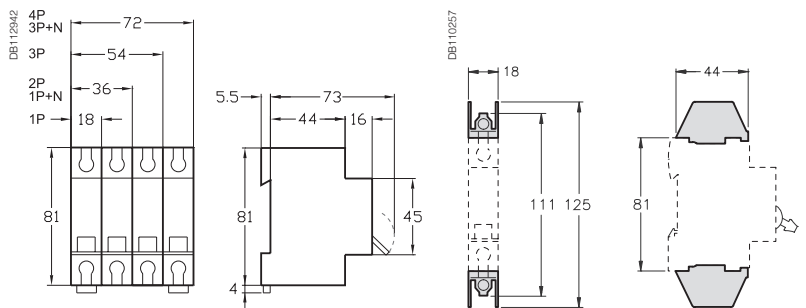
## Technical data

Main characteristics		
Voltage rating	480Y/277 V ~, 60 V ~ and 125 V ~	
Insulation voltage	500 V	
Pollution degree	3	
Rated impulse withstand voltage (Uimp)	6 kV	
Thermal tripping	Reference temperature	50 °C
	B curve	3.2 to 4.8 In
Magnetic tripping	C curve	7 to 10 In
	D curve	10 to 14 In
Limitation class	3	
Rated breaking and making capacity on a single pole (Icn1)	Icn1 = Icn	
Additional characteristics		
Degree of protection (IEC 60529)	Front panel	IP40
	Tunnel terminal connection	IP20
	Ring terminal connection	IP20
Endurance (O-C)	Electrique	10,000 cycles
	Mécanique	20,000 cycles
Operating temperature	-30 °C to +70 °C	
Storage temperature	-40 °C to +80 °C	
Tropicalization	Treatment 2 (relative humidity 95 % at 55 °C)	

## Weight (g/oz)

Type	1P	2P	3P	4P
C60 UL	110/3.88	220/7.75	330/11.64	440/15.52

## Dimensions (mm)



C60 UL 1077

Kit for ring terminals



# Marine circuit breaker



# Marine C60N circuit breakers (curve C, D)



C60N 1P



C60N 2P



C60N 3P



C60N 4P

## IEC/EN 60947-2

### Marine approvals

- Schneider Electric is committing to have all products Marine type approved by IACS (International Association of Classification Societies):
  - ABS, BV, DNV, GL, KRS, LRS, RINA, RMRoS and meet international standards requirements that are compulsory for the worldwide merchant marine market,
  - other classification bodies: please consult us.
- C60N circuit breakers are circuit breakers which combine the following functions:
  - circuit protection against short-circuit currents,
  - circuit protection against overload currents,
  - breaking and industrial disconnection as per standards IEC/EN 60947-2.
- The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety.
- Increased product service life thanks:
  - overvoltage resistance,
  - high performance limitation,
  - to fast closing independent of the speed of actuation of the toggle.
- Upstream or downstream connection.

### Positive contact indication

- Suitability for isolation in accordance with the IEC/EN 60947-2 standard.

### Alternating current (AC) 50/60 Hz

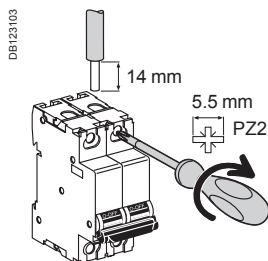
Ultimate breaking capacity (Icu) as per IEC/EN 60947-2	Voltage (Ue)				Service breaking capacity (Ics)
	240 V	415 V	-	440 V	
Ph/Ph (2P, 3P, 4P)	240 V	415 V	-	440 V	75 % of Icu
Ph/N (1P)	-	240 V	415 V	-	
Rating (In) 1 to 63 A	20 kA	10 kA	3 kA	6 kA	
$i_{tr}$	1.2 x 12 In				

## Catalogue numbers

Marine C60N circuit breaker								
Type	1P		2P		3P		4P	
Rating (In)	Curve		Curve		Curve		Curve	
	C	D	C	D	C	D	C	D
1 A	MGN60862	MGN60506	MGN60875	MGN60518	MGN60888	MGN60530	MGN60901	MGN60543
2 A	MGN60863	MGN60507	MGN60876	MGN60519	MGN60889	MGN60531	MGN60902	MGN60544
3 A	MGN60864	MGN60508	MGN60877	MGN60520	MGN60890	MGN60532	MGN60903	MGN60545
4 A	MGN60865	MGN60509	MGN60878	MGN60521	MGN60891	MGN60533	MGN60904	MGN60546
6 A	MGN60866	MGN60510	MGN60879	MGN60522	MGN60892	MGN60534	MGN60905	MGN60547
10 A	MGN60867	MGN60511	MGN60880	MGN60523	MGN60893	MGN60535	MGN60906	MGN60548
16 A	MGN60868	MGN60512	MGN60881	MGN60524	MGN60894	MGN60536	MGN60907	MGN60549
20 A	MGN60869	MGN60513	MGN60882	MGN60525	MGN60895	MGN60537	MGN60908	MGN60550
25 A	MGN60870	MGN60514	MGN60883	MGN60526	MGN60896	MGN60538	MGN60909	MGN60551
32 A	MGN60871	MGN60515	MGN60884	MGN60527	MGN60897	MGN60539	MGN60910	MGN60552
40 A	MGN60872	-	MGN60885	-	MGN60898	MGN60540	MGN60911	MGN60553
50 A	MGN60873	-	MGN60886	-	MGN60899	-	MGN60912	-
63 A	MGN60874	-	MGN60887	-	MGN60900	-	MGN60913	-
Width in 9-mm modules	2		4		6		8	

# Marine C60N circuit breakers (curve C, D) (cont.)

## Connection



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
1 to 25 A	2 N.m	1 to 25 mm <sup>2</sup>	1 to 25 mm <sup>2</sup>
32 to 63 A	3.5 N.m	1.5 to 35 mm <sup>2</sup>	1.5 to 35 mm <sup>2</sup>

## Technical data

### According to IEC/EN 60947-2

Insulation voltage (U <sub>i</sub> )	500 V AC
Pollution degree	3
Rated impulse withstand voltage (U <sub>imp</sub> )	6 kV
Thermal tripping	Nominal temperature for operation According to ambient temperature
	50 °C See module 92515
Magnetic tripping (I <sub>i</sub> )	C curve D curve According to current frequency
	8.5 I <sub>n</sub> ± 20 % 12 I <sub>n</sub> ± 20 % 50/60 Hz
Utilization category	A
Compliance with	IACS part E10

### Other characteristics

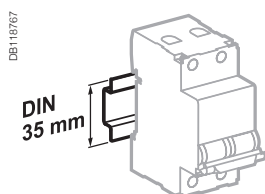
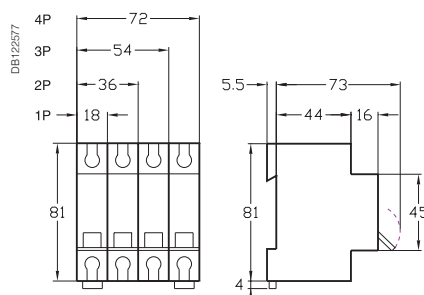
Degree of protection	Device in modular enclosure	IP40
Endurance (O-F)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Service temperature		-30°C to +70°C
Storage temperature		-40°C to +80°C
Power loss		See module 92517
Connection		Upstream or downstream

## Weight (g)

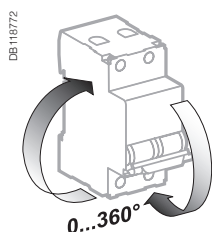
### Circuit-breaker

Type	C60N
1P	120
2P	240
3P	360
4P	480

## Dimensions (mm)



Clip on DIN rail 35 mm.



Indifferent position of installation.

# Marine C60H circuit breakers (curve C, D)



C60H 1P



C60H 2P



C60H 3P



C60H 4P

## IEC/EN 60947-2

### Marine approvals

- Schneider Electric is committing to have all products Marine type approved by IACS (International Association of Classification Societies):
  - ABS, BV, DNV, GL, KRS, LRS, RINA, RMRoS and meet international standards requirements that are compulsory for the worldwide merchant marine market,
  - other classification bodies: please consult us.

- C60H circuit breakers are circuit breakers which combine the following functions:
  - circuit protection against short-circuit currents,
  - circuit protection against overload currents,
  - breaking and industrial disconnection as per standards IEC/EN 60947-2.

- The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety.

- Increased product service life thanks:

- overvoltage resistance,
- high performance limitation,
- to fast closing independent of the speed of actuation of the toggle.
- Upstream or downstream connection.

### Positive contact indication

- Suitability for isolation in accordance with the IEC/EN 60947-2 standard.

### Alternating current (AC) 50/60 Hz

Ultimate breaking capacity (I <sub>cu</sub> ) as per IEC/EN 60947-2					Service breaking capacity (I <sub>cs</sub> )
	Voltage (U <sub>e</sub> )				
Ph/Ph (2P, 3P, 4P)	240 V	415 V	-	440 V	
Ph/N (1P)	-	240 V	415 V	-	
Rating (I <sub>n</sub> ) 1 to 40 A	30 kA	15 kA	4 kA	10 kA	50 % of I <sub>cu</sub>
i <sub>tr</sub>	1.2 x 12 I <sub>n</sub>				

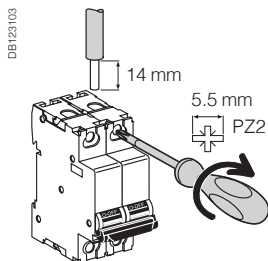
## Catalogue numbers

### Marine C60H circuit breaker

Type	1P		2P		3P		4P	
Rating (I <sub>n</sub> )	Curve		Curve		Curve		Curve	
	C	D	C	D	C	D	C	D
1 A	MGN60608	MGN25080	MGN60621	MGN25108	MGN60634	MGN25124	MGN60647	MGN25138
2 A	MGN60609	MGN25081	MGN60622	MGN25111	MGN60635	MGN25125	MGN60648	MGN25139
3 A	MGN60610	MGN25082	MGN60623	MGN25112	MGN60636	MGN25126	MGN60649	MGN25140
4 A	MGN60611	MGN25083	MGN60624	MGN25113	MGN60637	MGN25127	MGN60650	MGN25141
6 A	MGN60612	MGN25084	MGN60625	MGN25114	MGN60638	MGN25128	MGN60651	MGN25142
10 A	MGN60613	MGN25085	MGN60626	MGN25115	MGN60639	MGN25129	MGN60652	MGN25143
16 A	MGN60614	MGN25086	MGN60627	MGN25117	MGN60640	MGN25131	MGN60653	MGN25145
20 A	MGN60615	MGN25087	MGN60628	MGN25118	MGN60641	MGN25132	MGN60654	MGN25146
25 A	MGN60616	MGN25088	MGN60629	MGN25119	MGN60642	MGN25133	MGN60655	MGN25147
32 A	MGN60617	MGN25089	MGN60630	MGN25120	MGN60643	MGN25134	MGN60656	MGN25148
40 A	MGN60618	MGN25090	MGN60631	MGN25121	MGN60644	MGN25135	MGN60657	MGN25149
Width in 9-mm modules	2		4		6		8	

# Marine C60H circuit breakers (curve C, D) (cont.)

## Connection

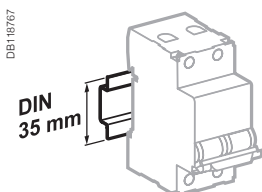


Rating	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
1 to 25 A	2 N.m	DB122345 	DB122346 
32 to 40 A	3.5 N.m	1 to 25 mm <sup>2</sup>	1 to 25 mm <sup>2</sup>
		1.5 to 35 mm <sup>2</sup>	1.5 to 35 mm <sup>2</sup>

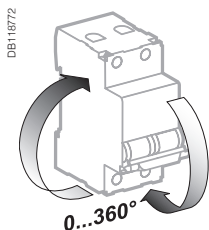
## Technical data

### According to IEC/EN 60947-2

Insulation voltage (Ui)	500 V AC	
Pollution degree	3	
Rated impulse withstand voltage (Uimp)	6 kV	
Thermal tripping	Nominal temperature for operation	50 °C
Magnetic tripping (Ii)	C curve	8.5 In ± 20 %
	D curve	12 In ± 20 %
	According to current frequency	50/60 Hz
Utilization category	A	
Compliance with	IACS part E10	
<b>Other characteristics</b>		
Degree of protection	Device in modular enclosure	IP40
Endurance (O-F)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Service temperature	-30°C to +70°C	
Storage temperature	-40°C to +80°C	
Connection	Upstream or downstream	



Clip on DIN rail 35 mm.



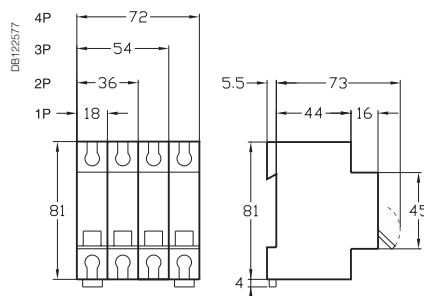
Indifferent position of installation.

## Weight (g)

### Circuit-breaker

Type	C60H
1P	120
2P	240
3P	360
4P	480

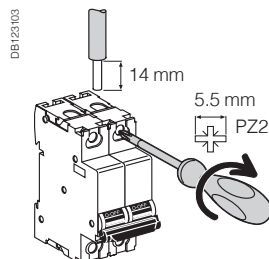
## Dimensions (mm)





# Marine C60L circuit breakers (curve C) (cont.)

## Connection

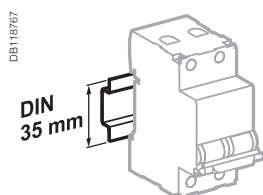


Rating	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
0.5 to 25 A	2 N.m	1 to 25 mm <sup>2</sup>	1 to 25 mm <sup>2</sup>

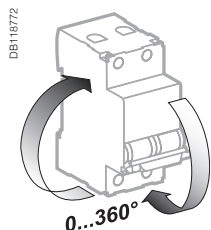
## Technical data

### According to IEC/EN 60947-2

Insulation voltage (Ui)	500 V AC	
Pollution degree	3	
Rated impulse withstand voltage (Uimp)	6 kV	
Thermal tripping	Nominal temperature for operation According to ambient temperature	50 °C See module 92515
Magnetic tripping (Ii)	C curve According to current frequency	8.5 In ± 20 % 50/60 Hz
Utilization category	A	
Compliance with	IACS part E10	
<b>Other characteristics</b>		
Degree of protection	Device in modular enclosure	IP40
Endurance (O-F)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Service temperature		-30°C to +70°C
Storage temperature		-40°C to +80°C
Power loss		See module 92517
Connection		Upstream or downstream



Clip on DIN rail 35 mm.



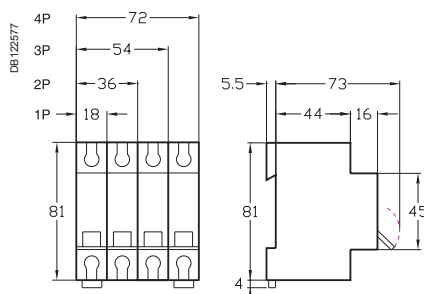
Indifferent position of installation.

## Weight (g)

### Circuit-breaker

Type	C60L
1P	120
2P	240
3P	360
4P	480

## Dimensions (mm)



# DC circuit breaker

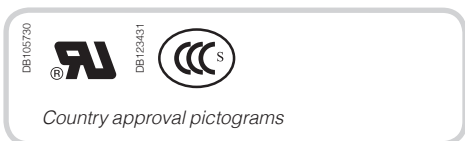




# DC circuit supplementary protectors for feeders / distribution systems

## C60H-DC

C curve



### IEC/EN 60947-2, GB 14048.2, UL1077 (Supplementary Protector TC 3)

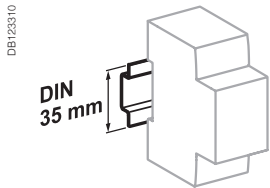
The C60H-DC supplementary protectors are used in direct current circuits (Industrial control and automations, transport, renewable energy...).

They combine the following functions of circuit protection against short-circuit and overload currents, control and isolation.

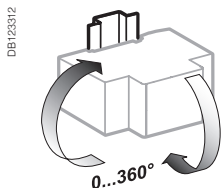
### Catalogue numbers

C60H-DC				
<b>Operating voltage (Ue)</b>	12...250 V DC		12...500 V DC	
<b>Rated voltage (Un)</b>	250 V DC		500 V DC	
<b>Number of poles</b>	1P		2P	
<b>Curve</b>	C		C	
<b>Number of modules of 9 mm</b>	2		4	
<b>Diagrams</b>	<p>DB116587 Supply from above or below, observing the polarity</p>		<p>DB116588 Supply from above or Supply from below</p>	
<b>Standards</b>	UL1077	IEC 60947-2 EN 60947-2 GB 14048.2	UL1077	IEC 60947-2 EN 60947-2 GB 14048.2
<b>Breaking capacity</b>	5 kA / 250 V DC	20 kA / 110 V DC 10 kA / 220 V DC 6 kA / 250 V DC	5 kA / 500 V DC	20 kA / 220 V DC 10 kA / 440 V DC 6 kA / 500 V DC
<b>Rating (A)*</b>	<b>UL 1077, IEC 60947-2, EN 60947-2, GB 14048.2</b>			
0.5	MGN61500		MGN61520	
1	MGN61501		MGN61521	
2	MGN61502		MGN61522	
3	MGN61503		MGN61523	
4	MGN61504		MGN61524	
5	MGN61505		MGN61525	
6	MGN61506		MGN61526	
10	MGN61508		MGN61528	
13	MGN61509		MGN61529	
15	MGN61510		MGN61530	
16	MGN61511		MGN61531	
20	MGN61512		MGN61532	
25	MGN61513		MGN61533	
30	MGN61514		MGN61534	
32	MGN61515		MGN61535	
40	MGN61517		MGN61537	
<b>Rating (A)*</b>	<b>IEC 60947-2, EN 60947-2, GB 14048.2</b>			
50	MGN61518		MGN61538	
63	MGN61519		MGN61539	

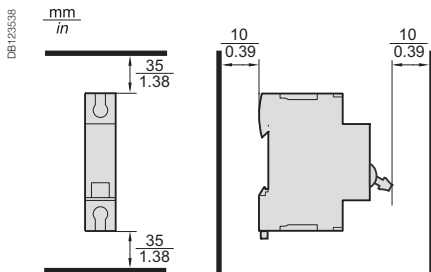
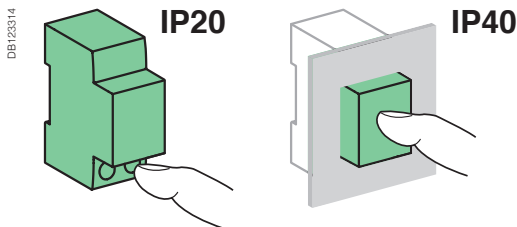
\* At 25°C / 77°F see temperature derating module 92515.



Clip on DIN rail 35 mm.



Indifferent position of installation.



Details of minimum distance between circuit-breaker and earthed metal parts for circuit-breaker intended for use without enclosure.

### Technical data

- Tripping curves: C curve - Overcurrent protection for any type of application.
- Positive break indication - the green strip indicates that all the poles are open and allows work to be carried out on the downstream circuit in complete safety.
- Suitable for isolation as defined in IEC / EN 60947-2.
- Increase in the service life of the product: thanks to fast closure independent of the speed of action on the handle.
- Current limitation in the event of a fault: fast opening of the contacts prevents the loads from being destroyed in the event of a short-circuit.

Main characteristics	
Rated service breaking capacity (Ics)	75 % of the ultimate breaking capacity (Icu)
Power loss	See module 92517
Magnetic tripping (Ii)	8.5 In (± 20 %) (compatible with curve C)
Rated impulse withstand voltage (Uimp) under frame	6 kV
Insulation voltage (Ui)	500 V DC
Endurance (O-C)	
Electrical	3,000 cycles (where L/R=2 ms) 6,000 cycles where the circuit is resistive
Mechanical	20,000 cycles
Additional characteristics	
Pollution degree	3
Utilization category	A (no delay in accordance with IEC/EN 60947-2 standards)
Tropicalization (IEC 60068-2 and GB 14048.2)	Relative humidity: 95 % at 55°C / 131°F
Operating temperature	-25°C to 70°C / -13°F to 158°F
Storage temperature	-40°C to 85°C / -40°F to 185°F



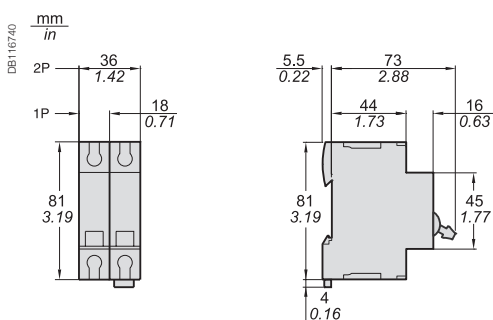
**Failure to match polarity during connection may lead to a fire hazard and/or serious injury.**

- The connection polarity must be observed (marked on the front panel).
- Use only with direct current.
- If two poles are used in series for the American network, use at least a 12 inch / 30 cm cable.

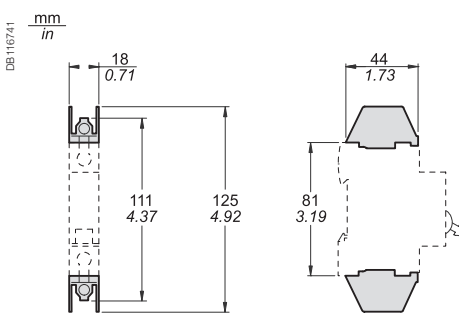
### Weight (g)

Circuit-breaker	
Type	C60H-DC
1P	128 g / 4.51 oz
2P	256 g / 9.03 oz

### Dimensions (mm/in)

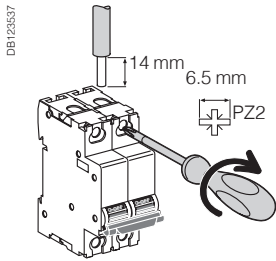


C60H-DC



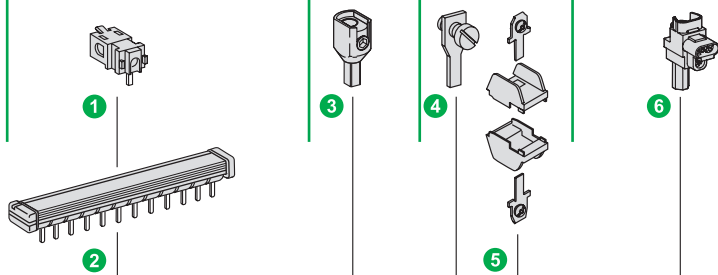
Kit for ring terminals

Connection



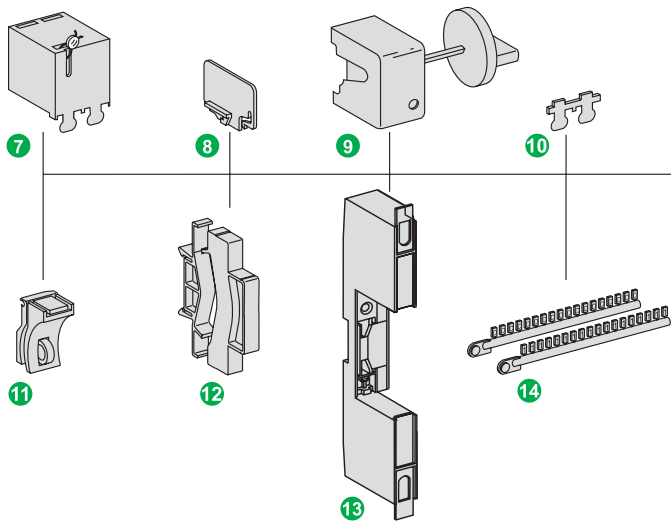
Rating	Tightening torque	Without accessory		With accessories			
		Copper cables	50 mm <sup>2</sup> Al terminal	Screw-on connection for ring terminal	Multi-cables terminal		
		Rigid / Stranded	Flexible or ferrule		Rigid cables	Flexible cables	
	DB 122945	DB 122946	DB 122935	AI DB 118789	DB 118787		
≤ 25 A	2.5 N.m / 22 lb.in	1 to 25 mm <sup>2</sup> #18 - #4 AWG	1 to 16 mm <sup>2</sup> #18 - #6 AWG	50 mm <sup>2</sup> 1 AWG	Ø 5 mm	3 x 16 mm <sup>2</sup> 3 x 6 AWG	3 x 10 mm <sup>2</sup> 3 x 8 AWG
> 25 A	3.5 N.m / 31 lb.in	1 to 35 mm <sup>2</sup> #18 - #2 AWG	1 to 25 mm <sup>2</sup> #18 - #4 AWG	-			

1	Insulated connector	
2	Comb busbar	
3	Terminal 50 mm <sup>2</sup> Al / Cu	27060
4	Ring tongue terminal screw connection	27053
5	Ring tongue terminal connections kit Ø 5 mm, (upstream/downstream)	17400
6	Insulated distribution terminal	4 pieces 19091 3 pieces 19096



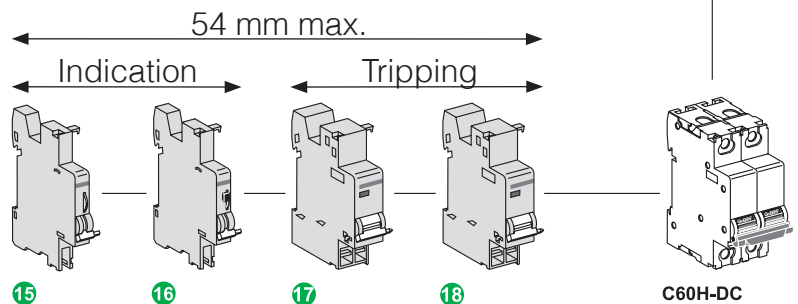
Mounting accessories

7	Sealable terminal shield	26976
8	Inter-pole barrier	27001
9	Rotary handle	
	Switching sub-assembly	27046
	Disconnectable handle	27047
	Fixed handle	27048
10	Screw shield	26981
11	Padlocking accessory (to be locked in the "open" position)	26970
12	Spacer	27062
13	Dividable mounting plate	26996
14	Marker strip	



Electrical auxiliaries

Indication	
15	SD fault indicating switch
16	OF open/closed contact
Tripping	
17	MN undervoltage release
18	MX + OF shunt release



- The electrical auxiliaries must be installed to the left of the circuit breaker and within a width of 54 mm.
- If the auxiliary SD contacts are associated with the tripping auxiliaries (MN, MX, etc.), they must be installed to the left of these auxiliaries.

Poles connected in series

Network selection			
Type	Earthed		Isolated from earth
Source	Earthed polarity + or -		Isolated polarities
Protected polarities	1 (1P isolation)		2
Diagrams (and type of faults)	<p>DB 118651</p> <p>Example : negative polarity to the earth</p>	<p>DB 118652</p>	<p>DB 118653</p>

Selection of supplementary protector and pole connection			
24 V ≤ Un ≤ 250 V	Single-pole	Two-pole	Two-pole
Upstream connection	Only if L+ polarity is earthed	<p>DB 116735</p>	<p>DB 116735</p>
Downstream connection	<p>DB 116732</p>	<p>DB 116738</p>	<p>DB 116738</p>
250 V < Un ≤ 500 V	Two-pole	Two-pole	Two-pole
Upstream connection	<p>DB 116736</p>	<p>DB 116735</p>	<p>DB 116735</p>
Downstream connection	<p>DB 116737</p>	<p>DB 116738</p>	<p>DB 116738</p>

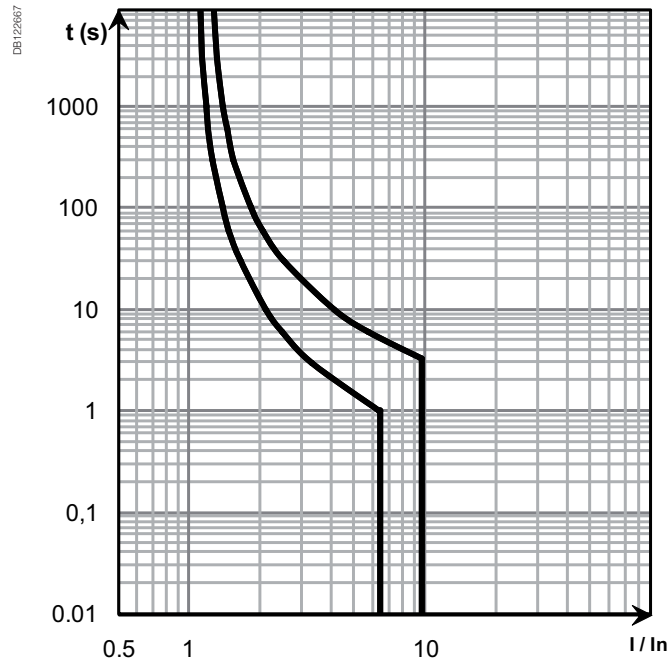
Fault analysis (low earth connection resistance)			
Fault A	<ul style="list-style-type: none"> <li>Isc maximum at U</li> <li>Only protected polarity concerned</li> <li>All the poles of the protected polarity must have a breaking capacity ≥ Isc max. at U</li> </ul>	<ul style="list-style-type: none"> <li>Isc maximum at U/2</li> <li>Only positive polarity concerned</li> <li>All the positive polarity poles must have a breaking capacity ≥ Isc max. at U/2</li> </ul>	<ul style="list-style-type: none"> <li>Not relevant</li> <li>The fault must be indicated by a permanent insulation monitor (PIM) and cleared (IEC/EN 60364)</li> </ul>
Fault B	<ul style="list-style-type: none"> <li>Isc maximum at U</li> <li>If one polarity (in this case positive) is protected: all the poles of this polarity must have a breaking capacity ≥ Isc max. at U</li> <li>If two polarities are protected, to ensure isolation: all the protections of the two polarities must have a breaking capacity ≥ Isc max. at U</li> </ul>	<ul style="list-style-type: none"> <li>Isc maximum at U</li> <li>The 2 polarities are concerned</li> <li>All the poles of the two polarities must have a breaking capacity ≥ Isc max. at U</li> </ul>	<ul style="list-style-type: none"> <li>Isc maximum at U</li> <li>The 2 polarities are concerned</li> <li>All the poles of the two polarities must have a breaking capacity ≥ Isc max. at U</li> </ul>
Fault C		<ul style="list-style-type: none"> <li>As for fault A</li> <li>All the negative polarity poles must have a breaking capacity ≥ Isc max. at U/2</li> </ul>	<ul style="list-style-type: none"> <li>As for fault A with the same requirements</li> </ul>

### Curves

#### Tripping curves

##### C curve as in standard IEC 60947.2

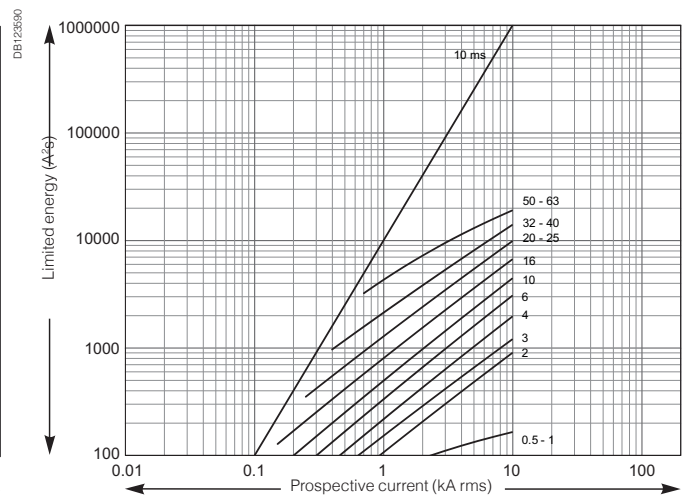
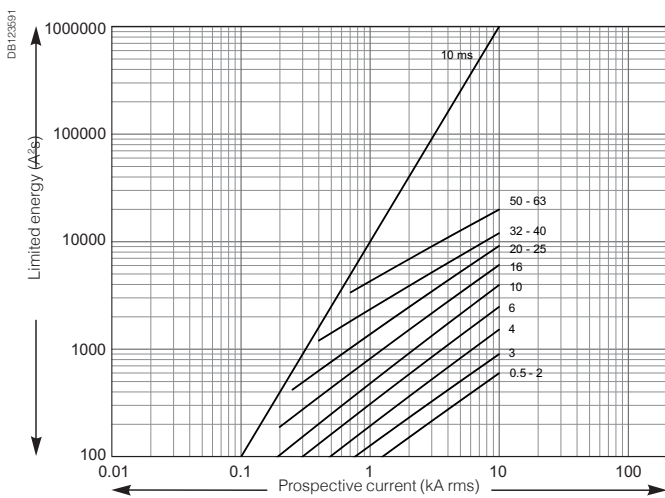
- The operating range of the magnetic release is as follows between  $7 I_n$  and  $10 I_n$ .
- The curves show the cold thermal tripping limits when poles are charged and the electromagnetic tripping limits with 2 charged poles.
- The curves are used without any derating.



#### Short circuit current limiting

220 V with 1P, 440 V with 2P

250 V with 1P, 500 V with 2P

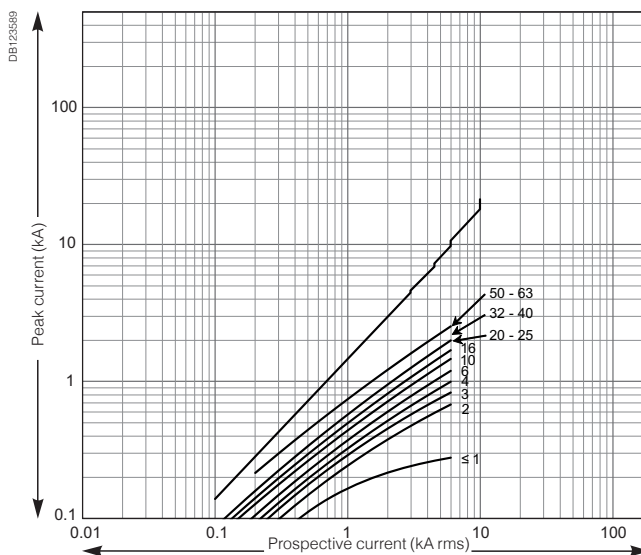
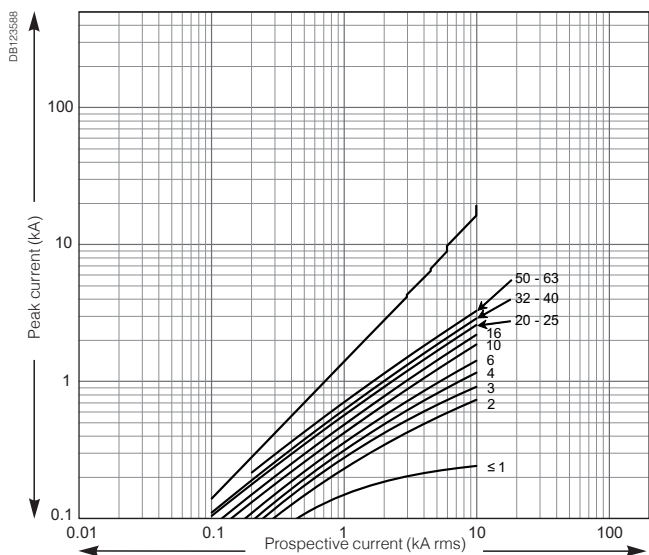


### Curves (cont.)

#### Thermal stress limitation curve

220 V with 1P, 440 V with 2P

250 V with 1P, 500 V with 2P



#### Temperature derating (according to UL 1077/ CSA22.2/ UL489A/ UL489/ IEC 60947-2 standards)

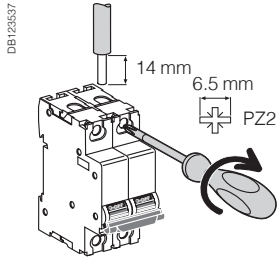
The maximum permissible current in a device depends on the ambient temperature in which it is placed. Ambient temperature is the temperature inside the enclosure or switchboard in which the devices have been installed.

The reference temperature is in the coloured column.




When several simultaneously operating devices are mounted side by side in a small enclosure, the temperature rise inside the enclosure causes a reduction in the current rating. A reduction coefficient of the order of 0.8 must therefore be allocated to the rating (already derated if it depends on the ambient temperature).

Temperature (°C)	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	
<b>Ratings (A)</b>																						
<b>0.5</b>	0.63	0.62	0.61	0.60	0.59	0.58	0.56	0.55	0.54	0.53	0.51	0.5	0.49	0.47	0.46	0.44	0.43	0.41	0.39	0.38	0.36	
<b>1</b>	1.18	1.17	1.15	1.14	1.12	1.10	1.09	1.07	1.05	1.04	1.02	1	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	
<b>1.2</b>	1.45	1.43	1.41	1.39	1.37	1.34	1.32	1.30	1.27	1.25	1.22	1.2	1.17	1.15	1.12	1.09	1.07	1.04	1.01	0.98	0.95	
<b>1.5</b>	1.86	1.83	1.80	1.77	1.74	1.71	1.67	1.64	1.61	1.57	1.54	1.5	1.46	1.42	1.39	1.34	1.30	1.26	1.22	1.17	1.12	
<b>2</b>	2.54	2.50	2.45	2.41	2.36	2.31	2.26	2.21	2.16	2.11	2.06	2	1.94	1.88	1.82	1.76	1.70	1.63	1.56	1.48	1.41	
<b>3</b>	3.78	3.71	3.65	3.58	3.51	3.45	3.38	3.30	3.23	3.16	3.08	3	2.92	2.84	2.75	2.66	2.57	2.48	2.38	2.27	2.17	
<b>4</b>	5.08	4.99	4.90	4.81	4.71	4.62	4.52	4.42	4.32	4.22	4.11	4	3.89	3.77	3.65	3.53	3.40	3.27	3.13	2.98	2.83	
<b>5</b>	6.00	5.92	5.83	5.74	5.66	5.57	5.48	5.39	5.29	5.20	5.10	5	4.90	4.80	4.69	4.58	4.47	4.36	4.24	4.12	4.00	
<b>6</b>	7.26	7.15	7.04	6.94	6.83	6.71	6.60	6.48	6.37	6.25	6.12	6	5.87	5.74	5.61	5.47	5.33	5.19	5.04	4.89	4.73	
<b>7</b>	8.76	8.62	8.47	8.32	8.17	8.01	7.85	7.69	7.52	7.35	7.18	7	6.82	6.63	6.44	6.24	6.03	5.82	5.60	5.37	5.13	
<b>8</b>	9.64	9.50	9.36	9.22	9.08	8.93	8.78	8.63	8.48	8.32	8.16	8	7.83	7.67	7.49	7.31	7.13	6.95	6.76	6.56	6.36	
<b>10</b>	12.59	12.38	12.16	11.94	11.71	11.49	11.25	11.01	10.77	10.52	10.26	10	9.73	9.45	9.17	8.87	8.57	8.25	7.92	7.58	7.22	
<b>13</b>	15.49	15.28	15.07	14.85	14.63	14.41	14.19	13.96	13.72	13.49	13.25	13	12.75	12.49	12.23	11.97	11.69	11.41	11.13	10.83	10.53	
<b>15</b>	18.61	18.31	18.01	17.70	17.38	17.06	16.74	16.40	16.07	15.72	15.36	15	14.63	14.25	13.85	13.45	13.03	12.60	12.16	11.69	11.21	
<b>16</b>	19.43	19.14	18.85	18.55	18.25	17.95	17.64	17.32	17.00	16.68	16.34	16	15.65	15.29	14.93	14.56	14.17	13.78	13.37	12.95	12.52	
<b>20</b>	24.06	23.72	23.37	23.02	22.67	22.31	21.94	21.56	21.18	20.80	20.40	20	19.59	19.17	18.74	18.30	17.85	17.39	16.92	16.43	15.93	
<b>25</b>	30.35	29.91	29.45	28.99	28.52	28.05	27.56	27.07	26.57	26.06	25.53	25	24.46	23.90	23.33	22.74	22.14	21.53	20.89	20.24	19.56	
<b>30</b>	37.35	36.74	36.12	35.50	34.86	34.21	33.54	32.86	32.17	31.46	30.74	30	29.24	28.46	27.66	26.83	25.98	25.10	24.19	23.24	22.25	
<b>32</b>	38.45	37.91	37.36	36.80	36.24	35.66	35.08	34.48	33.88	33.27	32.64	32	31.35	30.68	30.00	29.31	28.59	27.86	27.11	26.34	25.54	
<b>35</b>	44.15	43.40	42.63	41.86	41.06	40.25	39.42	38.58	37.72	36.83	35.93	35	34.05	33.06	32.05	31.01	29.93	28.81	27.64	26.42	25.14	
<b>40</b>	48.92	48.17	47.42	46.65	45.87	45.08	44.28	43.45	42.62	41.76	40.89	40	39.09	38.16	37.20	36.22	35.21	34.17	33.10	31.99	30.84	
<b>50</b>	59.93	59.09	58.25	57.39	56.52	55.63	54.74	53.82	52.89	51.95	50.98	50	49.00	47.97	46.93	45.86	44.77	43.64	42.49	41.31	40.09	
<b>60</b>	76.16	74.83	73.48	72.11	70.71	69.28	67.82	66.33	64.81	63.25	61.64	60	58.31	56.57	54.77	52.92	50.99	48.99	46.90	44.72	42.43	
<b>63</b>	78.16	76.91	75.63	74.33	73.01	71.67	70.30	68.90	67.47	66.02	64.53	63	61.44	59.83	58.18	56.49	54.74	52.93	51.06	49.12	47.10	

### Multi-cables connection



### Without accessory

Rating	Tightening torque	2 Copper cables		3 Multi-cables / Different wires	
		Rigid / Stranded	Flexible or ferrule	Flexible / Stranded	Flexible / Stranded / Rigid
					
≤ 25 A	2.5 N.m / 22 lb.in	2 x 1 mm <sup>2</sup> to 2 x 10 mm <sup>2</sup> 2 x 18 AWG - 2 x 8 AWG		3 x 1 mm <sup>2</sup> 3 x 18 AWG	2 x 2.5 mm <sup>2</sup> + 1 x 1.5 mm <sup>2</sup> 2 x 13 AWG + 1 x 15 AWG
> 25 A	3.5 N.m / 31 lb.in	2 x 1 mm <sup>2</sup> to 2 x 16 mm <sup>2</sup> 2 x 18 AWG - 2 x 6 AWG		3 x 4 mm <sup>2</sup> 3 x 6 AWG	2 x 10 mm <sup>2</sup> + 1 x 6 mm <sup>2</sup> 2 x 8 AWG + 1 x 9 AWG



A9N61661



DB404540

The C60PV-DC is a DC circuit breaker dedicated to multi string photovoltaic installations.

This circuit breaker is designed to protect the cables located between each string of photovoltaic modules and the photovoltaic inverter against overloads and short circuits (see application diagram).

Combined with a switch (of the C60NA-DC type, for example), the C60PV-DC will be installed in a string PV protection enclosure at the end of each string of photovoltaic modules.

It can be locked (by a padlocking device) in OFF position as a safety measure for removal of the PV inverter.

Since a fault current can flow in the reverse direction to the operating current, the C60PV-DC can detect and protect against any bidirectional current.

To ensure the safety of the installation, it is necessary, depending on the various types of application, to combine the C60PV-DC with:

- a residual current device at the AC end,
  - a fault passage detector (insulation monitoring device) at the DC end
  - an earth protection circuit breaker at the DC end (see Practical Advice CA908035).
- In all cases, fast action on site will be required to clear the fault (protection not ensured in the event of a double fault).

C60PV-DC is not polarity sensitive: (+) and (-) wires can be inverted without any risk.

The C60PV-DC is delivered with three inter-pole barriers to provide increased isolation distance between two adjacent connectors.

## IEC / EN 60947-2

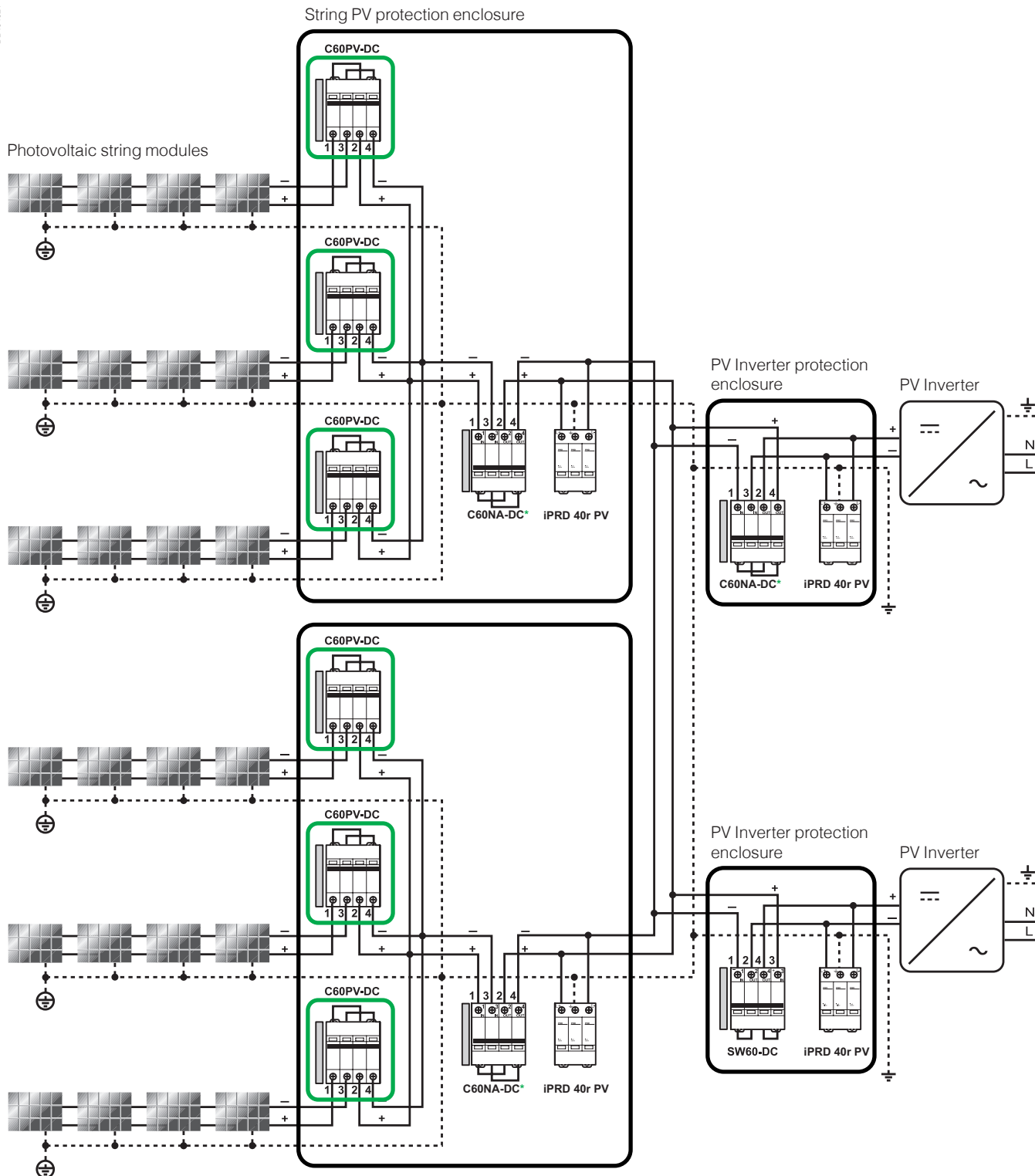
## CE

Main characteristics	
<b>Operating voltage (Ue)</b>	800 V DC
<b>Rated insulation voltage (Ui)</b>	1,000 V DC
<b>Breaking capacity (Icu)</b>	1.5 kA
<b>Impulse voltage (Uimp)</b>	6 kV
<b>Electrical connection</b>	By the bottom for In and Out
<b>Number of poles</b>	2P
<b>Number of modules of 9 mm</b>	8
<b>Diagrams</b>	
<b>Standards</b>	IEC 60947-2 EN 60947-2
Rating (A)	Catalogue numbers
1	A9N61653
2	A9N61654
3	A9N61655
5	A9N61656
8	A9N61657
10	A9N61650
13	A9N61658
15	A9N61659
16	A9N61651
20	A9N61652
25	A9N61660
<b>Auxiliaries</b>	See modules CA907008 and CA907013



Application diagram

DB404621



\*C60NA-DC:  
20 A/1000 V DC or  
32 A/800 V DC or  
50 A/700 V DC

MN, MX, MNx, MNs, MX+OF,  
OF, SD, OF+SD/OF

Technical data

- Position contact indication - suitability for isolation according to IEC/EN 60947-2 standard.
- The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety.
- Increased product service life thanks to fast closing independent of the speed of actuation of the toggle.
- Pre-wired product: Input / Output on the same side.

Main characteristics

Rated service breaking capacity (Ics)		100 % of the Icu
Endurance (O-C)	Electrical	1,500 cycles (where L/R=2 ms)
	Mechanical	20,000 cycles
Mechanical		20,000 cycles
Degree of pollution		2
Category		A (no delay in accordance with IEC / EN 60947-2 standards)
Tropicalisation		Relative humidity: 95 % at 55°C in accordance with IEC 60068-2 and GB 14048.2 standards
Temperature	Operating	-25°C to 70 °C
	Storage	-40°C to 85°C

Additional characteristics

Rating (A)	Voltage drop (mV)	Impedance (mΩ)	Power loss (W)
1	9200	9200	9.2
2	5104	2552	10.2
3	2980	993.3	8.9
5	2000	400	10
8	1384	173	11.1
10	680	68	6.8
13	572	44	7.4
15	600	40	9
16	648	40.5	10.4
20	588	29.4	11.8
25	488	19.5	12.2

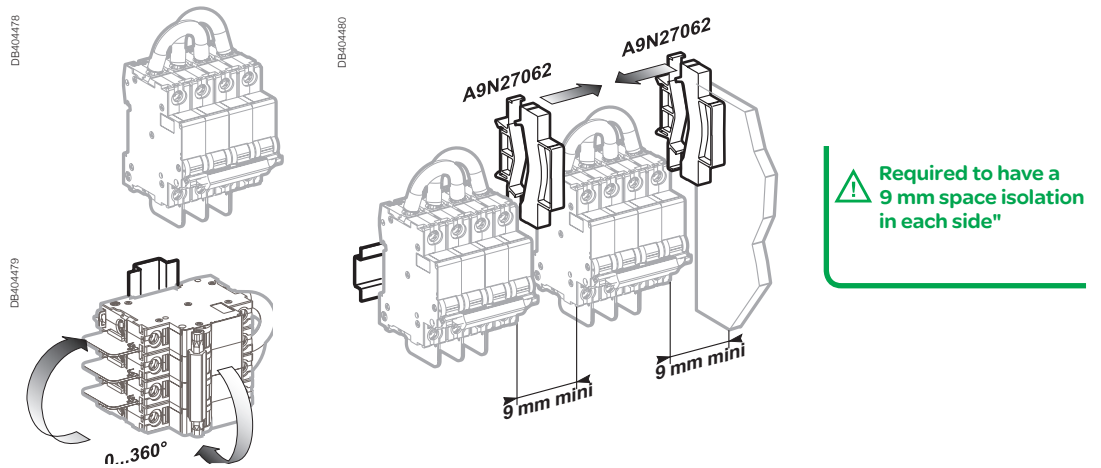
Derating table (A)

C60PV-DC Rating	Ambient temperature (°C)																				
	-30	-25	-20	-15	-10	-5	0	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50	+55	+60	+65	+70
1 A	1.18	1.17	1.15	1.14	1.12	1.1	1.09	1.07	1.05	1.04	1.02	<b>1</b>	0.98	0.96	0.94	0.92	0.9	0.88	0.86	0.84	0.82
2 A	2.54	2.5	2.45	2.41	2.36	2.31	2.26	2.21	2.16	2.11	2.06	<b>2</b>	1.94	1.88	1.82	1.76	1.7	1.63	1.56	1.48	1.41
3 A	3.78	3.71	3.65	3.58	3.51	3.45	3.38	3.3	3.23	3.16	3.08	<b>3</b>	2.92	2.84	2.75	2.66	2.57	2.48	2.38	2.27	2.17
5 A	6	5.92	5.83	5.74	5.66	5.57	5.48	5.39	5.29	5.2	5.1	<b>5</b>	4.9	4.8	4.69	4.58	4.47	4.36	4.24	4.12	4
8 A	9.64	9.5	9.36	9.22	9.08	8.93	8.78	8.63	8.48	8.32	8.16	<b>8</b>	7.83	7.67	7.49	7.31	7.13	6.95	6.76	6.56	6.36
10 A	12.6	12.4	12.2	11.9	11.7	11.5	11.2	11	11.8	10.5	10.3	<b>10</b>	9.7	9.4	9.2	9.9	8.6	8.2	7.9	7.6	7.2
13 A	15.5	15.3	15.1	14.8	14.6	14.4	14.2	14	13.7	13.5	13.2	<b>13</b>	12.7	12.5	12.2	12	11.7	11.4	11.1	10.8	10.5
15 A	18.6	18.3	18	17.7	17.4	17.1	16.7	16.4	16.1	16.7	15.4	<b>15</b>	14.6	14.3	13.9	13.5	13.0	12.6	12.2	11.7	11.2
16 A	19.4	19.1	18.9	18.6	18.3	18.0	17.6	17.3	17.0	16.7	16.3	<b>16</b>	15.7	15.3	14.9	14.6	14.2	13.8	13.4	13.0	12.5
20 A	24.1	23.7	23.4	23.0	22.7	22.3	21.9	21.6	21.2	20.8	20.4	<b>20</b>	19.6	19.2	18.7	18.3	17.9	17.4	16.9	16.4	15.9
25 A	30.4	29.9	29.5	29.0	28.5	28.1	27.6	27.1	26.6	26.1	25.5	<b>25</b>	24.5	23.9	23.3	22.7	22.1	21.5	20.9	20.2	19.6

## Technical data (cont.)

Moreover it is recommended to use:

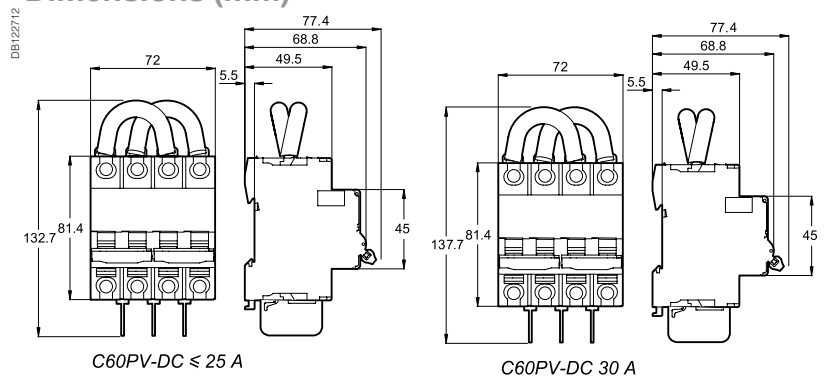
- a terminal Screw Shield snaps onto the front of the C60PV-DC protective devices to provide greater insulation of the terminal screws
- a spacer clips 9 mm in each side to provide isolation.



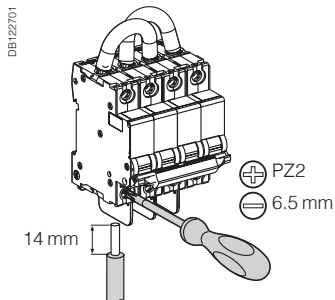
## Weight (g)

Circuit breaker	
Type	C60PV-DC
	545

## Dimensions (mm)



## Connection



Rating	Tightening torque	Without accessory		With accessories	
		Copper cables UL 486A file no. #E216919		50 mm <sup>2</sup> Cu/Al Terminal	Ring tongue terminal screw connection
		Rigids	Flexibles with ferrule		
y 25 A	2.5 N.m	DB112904 	DB112905 	DB119755 	DB119756 
		1 to 25 mm <sup>2</sup>	1 to 16 mm <sup>2</sup>	50 mm <sup>2</sup>	Ø 5 mm

PB109044-50



The C60NA-DC is a direct current switch-disconnector dedicated to disconnection of the string of photovoltaic modules and the PV inverter.

It is designed to isolate the string of photovoltaic modules and the inverter from the rest of the photovoltaic installation for maintenance operations in complete safety.

Combined with a circuit breaker (of the C60PV-DC type, for example), the C60NA-DC will be installed in a string PV protection enclosure close to the strings of photovoltaic modules. It can also be installed near the PV inverter.

It can be locked (by a padlocking device) in OFF position to ensure safety during maintenance operations.

Since a fault current can flow in the reverse direction to the normal operating current, the C60NA-DC can switch a multi-directional current.

C60NA-DC is not polarity sensitive: (+) and (-) wires can be inverted without any risk.

The C60NA-DC is delivered with three inter-pole barrier to provide increased isolation distance between two adjacent connectors.

## IEC / EN 60947-3

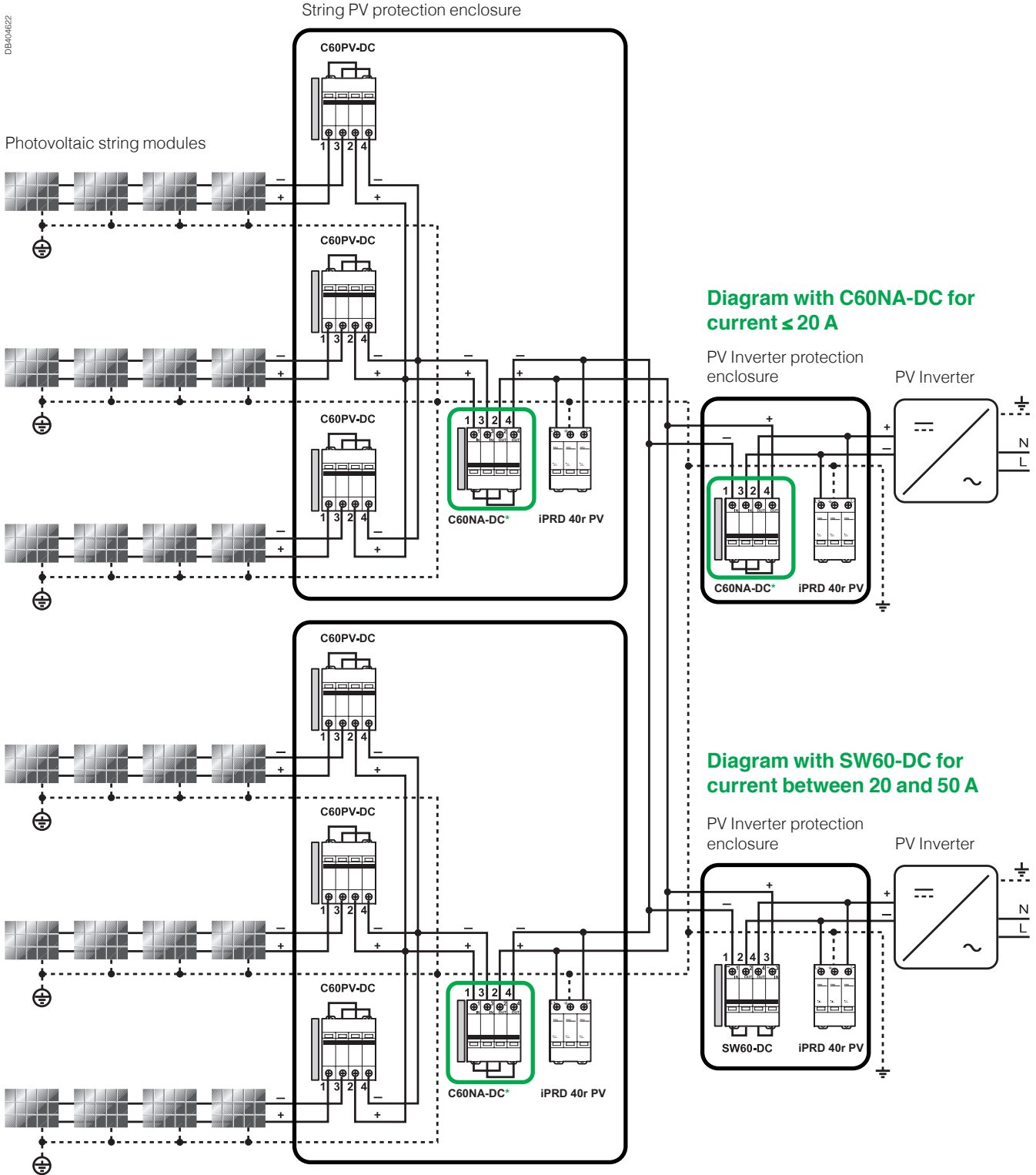


DB404841



Main characteristics	
Operating voltage (Ue)	20 A: 1000 V CC
	32 A: 800 V CC
	50 A: 700 V CC
Rated insulation voltage (Ui)	1,000 V DC
Rated operational current (Ie)	50 A
Impulse voltage (Uimp)	6 kV
Permissible rated short-time withstand current (Icw)	600 A
Rated short-circuit closing current (Icm)	1 kA
Electrical connection	By the top for In and Out
Number of poles	2P
Number of modules of 9 mm	8
Diagrams	
Standards	IEC 60947-3 EN 60947-3
Catalogue number	<b>A9N61690</b>
Auxiliaries	See modules CA907008 and CA907013

Application diagram



DB940822

\*C60NA-DC:  
20 A/1000 V DC or  
32 A/800 V DC or  
50 A/700 V DC

MN, MX, MNx, MN $\square$ , MX+OF,  
OF, SD, OF+SD/OF, OF+SD24

# DC main switch for photovoltaic installations C60NA-DC (cont.)

## Technical data

- Position contact indication - suitability for isolation according to IEC/EN 60947-3 standard.
- The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety.
- Increased product service life thanks to fast closing independent of the speed of actuation of the toggle.
- Pre-wired product: Input / Output on the same side.

### Main characteristics

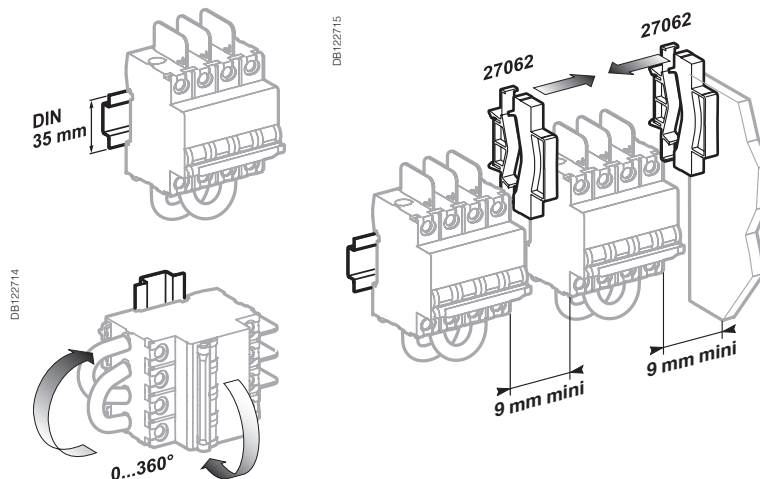
Endurance (O-C)	Electrical	1,500 cycles
	Mechanical	20,000 cycles
Degree of pollution		2
Category		DC21B
Tropicalisation		Relative humidity: 95 % at 55°C in accordance with IEC 60068-2 and GB 14048.2 standards
Temperature	Operating	-25°C to 70 °C
	Storage	-40°C to 85°C

### Derating table (A)

C60NA-DC	Ambient temperature (°C)											
Rating	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50	+60	+70
50 A	63	61	60	58	56	54	52	50	48	46	41	35

Moreover it is recommended to use:

- a terminal Screw Shield snaps onto the front of the C60NA-DC protective devices to provide greater insulation of the terminal screws
- a Spacer clips 9 mm in each side to provide isolation.

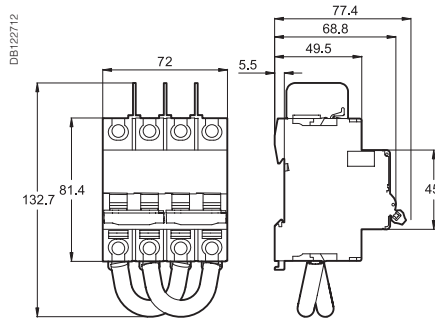


Technical data (cont.)

Weight (g)

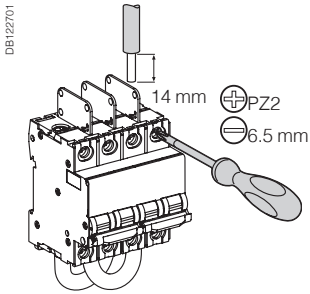
Switch disconnecter	
Type	C60NA-DC
	530

Dimensions (mm)



C60NA-DC

Connection



Rating	Tightening torque	Without accessory		With accessories			
		Copper cables UL 486A file no. #E216919		50 mm <sup>2</sup> Cu/Al Terminal	Screw on connection for ring terminal	Multi-cables terminal	
		Rigids	Flexibles with ferrule			Rigid cables	Flexible cables
50 A	3.5 N.m	 DB112825 1 to 35 mm <sup>2</sup>	 DB112825 1 to 25 mm <sup>2</sup>	 DB112756 50 mm <sup>2</sup>	 DB112757 Ø 5 mm	 3 x 16 mm <sup>2</sup>	 3 x 10 mm <sup>2</sup>

DB122698



DB122699



The SW60-DC is a DC main switch disconnecter dedicated to main isolation and control in photovoltaic installation with Voc until 1000 V DC.

Associated with string protections devices (eg: C60PV-DC) and junction box switch (eg: C60NA-DC), SW60-DC shall be installed between the PV field and the inverter (see application diagram).

It isolates the PV field to allow safe maintenance on inverter.

It can be padlocked in off position to guarantee safety in case of inverter removal (see C60 accessories).

SW60-DC is polarity sensitive: (+) and (-) has to be respected for connection.

The SW60-DC is a trip-free switch that can be remotely controlled by adding an MN or MX auxiliary:

- it is also compatible with the OF (open/closed) auxiliary from the C60 range,
- it is delivered with three inter-pole barrier to provide increased isolation distance between two adjacent connectors.

## IEC / EN 60947-3



### General technical data

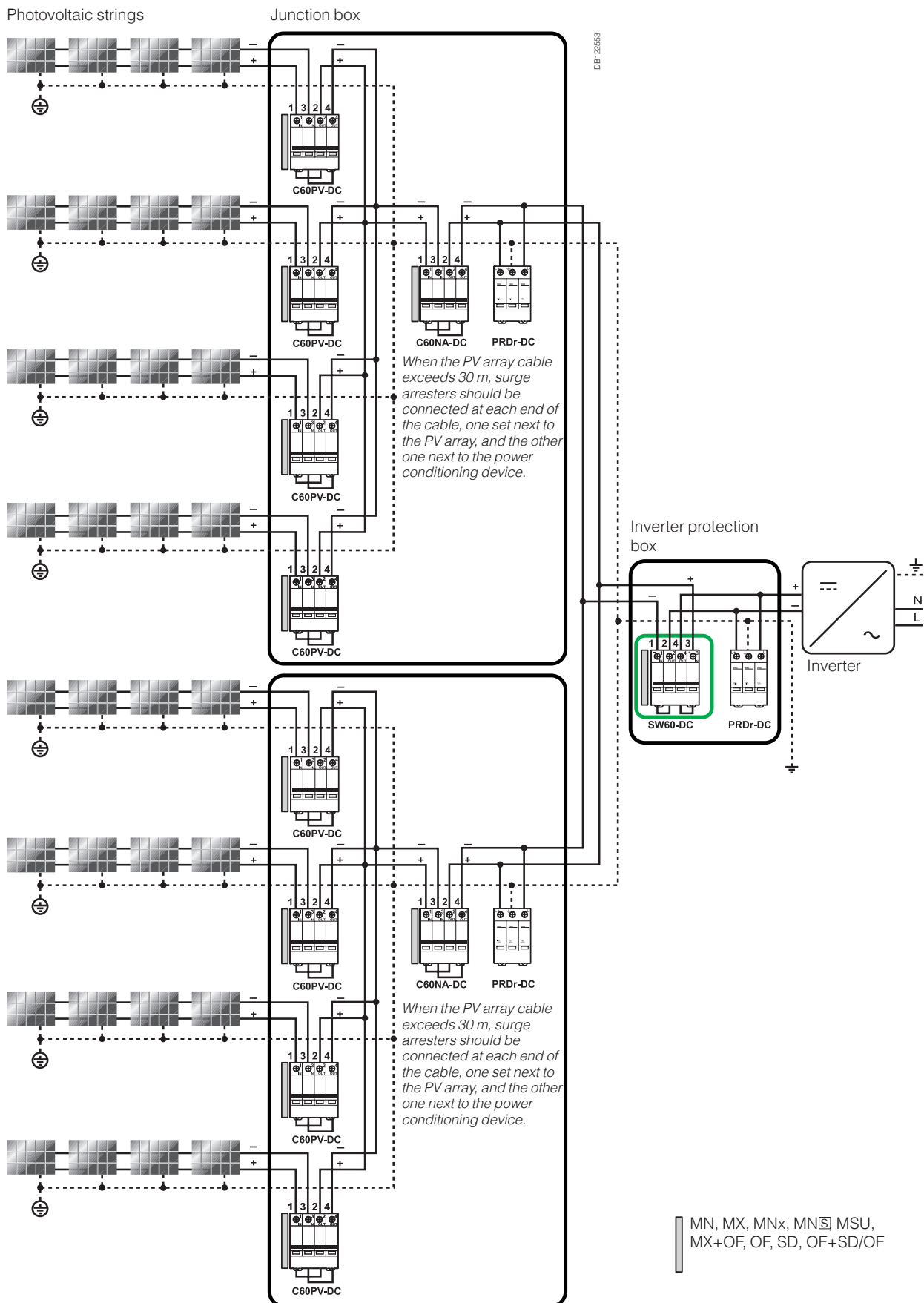
<b>Operating voltage (Ue)</b>	1000 V DC
<b>Rated insulation voltage (Ui)</b>	1000 V DC
<b>Rated operational current (Ie)</b>	50 A
<b>Impulse voltage (Uimp)</b>	6 kV
<b>Electrical connection</b>	By the top for In and Out
<b>Number of poles</b>	2P
<b>Number of modules of 9 mm</b>	8
<b>Diagrams</b>	
<b>Standards</b>	IEC 60947-3 EN 60947-3
<b>Catalogue number</b>	<b>MGN61699</b>

### Additional characteristics

Rating (A)	Voltage drop (mV)	Impedance (mΩ)	Power loss (W)
50 A	251	5.02	12.54



Applications



Technical data

- Position contact indication - suitability for isolation according to IEC/EN 60947-3 standard.
- The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety.
- Increased product service life thanks to fast closing independent of the speed of actuation of the toggle.
- Pre-wired product: Input / Output on the same side.

Endurance (O-C)

Electrical	1,500 cycles
Mechanical	20,000 cycles

Complementary technical data

Degree of pollution	2
Category	DC21A
Weight	530 g / 18.69 oz

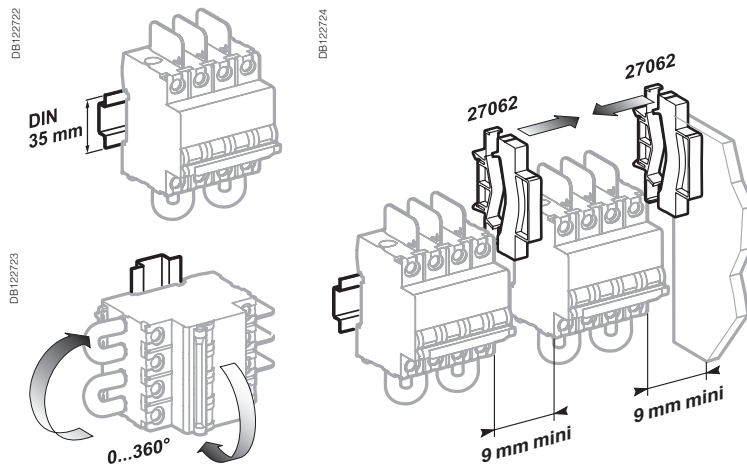
Environment

Tropicalisation	Relative humidity: 95 % at 55°C / 131°F in accordance with IEC 60068-2 and GB 14048.2 standards												
Temperature	Operating	-25°C to 70 °C / -13°F to 158°F											
	Storage	-40°C to 85°C / -40°F to 185°F											
	Rating adjustment	40°C / 104°F											
Derating	Temperature*	5°C / 41°F	10°C / 50°F	15°C / 59°F	20°C / 68°F	25°C / 77°F	30°C / 86°F	35°C / 95°F	40°C / 104°F	45°C / 113°F	50°C / 122°F	60°C / 140°F	70°C / 158°F
	Rating	63 A	61 A	60 A	58 A	56 A	54 A	52 A	50 A	48 A	46 A	41 A	35 A

(\* ) the temperature level must be calculated using a heat balance of the enclosure in which the device is to be installed.

Moreover it is recommended to use:

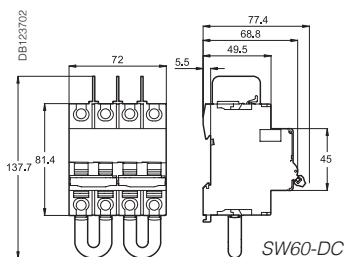
- a terminal Screw Shield snaps onto the front of the SW60-DC protective devices to provide greater insulation of the terminal screws.
- a Spacer clips 9 mm in each side to provide isolation.



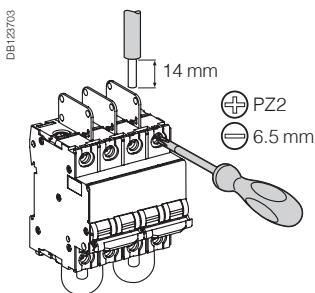
**!** 9 mm spacers must be used on both sides of the device to create a local ventilation space around the product.

**!** Failure to match polarity during connection may lead to a fire hazard and/or serious injury. The connection polarity must be observed (marked on the front panel). Use only with direct current.

Dimensions (mm)



## Connection

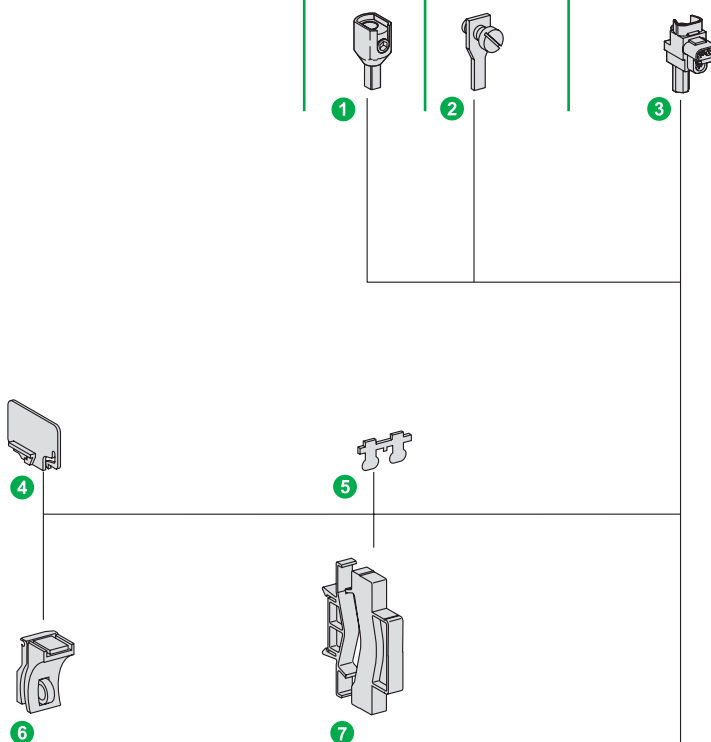


Rating	Tightening torque	Without accessory		With accessories		Multi-cables terminal	
		Copper cables UL 486A file no. #E216919	50 mm <sup>2</sup> Cu/Al Terminal	screw on connection for ring terminal	Rigid cables	Flexible cables	
50 A	3.5 N.m	Rigid DB112604 DB112605	Flexibles with ferrule DB118755	DB118756	DB118757	Rigid cables 3 x 16 mm <sup>2</sup>	Flexible cables 3 x 10 mm <sup>2</sup>

1	Terminal 50 mm <sup>2</sup> Al / Cu	27060
2	Ring tongue terminal screw connection	27053
3	Insulated distribution terminal	4 pieces: 19091 3 pieces: 19096

## Assembly

4	Inter-pole barrier	27001
5	Screw shield	26981
6	Padlocking accessory (to be locked in the "open" position)	26970
7	Spacer	27062



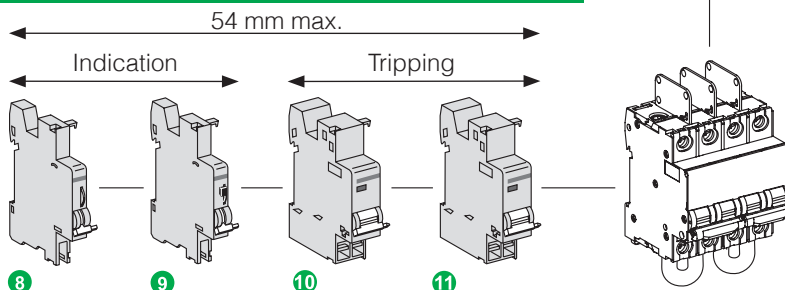
## C60 auxiliaries (see modules 90081 - 91103)

### Indication

8	SD fault indicating switch
9	OF open/closed contact

### Tripping

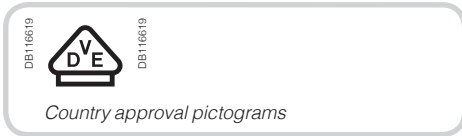
10	MN undervoltage release
11	MX, MX+OF shunt release



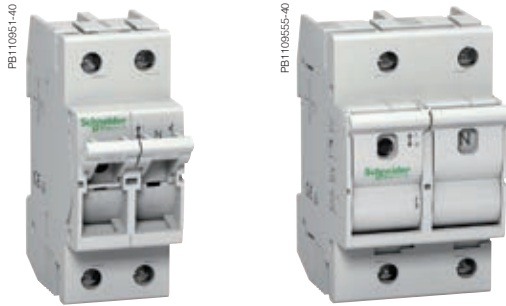
The electrical auxiliaries must be installed to the left of the circuit breaker and within a width of 54 mm. The SD auxiliary contact must be associated with an auxiliary (MN, MX, MX+OF); it indicates that the switch has been tripped open.

# D0 fuse-disconnector





IEC/EN 60947-1, IEC/EN 60947-3, IEC 60269-1,  
IEC 60269-3,  
VDE 0660-100, VDE 0660-107



- The plug-in fuse switches disconnectors D01 and the switches disconnectors fuse D02 provide protection against overloads and short circuits.
- They are used for service sector and industrial applications.
- Depending on the versions, they should be provided with D01 or D02 type cartridges.

### Accessories

- The D02 gauges allow you to limit the rating of the fuses, depending on the model used, from 20 A to 50 A.

## Catalogue numbers

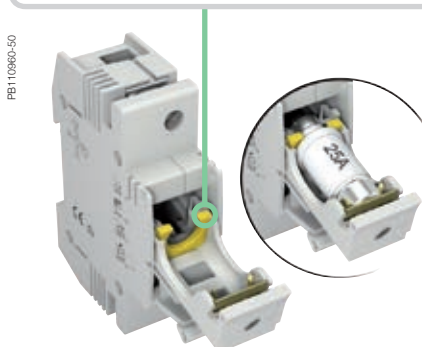
Fuse disconnectors switches								
Type	1P	1P+N	D02	2P	3P	D02	3P+N	D02
	D01 DB405042 1 2	D01 DB405043 1 N 2 N	D02 DB405038 1 N 2 N	D02 DB405044 1 3 2 4	D01 DB405045 1 3 5 2 4 6	D02 DB405039 1 3 5 2 4 6	D01 DB405046 1 3 5 N 2 4 6 N	D02 DB405040 1 3 5 N 2 4 6 N
<b>D01 fuse switches disconnectors</b>								
<b>Rating (In)</b>								
10 A	-	<b>MGN01610</b>		-	-		<b>MGN01710</b>	
13 A	-	<b>MGN01613</b>		-	-		<b>MGN01713</b>	
16 A	-	<b>MGN01616</b>		-	<b>MGN01316</b>		<b>MGN01716</b>	
<b>D02 switches disconnectors fuse</b>								
<b>Rating (In)</b>								
63 A	<b>MGN02163</b>	<b>MGN02663</b>		<b>MGN02263</b>	<b>MGN02363</b>		<b>MGN02763</b>	
Width in 9 mm modules	2	4		4	6		8	



Accessories for D02 switches disconnectors fuse			
Type	Rating	Colour	
Fuse gauge	20 A	Blue	<b>MGN09120</b>
	25 A	Yellow	<b>MGN09125</b>
	32-35-40 A	Black	<b>MGN09135</b>
	50 A	White	<b>MGN09150</b>

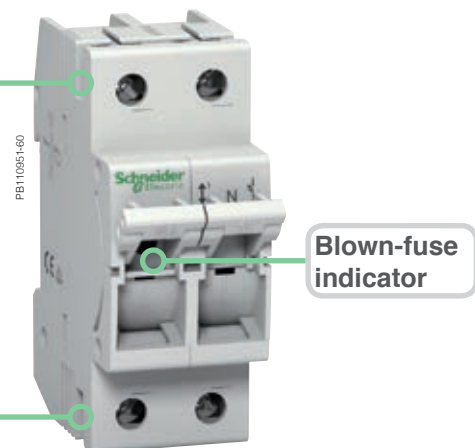
### D02 : Gauges

- These allow fitting of fuses from 20 A to 50 A



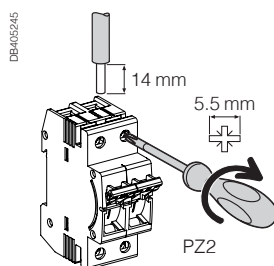
### Connection

- Upstream/downstream by tunnel terminals
- For D01: by 18 mm forked comb busbar



# D0 fuse disconnectors switches (cont.)

## Connection

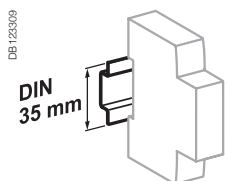


Type	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
D01	2 N.m	1.5 to 25 mm <sup>2</sup>	1.5 to 16 mm <sup>2</sup>
D02	3 N.m	1.5 to 35 mm <sup>2</sup>	1.5 to 25 mm <sup>2</sup>

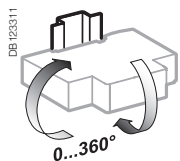
## Technical data

Main characteristics		D01	D02
Operating voltage (Ue)		230/400 V AC	230/400 V AC 110 V DC (2P)
Operating frequency (Hz)		45-62 Hz	45-62 Hz
Service breaking capacity (Isc)	AC	50 kA	50 kA
	DC	-	8 kA
Rated insulation voltage (Ui)		400 V	400 V
Rated impulse withstand voltage (Ui)		6000 V	6000 V
Utilization category (IEC 60947-3)	400 V AC	AC-22A	AC-22A (63 A) AC-23A (35 A)
	110 V DC (2P)	-	DC-22B (63 A)
	48 V DC (1P)	-	DC-22A (63 A)
Endurance (O-C)	Electrical	1500 cycles	1500 cycles
	Mechanical	10,000 cycles	8500 cycles

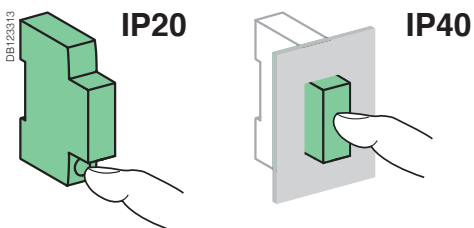
Additional characteristics		
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature		-5°C to +40°C
Storage temperature		-25°C to +55°C



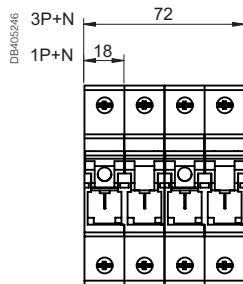
Clip on DIN rail 35 mm.



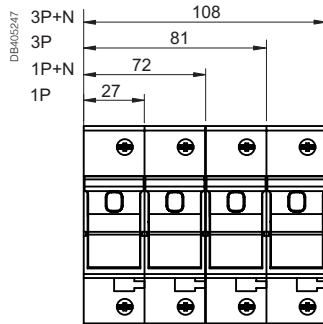
Indifferent position of installation.



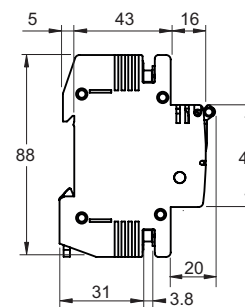
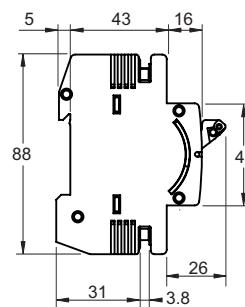
## Dimensions (mm)



D01 fuse switches disconnectors



D02 switches disconnectors fuse



# Back-up table

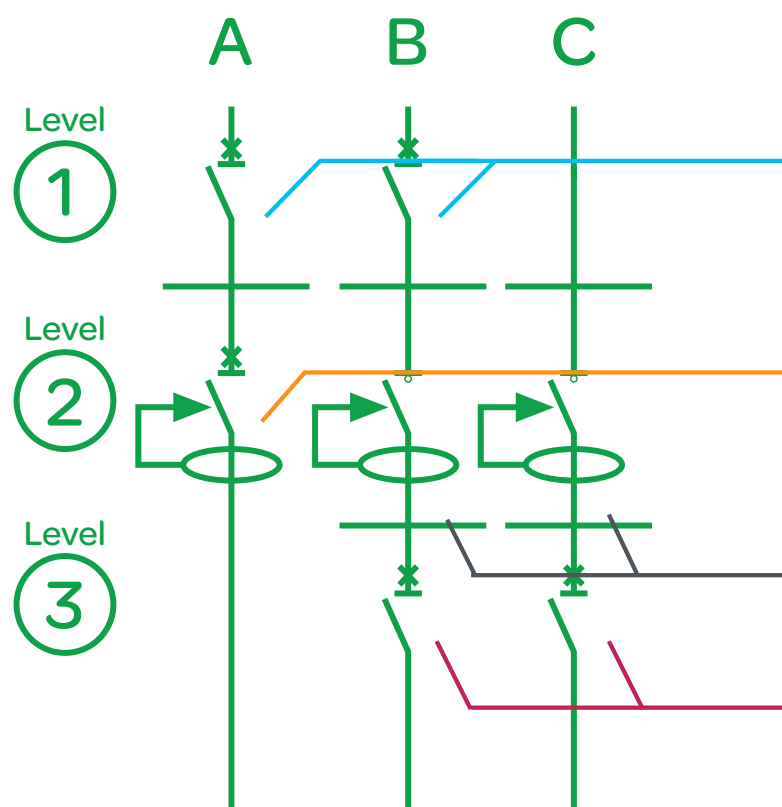


# Selection guide for equipment with residual current protection - 10 kA

## Un: 230-240V/380-415V TT and TN earthing systems

MCCB's	Trip units	In	Valid combinations
NG125N	TM	10-125A	A/B/C* ( $\leq 63A$ (i)ID)
NG125L	TM	10-80A	A/B/C* ( $\leq 80A$ (i)ID)
NG160E/N/H	TM	16-160A	A/B
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
IDPNN Vigi	1P+N/3P+N	1-40A	A
IDPNN Vigi	1P+N	1-40A	A
DCP N	3P+N	1-32A	A
(i)C60N/H/L Vigi	1P+N/3P+N	0,5-63A	A
RCCB's	Number of poles	In	Valid combinations
(i) ID (RCCB)	2/4	25-100A	B/C*
MCB's	Number of poles	In	Valid combinations
(i)iDPN N	1P+N/3P+N	1-40A	B
IDPNN	1P+N	1-40A	B
(i)C60N/H/L	1+N-4P	0,5-63A	B/(C please contact Schneider Electric)*

The following components can be used:



Connections between level 2 (residual current protection devices) and level 3 (miniature circuit breakers) must be installed so that the short circuit and earth fault can be ruled out.

\* For combination C miniature circuit breaker can be placed in either level 1 or 3.

Is it 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.



# Back-up table

## Combination A:

	MCCB's ①	NG125N	NG125L	NG160E	NG160N/H	NS(X) 100B/F/N	NS(X) 160B/F/N	NS(X) 250B/F/N
RCBO ②	In							
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
DCP N	1-16A	16	20	16	16	16	16	16
DCP N	20-32A	10	10	10	10	10	10	10
(i)C60N Vigi	0,5-63A	25	25	16	20/25	20/25/30	20/25/30	20/25/25
(i)C60N Vigi	0,5-63A	25	36	16	25	25/36/40	25/30/30	25/25/25
(i)C60N Vigi	0,5-25A	30	50	16	25	-/36/40	-/36/40	25/30/30
(i)C60N Vigi	32-40A	25	50	16	25	25/30/30	25/36/40	25/30/30
(i)C60N Vigi	50-63A	25	36	16	25	25/36/40	25/30/30	25/25/25

## Combination B & C:

Upstream MCCB ①	Downstream MCB ③	In	Back-up
NG125N/L	iDPNN/iDPNN	1-16A	16
NG125N/L	iDPNN/iDPNN	20-40A	10
NG160E/N/H	iDPNN/iDPNN	1-16A	16
NG160E/N/H	iDPNN/iDPNN	20-40A	10
NS(X)100/160/250	iDPNN/iDPNN	1-16A	16
NS(X)100/160/250	iDPNN/iDPNN	20-40A	10
NG125N/L	(i)C60N/H/L	0,5-40A	25
NG125N/L	(i)C60N/H/L	50-63A	16
NG160E	(i)C60N/H/L	0,5-63A	16
NG160N/H	(i)C60N/H/L	0,5-40A	25
NG160N/H	(i)C60N/H/L	50-63A	16
NS(X)100/160	(i)C60N/H/L	0,5-40A	25
NS(X)100/160	(i)C60N/H/L	50-63A	16
NS(X)250	(i)C60N/H/L	0,5-40A	20
NS(X)250	(i)C60N/H/L	50-63A	16
-	(i)C60N	0,5-63A	10
-	(i)C60H	0,5-63A	15
-	(i)C60L	0,5-63A	Please contact Schneider Electric
NG125N (10-63A)	-	-	16(25-40A (i)ID) – 10(63A (i)ID)
NG125L	-	-	25(25A (i)ID) – 20(40A (i)ID) – 10(63-80A (i)ID)
NG160E/N/H	-	-	7
NS(X)100/160	-	-	5

Valid for RCCB's with In between 25 and 100 A,  
if not specified otherwise.

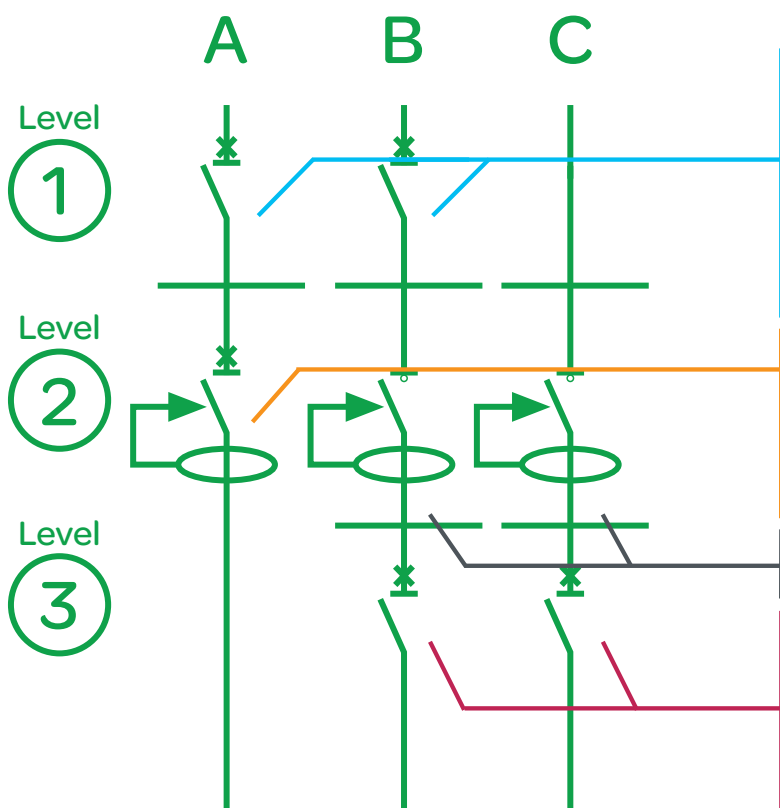
Please note that the RCCB's have to be protected against overload situation.

# Selection guide for equipment with residual current protection - 16 kA

## Un: 230-240V/380-415V TT and TN earthing systemer

MCCB's	Trip units	In	Valid combinations
NG125N	TM	10-125A	A/B/C* ( $\leq 40A$ (i)ID)
NG125L	TM	10-80A	A/B/C* ( $\leq 40A$ (i)ID)
NG160E/N/H	TM	16-160A	A/B
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
IDPNN Vigi	1P+N/3P+N	1-40A	A
IDPNN Vigi	1P+N	1-40A	A
DCP N	3P+N	1-16A	A
(i)C60N/H/L Vigi	1P+N/3P+N	0,5-63A	A
RCCB's	Number of poles	In	Valid combinations
(i) ID (RCCB)	2/4	25-100A	B/C*
MCB's	Number of poles	In	Valid combinations
IDPNN	1P+N / 3P+N	1-16A	B
DPN N	1P+N	1-16A	B
(i)C60N	1P+N-4P	0,5-63A	B
(i)C60L	1P+N-4P	0,5-63A	B/(C please contact Schneider Electric)*

The following components can be used:



Connections between level 2 (residual current protection devices) and level 3 (miniature circuit breakers) must be installed so that the short circuit and earth fault can be ruled out.

\* For combination C miniature circuit breaker can be placed in either level 1 or 3.

Is it 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.

# Back-up table

## Combination A:

	MCCB's ①	NG125N	NG125L	NG160E	NG160N/H	NS(X) 100B/F/N	NS(X) 160B/F/N	NS(X) 250B/F/N
RCBO ②	In							
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
DCP N	1-16A	16	20	16	16	16	16	16
DCP N	20-32A	10	10	10	10	10	10	10
(i)C60N Vigi	0,5-63A	25	25	16	20/25	20/25/30	20/25/30	20/25/25
(i)C60H Vigi	0,5-63A	25	36	16	25	25/36/40	25/30/30	25/25/25
(i)C60L Vigi	0,5-25A	30	50	16	25	-/36/40	-/36/40	25/30/30
(i)C60L Vigi	32-40A	25	50	16	25	25/30/30	25/36/40	25/30/30
(i)C60L Vigi	50-63A	25	36	16	25	25/36/40	25/30/30	25/25/25

## Combination B & C:

Upstream MCCB ①	Downstream MCB ③	In	Back-up
NG125N/L	IDPNN/IDPNN	1-16A	16
NG125N/L	IDPNN/IDPNN	20-40A	10
NG160E/N/H	IDPNN/IDPNN	1-16A	16
NG160E/N/H	IDPNN/IDPNN	20-40A	10
NS(X)100/160/250	IDPNN/IDPNN	1-16A	16
NS(X)100/160/250	IDPNN/IDPNN	20-40A	10
NG125N/L	(i)C60N/H/L	0,5-40A	25
NG125N/L	(i)C60N/H/L	50-63A	16
NG160E	(i)C60N/H/L	0,5-63A	16
NG160N/H	(i)C60N/H/L	0,5-40A	25
NG160N/H	(i)C60N/H/L	50-63A	16
NS(X)100/160	(i)C60N/H/L	0,5-40A	25
NS(X)100/160	(i)C60N/H/L	50-63A	16
NS(X)250	(i)C60N/H/L	0,5-40A	20
NS(X)250	(i)C60N/H/L	50-63A	16
-	(i)C60N	0,5-63A	10
-	(i)C60H	0,5-63A	15
-	(i)C60L	0,5-63A	Please contact Schneider Electric
NG125N (10-63A)	-	-	16(25-40A (i)ID) – 10(63A (i)ID)
NG125L	-	-	25(25A (i)ID) – 20(40A (i)ID) – 10(63-80A (i)ID)
NG160E/N/H	-	-	7
NS(X)100/160	-	-	5

Valid for RCCB's with In between 25 and 100 A, if not specified otherwise.

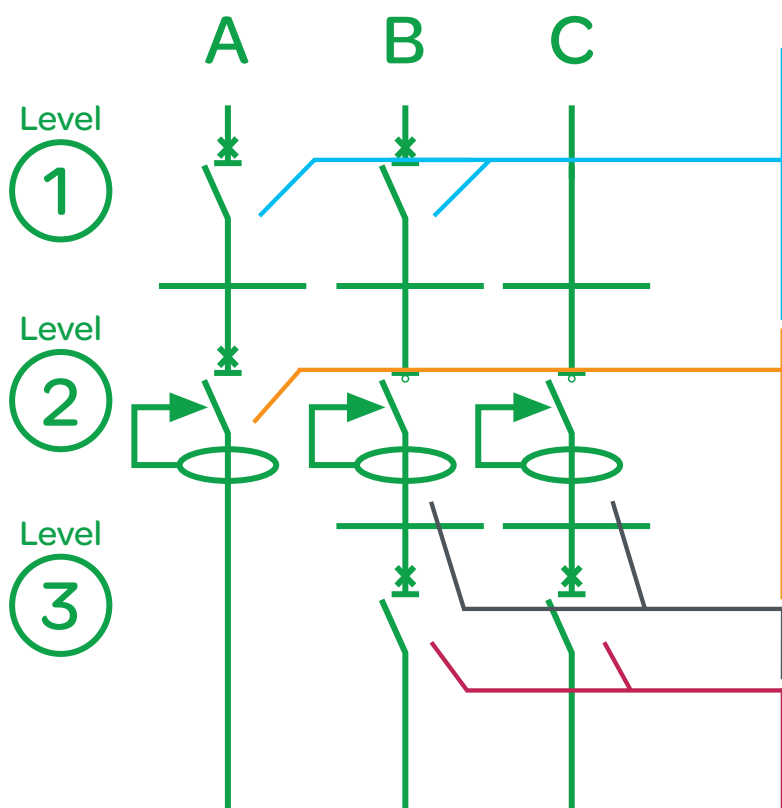
Please note that the RCCB's have to be protected against overload situation.

# Selection guide for equipment with residual current protection - 20 kA

## Un: 230-240V/380-415V TT and TN earthing systemer

MCCB's	Trip units	In	Valid combinations
NG125N	TM	10-125A	A/B
NG125L	TM	10-80A	A/B/C * ( $\leq 40A$ (i)ID)
NG160N/H	TM	16-160A	A/B
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
IDPNN Vigi	1P+N/3P+N	1-16A	A
IDPNN Vigi	1P+N/3P+N	20-40A	A (only for NG125L)
IDPNN Vigi	1P+N	1-16A	A
IDPNN Vigi	1P+N	20-40A	A (only for NG125L)
DCP N	3P + N	1-16A	A (only for NG125L)
(i)C60N/H/L Vigi	1P+N/3P+N	0,5-63A	A
RCCB's	Number of poles	In	Valid combinations
(i) ID (RCCB)	2/4	25-100A	B/C*
MCB's	Number of poles	In	Valid combinations
(i)C60N/H	1P+N-4P	0,5-40A	B
(i)C60L	1P+N-4P	0,5-40A	B/(C please contact Schneider Electric)*

The following components can be used:



Connections between level 2 (residual current protection devices) and level 3 (miniature circuit breakers) must be installed so that the short circuit and earth fault can be ruled out.

\* For combination C miniature circuit breaker can be placed in either level 1 or 3.

Is it 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.

# Back-up table

## Combination A:

	MCCB's ①	NG125N	NG125L	NG160E	NG160N/H	NS(X) 100B/F/N	NS(X) 160B/F/N	NS(X) 250B/F/N
RCBO ②	In							
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
DCP N	1-16A	16	20	16	16	16	16	16
DCP N	20-32A	10	10	10	10	10	10	10
(i)C60N Vigi	0,5-63A	25	25	16	20/25	20/25/30	20/25/30	20/25/25
(i)C60H Vigi	0,5-63A	25	36	16	25	25/36/40	25/30/30	25/25/25
(i)C60L Vigi	0,5-25A	30	50	16	25	-/36/40	-/36/40	25/30/30
(i)C60L Vigi	32-40A	25	50	16	25	25/30/30	25/36/40	25/30/30
(i)C60L Vigi	50-63A	25	36	16	25	25/36/40	25/36/40	25/25/25

## Combination B & C:

Upstream MCCB ①	Downstream MCB ③	In	Back-up
NG125N/L	iIDPNN/IDPNN	1-16A	16
NG125N/L	iIDPNN/IDPNN	20-40A	10
NG160E/N/H	iIDPNN/IDPNN	1-16A	16
NG160E/N/H	iIDPNN/IDPNN	20-40A	10
NS(X)100/160/250	iIDPNN/IDPNN	1-16A	16
NS(X)100/160/250	iIDPNN/IDPNN	20-40A	10
NG125N/L	(i)C60N/H/L	0,5-40A	25
NG125N/L	(i)C60N/H/L	50-63A	16
NG160E	(i)C60N/H/L	0,5-63A	16
NG160N/H	(i)C60N/H/L	0,5-40A	25
NG160N/H	(i)C60N/H/L	50-63A	16
NS(X)100/160	(i)C60N/H/L	0,5-40A	25
NS(X)100/160	(i)C60N/H/L	50-63A	16
NS(X)250	(i)C60N/H/L	0,5-40A	20
NS(X)250	(i)C60N/H/L	50-63A	16
-	(i)C60N	0,5-63A	10
-	(i)C60H	0,5-63A	15
-	(i)C60L	0,5-63A	Please contact Schneider Electric
NG125N (10-63A)	-	-	16(25-40A (i)ID) – 10(63A (i)ID)
NG125L	-	-	25(25A I(i)ID) – 20(40A (i)ID) – 10(63-80A (i)ID)
NG160E/N/H	-	-	7
NS(X)100/160	-	-	5

Valid for RCCB's with In between 25 and 100 A, if not specified otherwise.

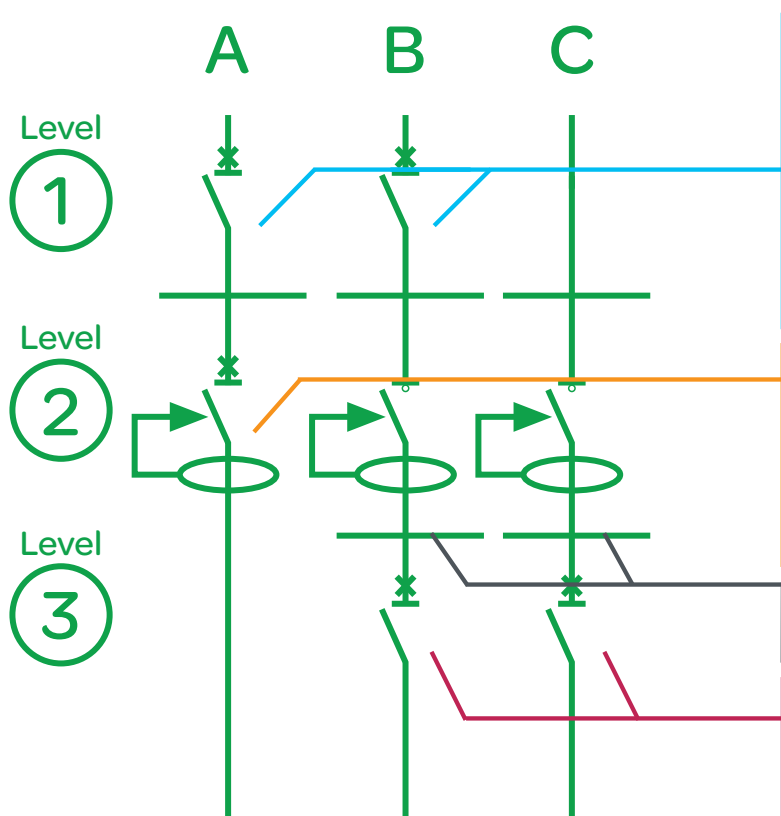
Please note that the RCCB's have to be protected against overload situation.

# Selection guide for equipment with residual current protection - 25 kA

## Un: 230-240V/380-415V TT and TN earthing systemer

Trip units	Trip units	In	Valid combinations
NG125N	TM	10-125A	A/B
NG125L	TM	10-80A	A/B/C*( $\leq 25A$ (i)ID)
NG160N/H	TM	16-160A	A/B
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
IDPNN Vigi	1P+N/3P+N	1-40A	A (only for NG125L)
IDPNN Vigi	1P+N	1-40A	A (only for NG125L)
(i)C60N Vigi	1P+N/3P+N	0,5-63A	A**
(i)C60H/L Vigi	1P+N/3P+N	0,5-63A	A
RCCB's	Number of poles	In	Valid combinations
(i) ID (RCCB)	2/4	25-100A	B/C*
MCB's	Number of poles	In	Valid combinations
(i)C60N/H	1P+N-4P	0,5-40A	B
(i)C60L	1P+N-4P	0,5-40A	B/(C please contact Schneider Electric)*

The following components can be used:



Connections between level 2 (residual current protection devices) and level 3 (miniature circuit breakers) must be installed so that the short circuit and earth fault can be ruled out.

\* For combination C miniature circuit breaker can be placed in either level 1 or 3.

Is it 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.

\*\* Not for NSX100/160/250B and NG160N.

# Back-up table

## Combination A:

	MCCB's ①	NG125N	NG125L	NG160E	NG160N/H	NS(X) 100B/F/N	NS(X) 160B/F/N	NS(X) 250B/F/N
RCBO ②	In							
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN Vigi	20-40A	16	25	16	16	16	16	16
IDPNN Vigi	1-16A	20	25	16	20	20	20	20
IDPNN	20-40A	16	25	16	16	16	16	16
DCP N	1-16A	16	20	16	16	16	16	16
DCP N	20-32A	10	10	10	10	10	10	10
(i)C60N Vigi	0,5-63A	25	25	16	20/25	20/25/30	20/25/30	20/25/25
(i)C60H Vigi	0,5-63A	25	36	16	25	25/36/40	25/30/30	25/25/25
(i)C60L Vigi	0,5-25A	30	50	16	25	25/30/30	-/36/40	25/30/30
(i)C60L Vigi	32-40A	25	50	16	25	25/30/30	25/36/40	25/30/30
(i)C60L Vigi	50-63A	25	36	16	25	25/36/40	25/30/30	25/25/25

## Combination B & C:

Upstream MCCB ①	Downstream MCB ③	In	Back-up
NG125N/L	IDPNN/IDPNN	1-16A	16
NG125N/L	IDPNN/IDPNN	20-40A	10
NG160E/N/H	IDPNN/IDPNN	1-16A	16
NG160E/N/H	IDPNN/IDPNN	20-40A	10
NS(X)100/160/250	IDPNN/IDPNN	1-16A	16
NS(X)100/160/250	IDPNN/IDPNN	20-40A	10
NG125N/L	(i)C60N/H/L	0,5-40A	25
NG125N/L	(i)C60N/H/L	50-63A	16
NG160E	(i)C60N/H/L	0,5-63A	16
NG160N/H	(i)C60N/H/L	0,5-40A	25
NG160N/H	(i)C60N/H/L	50-63A	16
NS(X)100/160	(i)C60N/H/L	0,5-40A	25
NS(X)100/160	(i)C60N/H/L	50-63A	16
NS(X)250	(i)C60N/H/L	0,5-40A	20
NS(X)250	(i)C60N/H/L	50-63A	16
-	(i)C60N	0,5-63A	10
-	(i)C60H	0,5-63A	15
-	(i)C60L	0,5-63A	Please contact Schneider Electric
NG125N (10-63A)	-	-	16(25-40A (i)ID) – 10(63A (i)ID)
NG125L	-	-	25(25A (i)ID) – 20(40A (i)ID) – 10(63-80A (i)ID)
NG160E/N/H	-	-	7
NS(X)100/160	-	-	5

Valid for RCCB's with In between 25 and 100 A, if not specified otherwise.

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

# Cross reference tabel





# Cross reference table

## From Multi 9 to Acti 9

Cross reference table						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
15006	3319150062	3303430150060	→ A9S60220	Switch iSW 2P 20A 415V	3318700662	3606480088681
15007	3319150075	3303430150077	→ A9S60320	Switch iSW 3P 20A 415V	3318700727	3606480088698
15008	3319150088	3303430150084	→ A9S60420	Switch iSW 4P 20A 415V	3318700785	3606480088704
15009	3319150091	3303430150091	→ A9S60132	Switch iSW 1P 32A 250V	3318700617	3606480088711
15010	3319150101	3303430150107	→ A9S60232	Switch iSW 2P 32A 415V	3318700675	3606480088728
15011	3319150114	3303430150114	→ A9S60332	Switch iSW 3P 32A 415V	3318700730	3606480088735
15012	3319150127	3303430150121	→ A9S60432	Switch iSW 4P 32A 415V	3318700798	3606480088742
15013	3319150130	3303430150138	→ A9S60163	Switch iSW 1P 63A 250V	3318700633	3606480088797
15014	3319150143	3303430150145	→ A9S60263	Switch iSW 2P 63A 415V	3318700691	3606480088803
15015	3319150156	3303430150152	→ A9S60363	Switch iSW 3P 63A 415V	3318700756	3606480088810
15016	3319150169	3303430150169	→ A9S60463	Switch iSW 4P 63A 415V	3318700811	3606480088827
15058	3322150583	3303430150589	→ A9S60292	Switch iSW 2P 125A 415V	3318700714	3606480088889
15059	3319150596	3303430150596	→ A9S60392	Switch iSW 3P 125A 415V	3318700772	3606480088896
15063	3319150635	3303430150633	→ A9S61120	Switch iSW 1P 20A LED 250V	3318700840	3606480088919
15090	3319150907	3303430150909	→ A9S60191	Switch iSW 1P 100A 250V	3318700646	3606480088834
15091	3319150910	3303430150916	→ A9S60291	Switch iSW 2P 100A 415V	3318700701	3606480088841
15092	3319150923	3303430150923	→ A9S60391	Switch iSW 3P 100A 415V	3318700769	3606480088858
15093	3319150936	3303430150930	→ A9S60491	Switch iSW 4P 100A 415V	3318700824	3606480088865
15096	3319150965	3303430150961	→ A9A15096	Auxiliaries iSW changeover 250/415VAC	3317000101	3606480089534
15151	3322151511	3303430151517	→ A9A15151	DIN-rail accessories with Ø22 hole	3317000114	3606480377020
15152	3322151524	3303430151524	→ A9A15152	DIN-rail accessories without hole	3317000127	3606480377037
15155	3322151553	3303430151555	→ A9C30814	Impuls relay iTL 16A 4NO 230VAC/110VDC	3322078830	3606480091902
15158	3322151582	3303430151586	→ A9C30114	Impuls relay iTL 16A 4NO 24VAC/12VDC	3322078733	3606480091919
15180	3322151809	3303430151807	→ A9C20532	Contactactor iCT 25A 2NO 220VAC	3322077912	3606480375002
15382	3322153823	3303430153825	→ A9C22715	Contactactor iCT 16A 1NO+1NC 230VAC	3322078555	3606480088851
15393	3322153933	3303430153931	→ A9A15393	Interfacerelay iRBN 230/5mA 5V	3322077161	3606480097737
15404	3322154042	3303430154044	→ A9C15404	Auxiliaries iATLc 24-240VAC	3322077543	3606480374883
15405	3322154055	3303430154051	→ A9C15405	Auxiliaries iATLs 24-240VAC	3322077556	3606480374845
15409	3322154097	3303430154099	→ A9C15409	Auxiliaries iATLc+s 24-240VAC	3322077569	3606480374906
15410	3322154107	3303430154105	→ A9C15410	Auxiliaries iATLs+s 24-240VAC	3322077572	3606480374920
15412	3322154123	3303430154129	→ A9C15412	Auxiliaries iATL4 230VAC	3322077585	3606480374944
15413	3322154136	3303430154136	→ A9C15413	Auxiliaries iATLs med lys 130-240VAC	3322077598	3606480374869
15414	3322154149	3303430154143	→ A9C15414	Auxiliaries iATLs 12-240VAC 6-110VDC	3322077608	3606480374968
15416	3322154165	3303430154167	→ A9A15416	Interfacerelay iRTBT 12-24/5mA 5V	3322077174	3606480097720
15419	3322154194	3303430154198	→ A9C15419	Timemodul iATET 1s-10h 24-240VAC	3322077624	3606480097911
15488	3322154880	3303430154884	→ A9C30811	Impuls relay iTL 16A 1NO 230VAC/110VDC	3322078814	3606480088957
15489	3322154893	3303430154891	→ A9C30812	Impuls relay iTL 16A 2NO 230VAC/110VDC	3322078827	3606480088995
15500	3322155009	3303430155003	→ A9C30815	Impuls relay iTLI 16A 1NO+1NC 230/240VAC	3322078843	3606480091971
15502	3322155025	3303430155027	→ A9C30215	Impuls relay iTLI 16A 1NO+1NC 48VAC/24VDC	3322078775	3606480091995
15503	3322155038	3303430155034	→ A9C30115	Impuls relay iTLI 16A 1NO+1NC 24VAC/12VDC	3322078746	3606480092008
15505	3322155054	3303430155058	→ A9C32836	Impuls relay iETL 32A 1NO 230/240VAC	3322078940	3606480092039
15510	3322155106	3303430155102	→ A9C30811	Impuls relay iTL 16A 1NO 230VAC/110VDC	3322078814	3606480088957
15511	3322155119	3303430155119	→ A9C30311	Impuls relay iTL 16A 1NO 130VAC/48VDC	3322078788	3606480091841

# Cross reference table

## From Multi 9 to Acti 9

Cross reference table						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
15969	3322159694	3303430159698	→ A9C20847	Contacteur iCT 40A 4NC 230VAC	3322078102	3606480375125
15971	3322159717	3303430159711	→ A9C20862	Contacteur iCT 63A 2NO 230VAC	3322078115	3606480375132
15972	3322159720	3303430159728	→ A9C20863	Contacteur iCT 63A 3NO 230VAC	3322078128	3606480375149
15973	3322159733	3303430159735	→ A9C20864	Contacteur iCT 63A 4NO 230VAC	3322078131	3606480375156
15974	3322159746	3303430159742	→ A9C20867	Contacteur iCT 63A 4NC 230VAC	3322078144	3606480375163
15975	3322159759	3303430159759	→ A9C20868	Contacteur iCT 63A 2NO+2NC 230VAC	3322078157	3606480375170
15977	3322159775	3303430159773	→ A9C20882	Contacteur iCT 100A 2NO 230VAC	3322078173	3606480375194
15978	3322159788	3303430159780	→ A9C20884	Contacteur iCT 100A 4NO 230VAC	3322078186	3606480375200
15981	3322159814	3303430159810	→ A9C21732	Contacteur iCT 25A 2NO 230VAC on/off	3322078319	3606480088636
15982	3322159827	3303430159827	→ A9C21833	Contacteur iCT 25A 3NO 230VAC on/off	3322078322	3606480375330
15983	3322159830	3303430159834	→ A9C21834	Contacteur iCT 25A 4NO 230VAC on/off	3322078335	3606480375347
15984	3322159843	3303430159841	→ A9C21842	Contacteur iCT 40A 2NO 230VAC on/off	3322078348	3606480096853
15986	3322159869	3303430159865	→ A9C21844	Contacteur iCT 40A 4NO 230VAC on/off	3322078364	3606480096877
15987	3322159872	3303430159872	→ A9C21862	Contacteur iCT 63A 2NC 230VAC on/off	3322078377	3606480096884
15988	3322159885	3303430159889	→ A9C21864	Contacteur iCT 63A 4NO 230VAC on/off	3322078380	3606480096891
16020	3322160201	3303430160205	→ A9C20132	Contacteur iCT 25A 2NO 24VAC	3322077763	3606480096273
16022	3322160227	3303430160229	→ A9C20134	Contacteur iCT 25A 4NO 24VAC	3322077776	3606480374784
16023	3322160230	3303430160236	→ A9C20137	Contacteur iCT 25A 4NC 24VAC	3322077789	3606480374791
16024	3322160243	3303430160243	→ A9C20162	Contacteur iCT 63A 2NO 24VAC	3322077792	3606480374807
16025	3322160256	3303430160250	→ A9C20164	Contacteur iCT 63A 4NO 24VAC	3322077802	3606480374814
16026	3322160269	3303430160267	→ A9C20167	Contacteur iCT 63A 4NC 24VAC	3322077815	3606480374821
16126	3322161268	3303430161264	→ A9C22115	Contacteur iCT 16A 1NO+1NC 24VAC	3322078458	3606480096969
16145	3322161459	3303430161455	→ A9C20632	Contacteur iCT 25A 2NO 240VAC/60Hz	3322077941	3606480375033
16146	3322161462	3303430161462	→ A9C20633	Contacteur iCT 25A 3NO 240VAC/60Hz	3322077954	3606480375040
18030	3318180305	3303430180302	→ A9E18030	Pushbotton iPB 20A 1NC Grey 250VAC	3317000321	3606480088223
18031	3318180318	3303430180319	→ A9E18031	Pushbotton iPB 20A 1NC Red 250VAC	3317000334	3606480088230
18032	3318180321	3303430180326	→ A9E18032	Pushbotton iPB 20A 1NO Grey 250VAC	3317000347	3606480088247
18033	3318180334	3303430180333	→ A9E18033	Pushbotton iPB 20A 1NO+1NC Grey 250VAC	3317000350	3606480088254
18034	3318180347	3303430180340	→ A9E18034	Pushbotton iPB 20A 2P 1NO+1NC Grey 250VAC	3317000363	3606480088261
18035	3318180350	3303430180357	→ A9E18035	Pushbotton iPB 20A 2P 2NO Grey 250VAC	3317000376	3606480088278
18036	3318180363	3303430180364	→ A9E18036	Pushbotton iPB 20A 1NC LED 250VAC	3317000389	3606480088285
18037	3318180376	3303430180371	→ A9E18037	Pushbotton iPB 20A 1NO LED 250VAC	3317000392	3606480088292
18038	3318180389	3303430180388	→ A9E18038	Pushbotton iPB 20A 1NC LED 12/48VACDC	3317000402	3606480088308
18039	3318180392	3303430180395	→ A9E18039	Pushbotton iPB 20A 1NO LED 12/48VACDC	3317000415	3606480088315
18308	3322183084	3303430183082	→ A9C18308	Auxiliaires iACTc 230VAC	3322077747	3606480097928
18309	3322183097	3303430183099	→ A9C18309	Auxiliaires iACTc 24-48VAC	3322077750	3606480097935
18310	3322183107	3303430183105	→ A9C70112	Auxiliaires RCA iC60 1P/2P 230VAC	3322078995	3606480097942
18311	3322183110	3303430183112	→ A9C70114	Auxiliaires RCA iC60 3P/4P 230VAC	3322079004	3606480097959
18320	3318183205	3303430183204	→ A9E18320	Indicador light iIL Red LED 110-230VAC	3317000473	3606480088322
18321	3318183218	3303430183211	→ A9E18321	Indicador light iIL Green LED 110-230VAC	3317000486	3606480088339
18322	3318183221	3303430183228	→ A9E18322	Indicador light iIL White LED 110-230VAC	3317000499	3606480088346
18323	3318183234	3303430183235	→ A9E18323	Indicador light iIL Blue LED 110-230VAC	3317000509	3606480088353

# Cross reference tabel

## From Multi 9 to Acti 9

Cross reference tabel						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
18324	3318183247	3303430183242	→ A9E18324	Indicator light iLL Yellow LED 110-230VAC	3317000512	3606480088360
18325	3318183250	3303430183259	→ A9E18325	Indicator light iLL Red+Green LED 110-230VAC	3317000525	3606480088377
18326	3318183263	3303430183266	→ A9E18326	Indicator light iLL Red blink LED 110-230VAC	3317000538	3606480088384
18330	3318183302	3303430183303	→ A9E18330	Indicator light iLL Red LED 12-48VACDC	3317000567	3606480088414
18331	3318183315	3303430183310	→ A9E18331	Indicator light iLL Green LED12-48VACDC	3317000570	3606480088421
18332	3318183328	3303430183327	→ A9E18332	Indicator light iLL White LED 12-48VACDC	3317000583	3606480088438
18333	3318183331	3303430183334	→ A9E18333	Indicator light iLL Blue LED 12-48VACDC	3317000596	3606480088445
18334	3318183344	3303430183341	→ A9E18334	Indicator light iLL Yellow LED 12-48VACDC	3317000606	3606480088452
18335	3322183359	3303430183358	→ A9E18335	Indicator light iLL Red+Green LED 12-48VACDC	3317000619	3606480088469
19632	3322196327	3303430196327	→ A9D33610	RCBo iDPNN 10A C 30mA class Asi	3322072085	3606480472138
19633	3322196330	3303430196334	→ A9D33613	RCBo iDPNN 13A C 30mA class Asi	3322072098	3606480472145
19634	3322196343	3303430196341	→ A9D33616	RCBo iDPNN 16A C 30mA class Asi	3322072108	3606480472152
19638	3322196385	3303430196389	→ A9D33640	RCBo iDPNN 40A C 30mA class Asi	3322072140	3606480472190
19642	3322196424	3303430196426	→ A9D43610	RCBo iDPNN 10A C 300mA class Asi	3322072360	3606480472367
19643	3322196437	3303430196433	→ A9D43613	RCBo iDPNN 13A C 300mA class Asi	3322072373	3606480472374
19644	3322196440	3303430196440	→ A9D43616	RCBo iDPNN 16A C 300mA class Asi	3322072386	3606480472381
19647	3322196479	3303430196471	→ A9D43632	RCBo iDPNN 32A C 300mA class Asi	3322072412	3606480472411
19771	3322197711	3303430197713	→ A9D32606	RCBo iDPNN 6A C 30mA class A	3322071992	3606480472046
19772	3322197724	3303430197720	→ A9D32610	RCBo iDPNN 10A C 30mA class A	3322072001	3606480472053
19773	3322197737	3303430197737	→ A9D32613	RCBo iDPNN 13A C 30mA class A	3322072014	3606480472060
19774	3322197740	3303430197744	→ A9D32616	RCBo iDPNN 16A C 30mA class A	3322072027	3606480472077
19775	3322197753	3303430197751	→ A9D32620	RCBo iDPNN 20A C 30mA class A	3322072030	3606480472084
19776	3322197766	3303430197768	→ A9D32625	RCBo iDPNN 25A C 30mA class A	3322072043	3606480472091
19777	3322197779	3303430197775	→ A9D32632	RCBo iDPNN 32A C 30mA class A	3322072056	3606480472107
19778	3322197782	3303430197782	→ A9D32640	RCBo iDPNN 40A C 30mA class A	3322072069	3606480472114
19781	3322197818	3303430197812	→ A9D42606	RCBo iDPNN 6A C 300mA class A	3322072276	3606480472275
19782	3322197821	3303430197829	→ A9D42610	RCBo iDPNN 10A C 300mA class A	3322072289	3606480472282
19783	3322197834	3303430197836	→ A9D42613	RCBo iDPNN 13A C 300mA class A	3322072292	3606480472299
19784	3322197847	3303430197843	→ A9D42616	RCBo iDPNN 16A C 300mA class A	3322072302	3606480472305
19785	3322197850	3303430197850	→ A9D42620	RCBo iDPNN 20A C 300mA class A	3322072315	3606480472312
19786	3322197863	3303430197867	→ A9D42625	RCBo iDPNN 25A C 300mA class A	3322072328	3606480472329
19787	3322197876	3303430197874	→ A9D42632	RCBo iDPNN 32A C 300mA class A	3322072331	3606480472336
19788	3322197889	3303430197881	→ A9D42640	RCBo iDPNN 40A C 300mA class A	3322072344	3606480472343
21552	3322215525	3303430215523	→ A9N21552	Circuit breaker iDPNN 1PN 1A C	3322068345	3606480382352
21553	3322215538	3303430215530	→ A9N21553	Circuit breaker iDPNN 1PN 2A C	3322068358	3606480382369
21554	3322215541	3303430215547	→ A9N21554	Circuit breaker iDPNN 1PN 3A C	3322068361	3606480382376
21555	3322215554	3303430215554	→ A9N21555	Circuit breaker iDPNN 1PN 6A C	3322068374	3606480382383
21556	3322215567	3303430215561	→ A9N21556	Circuit breaker iDPNN 1PN 10A C	3322068387	3606480382390
21557	3322215570	3303430215578	→ A9N21557	Circuit breaker iDPNN 1PN 16A C	3322068390	3606480382406
21558	3322215583	3303430215585	→ A9N21558	Circuit breaker iDPNN 1PN 20A C	3322068400	3606480382413
21559	3322215596	3303430215592	→ A9N21559	Circuit breaker iDPNN 1PN 25A C	3322068413	3606480382420
21560	3322215606	3303430215608	→ A9N21560	Circuit breaker iDPNN 1PN 32A C	3322068426	3606480382437
21561	3322215619	3303430215615	→ A9N21561	Circuit breaker iDPNN 1PN 40A C	3322068439	3606480382444

# Cross reference tabel

## From Multi 9 to Acti 9

Cross reference tabel						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
21595	3322215952	3303430215950	→ A9N21595	Circuit breaker iDPNN 3PN 6A C	3322068659	3606480382666
21596	3322215965	3303430215967	→ A9N21596	Circuit breaker iDPNN 3PN 10A C	3322068662	3606480382673
21597	3322215978	3303430215974	→ A9N21597	Circuit breaker iDPNN 3PN 16A C	3322068675	3606480382680
21598	3322215981	3303430215981	→ A9N21598	Circuit breaker iDPNN 3PN 20A C	3322068688	3606480382697
21599	3322215994	3303430215998	→ A9N21599	Circuit breaker iDPNN 3PN 25A C	3322068691	3606480382703
21600	3322216003	3303430216001	→ A9N21600	Circuit breaker iDPNN 3PN 32A C	3322068701	3606480382710
21601	3322216016	3303430216018	→ A9N21601	Circuit breaker iDPNN 3PN 40A C	3322068714	3606480382727
21725	3322217251	3303430217251	→ A9N21725	Circuit breaker iDPNN 1PN 13A C	3322069030	3606480382826
21727	3322217277	3303430217275	→ A9N21727	Circuit breaker iDPNN 3P 13A C	3322069056	3606480382840
21729	3322217293	3303430217299	→ A9N21729	Circuit breaker iDPNN 3PN 13A C	3322069072	3606480382864
23145	3322231457	3303430231455	→ A9Z25440	RCD 40A 4P 300mA-s class A	3322073000	3606480443244
23147	3322231473	3303430231479	→ A9Z25463	RCD 63A 4P 300mA-s class A	3322073013	3606480443299
23149	3322231499	3303430231493	→ A9Z35463	RCD 63A 4P 300mA-s class Asi	3322073330	3606480442780
23150	3322231509	3303430231509	→ A9Z31440	RCD 40A 4P 30mA class Asi	3322073165	3606480442735
23151	3322231512	3303430231516	→ A9Z31463	RCD 63A 4P 30mA class Asi	3322073178	3606480442766
23198	3322231981	3303430231981	→ A9Z22440	RCD 40A 4P 100mA class A	3322069849	3606480443213
23294	3322169118	3303430232940	→ A9Z25491	RCD 100A 4P 300mA-s class A	3322073039	3606480443398
23300	3322233002	3303430233008	→ A9Z31225	RCD 25A 2P 30mA class Asi	3322073107	3606480442599
23304	3322233044	3303430233046	→ A9Z22440	RCD 40A 4P 100mA class A	3322069849	3606480443213
23307	3322233073	3303430233077	→ A9Z31240	RCD 40A 2P 30mA class Asi	3322073110	3606480442605
23314	3322233141	3303430233145	→ A9Z35240	RCD 40A 2P 300mA class Asi	3322073288	3606480442629
23352	3322233523	3303430233527	→ A9Z31263	RCD 63A 2P 30mA class Asi	3322073123	3606480442636
23353	3322233536	3303430233534	→ A9Z20225	RCD 25A 2P 10mA class A	3322069690	3606480443008
23354	3322233549	3303430233541	→ A9Z21225	RCD 25A 2P 30mA class A	3322069700	3606480442988
23355	3322233552	3303430233558	→ A9Z35263	RCD 63A 2P 300mA-s class Asi	3322073291	3606480442650
23356	3322233565	3303430233565	→ A9Z24225	RCD 25A 2P 300mA class A	3322069881	3606480442995
23358	3322233581	3303430233589	→ A9Z21240	RCD 40A 2P 30mA class A	3322069713	3606480443015
23360	3322233604	3303430233602	→ A9Z24240	RCD 40A 2P 300mA class A	3322069894	3606480443039
23362	3322233646	3303430233626	→ A9Z21263	RCD 63A 2P 30mA class A	3322069726	3606480443053
23363	3322233633	3303430233633	→ A9Z35263	RCD 63A 2P 300mA-s class Asi	3322073291	3606480442650
23364	3322233641	3303430233640	→ A9Z24263	RCD 63A 2P 300mA class A	3322069904	3606480443077
23377	3322233772	3303430233770	→ A9Z31425	RCD 25A 4P 30mA class Asi	3322073152	3606480442728
23378	3322233785	3303430233787	→ A9Z21425	RCD 25A 4P 30mA class A	3322069755	3606480443176
23379	3322233798	3303430233794	→ A9Z31440	RCD 40A 4P 30mA class Asi	3322073165	3606480442735
23380	3322233808	3303430233800	→ A9Z24425	RCD 25A 4P 300mA class A	3322069933	3606480443183
23382	3322233824	3303430233824	→ A9Z21440	RCD 40A 4P 30mA class A	3322069768	3606480443206
23383	3322233837	3303430233831	→ A9Z31463	RCD 63A 4P 30mA class Asi	3322073178	3606480442766
23384	3322233840	3303430233848	→ A9Z24440	RCD 40A 4P 300mA class A	3322069946	3606480443220
23385	3322233853	3303430233855	→ A9Z26440	RCD 40A 4P 500mA class A	3322073055	3606480443237
23386	3322233866	3303430233862	→ A9Z21463	RCD 63A 4P 30mA class A	3322069771	3606480443251
23388	3322233882	3303430233886	→ A9Z24463	RCD 63A 4P 300mA class A	3322069959	3606480443275
23389	3322233895	3303430233893	→ A9Z26463	RCD 63A 4P 500mA class A	3322073068	3606480443282
23392	3322233921	3303430233923	→ A9Z35463	RCD 63A 4P 300mA-s class Asi	3322073330	3606480442780
23394	3322233947	3303430233947	→ A9Z35480	RCD 80A 4P 300mA-s class Asi	3322073343	3606480442810

# Cross reference tabel

## From Multi 9 to Acti 9

Cross reference tabel						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
23398	3322233989	3303430233985	→ A9Z35440	RCD 40A 4P 300mA-s class Asi	3322073327	3606480442759
23399	3322233992	3303430233992	→ A9Z25440	RCD 40A 4P 300mA-s class A	3322073000	3606480443244
23401	3322234014	3303430234012	→ A9Z35463	RCD 63A 4P 300mA-s class Asi	3322073330	3606480442780
23402	3322234027	3303430234029	→ A9Z25463	RCD 63A 4P 300mA-s class A	3322073013	3606480443299
23503	3322235039	3303430235033	→ A9Z21240	RCD 40A 2P 30mA class A	3322069713	3606480443015
23513	3322235136	3303430235132	→ A9Z21440	RCD 40A 4P 30mA class A	3322069768	3606480443206
23514	3322235149	3303430235149	→ A9Z21463	RCD 63A 4P 30mA class A	3322069771	3606480443251
23515	3322235152	3303430235156	→ A9Z21440	RCD 40A 4P 30mA class A	3322069768	3606480443206
23517	3322235178	3303430235170	→ A9Z21463	RCD 63A 4P 30mA class A	3322069771	3606480443251
23518	3322235181	3303430235187	→ A9Z24440	RCD 40A 4P 300mA class A	3322069946	3606480443220
23519	3322235194	3303430235194	→ A9Z24463	RCD 63A 4P 300mA class A	3322069959	3606480443275
23523	3322235233	3303430235231	→ A9Z31225	RCD 25A 2P 30mA class Asi	3322073107	3606480442599
23524	3322235246	3303430235248	→ A9Z31240	RCD 40A 2P 30mA class Asi	3322073110	3606480442605
23525	3322235259	3303430235255	→ A9Z31263	RCD 63A 2P 30mA class Asi	3322073123	3606480442636
23526	3322235262	3303430235262	→ A9Z31425	RCD 25A 4P 30mA class Asi	3322073152	3606480442728
23529	3322235291	3303430235293	→ A9Z31440	RCD 40A 4P 30mA class Asi	3322073165	3606480442735
23530	3322235301	3303430235309	→ A9Z31463	RCD 63A 4P 30mA class Asi	3322073178	3606480442766
25968	3322259688	3303430259688	→ A9F04601	Circuit breaker iC60N 1PN 1A C	3322061261	3606480440892
25969	3322259691	3303430259695	→ A9F04602	Circuit breaker iC60N 1PN 2A C	3322061274	3606480440908
25970	3322259701	3303430259701	→ A9F04603	Circuit breaker iC60N 1PN 3A C	3322061287	3606480440915
25971	3322259714	3303430259718	→ A9F04604	Circuit breaker iC60N 1PN 4A C	3322061290	3606480440922
25972	3322259727	3303430259725	→ A9F04606	Circuit breaker iC60N 1PN 6A C	3322061300	3606480440939
25974	3322259743	3303430259749	→ A9F04610	Circuit breaker iC60N 1PN 10A C	3322061313	3606480440946
25975	3322259756	3303430259756	→ A9F04613	Circuit breaker iC60N 1PN 13A C	3322061326	3606480440953
25976	3322259769	3303430259763	→ A9F04616	Circuit breaker iC60N 1PN 16A C	3322061339	3606480440960
25977	3322259772	3303430259770	→ A9F04620	Circuit breaker iC60N 1PN 20A C	3322061342	3606480440977
25978	3322259785	3303430259787	→ A9F04625	Circuit breaker iC60N 1PN 25A C	3322061355	3606480440984
25979	3322259798	3303430259794	→ A9F04632	Circuit breaker iC60N 1PN 32A C	3322061368	3606480440991
25980	3322259808	3303430259800	→ A9F04640	Circuit breaker iC60N 1PN 40A C	3322061371	3606480441004
25981	3322259811	3303430259817	→ A9F04650	Circuit breaker iC60N 1PN 50A C	3322061384	3606480441011
25982	3322259824	3303430259824	→ A9F04663	Circuit breaker iC60N 1PN 63A C	3322061397	3606480441028
25998	3322259989	3303430259985	→ A9F04770	Circuit breaker iC60N 3PN 0,5A C	3322061559	3606480441189
25999	3322259992	3303430259992	→ A9F04701	Circuit breaker iC60N 3PN 1A C	3322061410	3606480441042
26000	3322260004	3303430260004	→ A9F04702	Circuit breaker iC60N 3PN 2A C	3322061423	3606480441059
26003	3322260033	3303430260035	→ A9F04703	Circuit breaker iC60N 3PN 3A C	3322061436	3606480441066
26004	3322260046	3303430260042	→ A9F04704	Circuit breaker iC60N 3PN 4A C	3322061449	3606480441073
26006	3322260062	3303430260066	→ A9F04710	Circuit breaker iC60N 3PN 10A C	3322061465	3606480441097
26008	3322260088	3303430260080	→ A9F04713	Circuit breaker iC60N 3PN 13A C	3322061478	3606480441103
26009	3322260091	3303430260097	→ A9F04716	Circuit breaker iC60N 3PN 16A C	3322061481	3606480441110
26010	3322260101	3303430260103	→ A9F04720	Circuit breaker iC60N 3PN 20A C	3322061494	3606480441127
26011	3322260114	3303430260110	→ A9F04725	Circuit breaker iC60N 3PN 25A C	3322061504	3606480441134
26013	3322260130	3303430260134	→ A9F04732	Circuit breaker iC60N 3PN 32A C	3322061517	3606480441141
26014	3322260143	3303430260141	→ A9F04740	Circuit breaker iC60N 3PN 40A C	3322061520	3606480441158
26015	3322260156	3303430260158	→ A9F04750	Circuit breaker iC60N 3PN 50A C	3322061533	3606480441165

# Cross reference table

## From Multi 9 to Acti 9

Cross reference table						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
26016	3322260169	3303430260165	→ A9F04763	Circuit breaker iC60N 3PN 63A C	3322061546	3606480441172
26478		3303430264781	→ A9A26478	Shunttrip iMX 12-24VAC 12-24VDC	3322077239	3606480087936
26616	3322266163	3303430266167	→ A9W25263	RCD Vigi iC60 2P 63A 300mA-s class A	3322069496	3606480443459
26679	3322266794	3303430266792	→ A9W21225	RCD Vigi iC60 2P 25A 30mA class A	3322069331	3606480443404
26680	3322266804	3303430266808	→ A9W21225	RCD Vigi iC60 2P 25A 30mA class A	3322069331	3606480443404
26681	3322266817	3303430266815	→ A9W24225	RCD Vigi iC60 2P 25A 300mA class A	3322069438	3606480443411
26686	3322266862	3303430266860	→ A9W21225	RCD Vigi iC60 2P 25A 30mA class A	3322069331	3606480443404
26687	3322266875	3303430266877	→ A9W22225	RCD Vigi iC60 2P 25A 100mA class A	3322069399	3606480443619
26688	3322266888	3303430266884	→ A9W24225	RCD Vigi iC60 2P 25A 300mA class A	3322069438	3606480443411
26693	3322266930	3303430266938	→ A9W24263	RCD Vigi iC60 2P 63A 300mA class A	3322069441	3606480443435
26694	3322266943	3303430266945	→ A9W21325	RCD Vigi iC60 3P 25A 30mA class A	3322069357	3606480443473
26695	3322266956	3303430266952	→ A9W24225	RCD Vigi iC60 2P 25A 300mA class A	3322069438	3606480443411
26700	3322267007	3303430267003	→ A9W21425	RCD Vigi iC60 4P 25A 30mA class A	3322069373	3606480443541
26701	3322267010	3303430267010	→ A9W22425	RCD Vigi iC60 4P 25A 100mA class A	3322069412	3606480443633
26708	3322267081	3303430267089	→ A9W31263	RCD Vigi iC60 2P 63A 30mA class Asi	3322069603	3606480443688
26709	3322267094	3303430267096	→ A9W31425	RCD Vigi iC60 4P 25A 30mA class Asi	3322069632	3606480443725
26711	3322267117	3303430267119	→ A9W31463	RCD Vigi iC60 4P 63A 30mA class Asi	3322069645	3606480443749
26714	3322267146	3303430267140	→ A9W35263	RCD Vigi iC60 2P 63A 300mA-s class Asi	3322069658	3606480443671
26716	3322267162	3303430267164	→ A9W35463	RCD Vigi iC60 4P 63A 300mA-s class Asi	3322069674	3606480443732
26718	3322267188	3303430267188	→ A9W21263	RCD Vigi iC60 2P 63A 30mA class A	3322069344	3606480443428
26720	3322267201	3303430267201	→ A9W24263	RCD Vigi iC60 2P 63A 300mA class A	3322069441	3606480443435
26723	3322267230	3303430267232	→ A9W35263	RCD Vigi iC60 2P 63A 300mA-s class Asi	3322069658	3606480443671
26727	3322267272	3303430267270	→ A9W21363	RCD Vigi iC60 3P 63A 30mA class A	3322069360	3606480443497
26729	3322267298	3303430267294	→ A9W31325	RCD Vigi iC60 3P 25A 30mA class Asi	3322069616	3606480443695
26732	3322267324	3303430267324	→ A9W25363	RCD Vigi iC60 3P 63A 300mA-s class A	3322069506	3606480443527
26745	3322267450	3303430267454	→ A9W31225	RCD Vigi iC60 2P 25A 30mA class Asi	3322069593	3606480443664
26746	3322267463	3303430267461	→ A9W31325	RCD Vigi iC60 3P 25A 30mA class Asi	3322069616	3606480443695
26747	3322267476	3303430267478	→ A9W31425	RCD Vigi iC60 4P 25A 30mA class Asi	3322069632	3606480443725
26751	3322267515	3303430267515	→ A9W31363	RCD Vigi iC60 3P 63A 30mA class Asi	3322069629	3606480443718
26756	3322267560	3303430267560	→ A9W26225	RCD Vigi iC60 2P 25A 500mA class A	3322069522	3606480443442
26760	3322267609	3303430267607	→ A9W31325	RCD Vigi iC60 3P 25A 30mA class Asi	3322069616	3606480443695
26761	3322267612	3303430267614	→ A9W24325	RCD Vigi iC60 3P 25A 300mA class A	3322069454	3606480443480
26767	3322267670	3303430267676	→ A9W31425	RCD Vigi iC60 4P 25A 30mA class Asi	3322069632	3606480443725
26776	3322267764	3303430267768	→ A9W31263	RCD Vigi iC60 2P 63A 30mA class Asi	3322069603	3606480443688
26778	3322267780	3303430267782	→ A9W25263	RCD Vigi iC60 2P 63A 300mA-s class A	3322069496	3606480443459
26779	3322267793	3303430267799	→ A9W31363	RCD Vigi iC60 3P 63A 30mA class Asi	3322069629	3606480443718
26799	3322267997	3303430267997	→ A9W21363	RCD Vigi iC60 3P 63A 30mA class A	3322069360	3606480443497
26804	3322268048	3303430268048	→ A9W26363	RCD Vigi iC60 3P 63A 500mA class A	3322069551	3606480443534
26923	3322269238	3303430269236	→ A9N26923	Auxiliaries OFS 1CO for iID	3322073783	3606485232058
26924	3322269241	3303430269243	→ A9A26924	Auxiliaries iOF 230-415VAC 24-130VDC	3322077268	3606480087905
26927	3322269270	3303430269274	→ A9A26927	Auxiliaries iSD 230-415VAC 24-130VDC	3322077271	3606480087899
26929	3322269296	3303430269298	→ A9A26929	Auxiliaries iOF/SD+OF 230-415VAC 24-130VDC	3322077284	3606480087882

# Cross reference table

## From Multi 9 to Acti 9

Cross reference table						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
26946	3322269461	3303430269465	→ A9A26476	Shunttrip iMX 100-415VAC 110-130VDC	3322077213	3606480087950
26947	3322269474	3303430269472	→ A9A26947	Shunttrip iMX/OF 48VAC 48VDC	3322077307	3606480087967
26948	3322269487	3303430269489	→ A9A26948	Shunttrip iMX/OF 12-24VAC 12-24VDC	3322077310	3606480087912
26959	3322269597	3303430269595	→ A9A26959	Shunttrip iMN 115VAC	3322077323	3606480087981
26960	3322269607	3303430269601	→ A9A26960	Shunttrip iMN 230VAC	3322077336	3606480087998
26961	3322269610	3303430269618	→ A9A26961	Shunttrip iMNs 48VAC	3322077349	3606480088001
26963	3322269636	3303430269632	→ A9A26963	Shunttrip iMNs 230VAC	3322077352	3606480088018
26970	3322269704	3303430269700	→ A9A26970	Patch lock for iC60 and iID/10 pcs	3322077378	3606480088131
26975	3322269759	3303430269755	→ A9A26975	Terminal/cable shield 1P/2 pcs	3322077394	3606480088087
26976	3322269762	3303430269762	→ A9A26976	Terminal/cable shield 2P/2 pcs	3322077404	3606480088094
26978	3322269788	3303430269786	→ A9A26976	Terminal/cable shield 2P/2 pcs	3322077404	3606480088094
26981	3322269814	3303430269816	→ A9A26981	Terminal shield 4P/20 pcs	3322077417	3606480088100
26982	3322269827	3303430269823	→ A9A26982	Terminal shield Vigi 4P/20 pcs	3322077420	3606480088117
26996	3322269966	3303430269960	→ A9A27003	Plug-in base for iC60 and iID 1P	3322077446	3606480088148
27001	3322270010	3303430270010	→ A9A27001	Terminal barrier/10 pcs	3322077433	3606480088124
27046	3322270463	3303430270461	→ A9A27005	Handle complete, black	3322077459	3606480324796
27047	3322270476	3303430270478	→ A9A27005	Handle complete, black	3322077459	3606480324796
27048	3322270489	3303430270485	→ A9A27005	Handle complete, black	3322077459	3606480324796
27062	3322270625	3303430270621	→ A9A27062	Spacer 9mm	3322077488	3606480088155
			→ A9Z01225	RCD 25A 2P 30mA class A mono	3322073369	3606480482755
302R5240	1022040115	5703302112352	→ A9Z01240	RCD 40A 2P 30mA class A mono	3322073372	3606480482762
			→ A9Z01425	RCD 25A 4P 30mA class A mono	3322073385	3606480482779
302R5440	1022040131	5703302112369	→ A9Z01440	RCD 40A 4P 30mA class A mono	3322073398	3606480482786
302R5463	1022040144	5703302112376	→ A9Z01463	RCD 63A 4P 30mA class A mono	3322073408	3606480482793
302R5140	1022040102	5703302112338	→ A9Z04440	RCD 40A 4P 300mA class A mono	3322073411	3606480482809
302R5163	1022040128	5703302112345	→ A9Z04463	RCD 63A 4P 30mA class A mono	3322073424	2606480482816
			→ A9K24201	Circuit breaker iK60N 2P 1A C mono	3322073437	3606480086267
			→ A9K24202	Circuit breaker iK60N 2P 2A C mono	3322073440	3606480086281
			→ A9K24203	Circuit breaker iK60N 2P 3A C mono	3322073453	3606480086274
			→ A9K24204	Circuit breaker iK60N 2P 4A C mono	3322073466	3606480086212
202O5206	1022040034	5703302112253	→ A9K24206	Circuit breaker iK60N 2P 6A C mono	3322073479	3606480087158
202O5210	1022040047	5703302112260	→ A9K24210	Circuit breaker iK60N 2P 10A C mono	3322073482	3606480087141
202O5213	1022040063	5703302112277	→ A9K24213	Circuit breaker iK60N 2P 13A C mono	3322073495	3606480086861
			→ A9K24216	Circuit breaker iK60N 2P 16A C mono	3322073505	3606480087110
			→ A9K24220	Circuit breaker iK60N 2P 20A C mono	3322073518	3606480087127
			→ A9K24225	Circuit breaker iK60N 2P 25A C mono	3322073521	3606480087134
			→ A9K24232	Circuit breaker iK60N 2P 32A C mono	3322073534	3606480087073
			→ A9K24240	Circuit breaker iK60N 2P 40A C mono	3322073547	3606480086922
			→ A9K24250	Circuit breaker iK60N 2P 50A C mono	3322073550	3606480086816
			→ A9K24263	Circuit breaker iK60N 2P 63A C mono	3322073563	3606480086878

# Cross reference table

## From Multi 9 to Acti 9

Cross reference table						
Type reference	G-number	EAN13-number	Type reference	Text	G-number	EAN13-number
			→ A9K24406	Circuit breaker iK60N 4P 6A C mono	3322073576	3606480087097
202O5410	1022040050	5703302112291	→ A9K24410	Circuit breaker iK60N 4P 10A C mono	3322073589	3606480087028
202O5413	1022040076	5703302112307	→ A9K24413	Circuit breaker iK60N 4P 13A C mono	3322073592	3606480086809
202O5416	1022040089	5703302112314	→ A9K24416	Circuit breaker iK60N 4P 16A C mono	3322073602	3606480087080
202O5420	1022040092	5703302112321	→ A9K24420	Circuit breaker iK60N 4P 20A C mono	3322073615	3606480087196
			→ A9K24425	Circuit breaker iK60N 4P 25A C mono	3322073628	3606480087219
			→ A9K24432	Circuit breaker iK60N 4P 32A C mono	3322073631	3606480087165
			→ A9K24440	Circuit breaker iK60N 4P 40A C mono	3322073644	3606480086854
			→ A9K24450	Circuit breaker iK60N 4P 50A C mono	3322073657	3606480086885
			→ A9K24463	Circuit breaker iK60N 4P 63A C mono	3322073660	3606480086939
402H1210	1018020903	5703302147156	→ MGN01610	Fuse disconnecter 1P+N 10A D01	1018021025	3606480518089
402H1213	1018020916	5703302147163	→ MGN01613	Fuse disconnecter 1P+N 13A D01	1018021038	3606480518096
402H1216	1018020929	5703302147170	→ MGN01616	Fuse disconnecter 1P+N 16A D01	1018021041	3606480518102
			→ MGN01316	Fuse disconnecter 3P 16A D01	1018021054	3606480518140
402H3410	1018020932	5703302147187	→ MGN01710	Fuse disconnecter 3P+N 10A D01	1018021067	3606480518119
402H3413	1018020945	5703302147194	→ MGN01713	Fuse disconnecter 3P+N 13A D01	1018021070	3606480518126
402H3416	1018020958	5703302147200	→ MGN01716	Fuse disconnecter 3P+N 16A D01	1018021083	3606480518133
			→ MGN02163	Fuse disconnecter 1P 63A D02	1018021096	3606480518157
			→ MGN02663	Fuse disconnecter 1P+N 63A D02	1018021106	3606480518188
			→ MGN02263	Fuse disconnecter 2P 63A D02	1018021119	3606480518164
402H3363	1018020974	5703302148320	→ MGN02363	Fuse disconnecter 3P 63A D02	1018021122	3606480518171
402H3463	1018020961	5703302147217	→ MGN02763	Fuse disconnecter 3P+N 63A D02	1018021135	3606480518195
402H0020	1018021009	5703302148306	→ MGN09120	Gauch for D02 GA 20A/blue	1018021148	3606480518249
402H0025	1018020987	5703302148283	→ MGN09125	Gauch for D02 GA 25A/yellow	1018021151	3606480518256
402H0035	1018020990	5703302148290	→ MGN09135	Gauch for D02 GA 35A/black	1018021164	3606480518263
402H0050	1018021012	5703302148313	→ MGN09150	Gauch for D02 GA 50A/white	1018021177	3606480518270
202K5525	1022040021	5703302085359	→ A9C20844	Contacteur iCT 40A 4NO 230VAC	3322078092	3606480088629
202K5000	1022040018	5703302085366	→ A9C18308	Auxiliaries iACTc 230VAC	3322077747	3606480097928
202L5020	1017034631	5703302085373	→ A9S60120	Switch iSW 1P 20A 250V	3318700604	3606480088674
202L5532	1017034644	5703302085380	→ A9S60432	Switch iSW 4P 32A 415V	3318700798	3606480088742
202L5563	1017034657	5703302085397	→ A9S60463	Switch iSW 4P 63A 415V	3318700811	3606480088827









