



Country approval pictograms

IEC/EN 60898-1

The protection of property and people against direct or indirect contacts, insulation faults and fire hazards is implemented by residual current devices obtained by the combination of a circuit breaker and an earth leakage module.

The circuit breakers are designed for protection against short-circuit and overload currents, for the control and disconnection of final distribution circuits in service sector, agricultural and industrial applications, in TT earthing system or with multiple earthed neutral (TN-S) requiring neutral cutoff without its protective device.



Catalogue numbers

iDPN circuit breakers				
4500				
Type	1P+N		3P+N	
Auxiliaries	Modules CA907008 and CA907010		Modules CA907008 and CA907010	
Vigi	Module CA902013		Module CA902013	
Rating (In)	B curve	C curve	B curve	C curve
1 A	-	A9N21542	-	-
2 A	-	A9N21543	-	-
3 A	-	A9N21544	-	-
6 A	A9N21535	A9N21545	-	-
10 A	A9N21536	A9N21546	A9N17489*	A9N17525*
13 A	A9N21723	A9N21724	A9N21731	A9N21732
16 A	A9N21537	A9N21547	A9N17491*	A9N17527*
20 A	A9N21538	A9N21548	A9N17492*	A9N17528*
25 A	A9N21539	A9N21549	A9N17493*	A9N17529*
32 A	A9N21540	A9N21550	A9N17494	A9N17530*
40 A	A9N21541	A9N21551	A9N17495*	A9N17531*
Width in 9-mm modules	2		6	
Accessories	Module LIN001 and CA907010			

(*) Libro catalogue number, IMQ approval

DB123400



Country approval pictograms

PB1107140-32



Catalogue numbers

iDPN F circuit breakers	
	6000
Type	1P+N
Auxiliaries	Modules CA907008 and CA907010
Vigi	Module CA902013
Rating (In)	C curve
1 A	A9N21638
2 A	A9N21641
3 A	A9N21642
6 A	A9N21643
10 A	A9N21644
16 A	A9N21645
20 A	A9N21646
25 A	A9N21647
32 A	A9N21648
40 A	A9N21649
Width in 9-mm modules	2
Accessories	Module LIN001 and CA907010



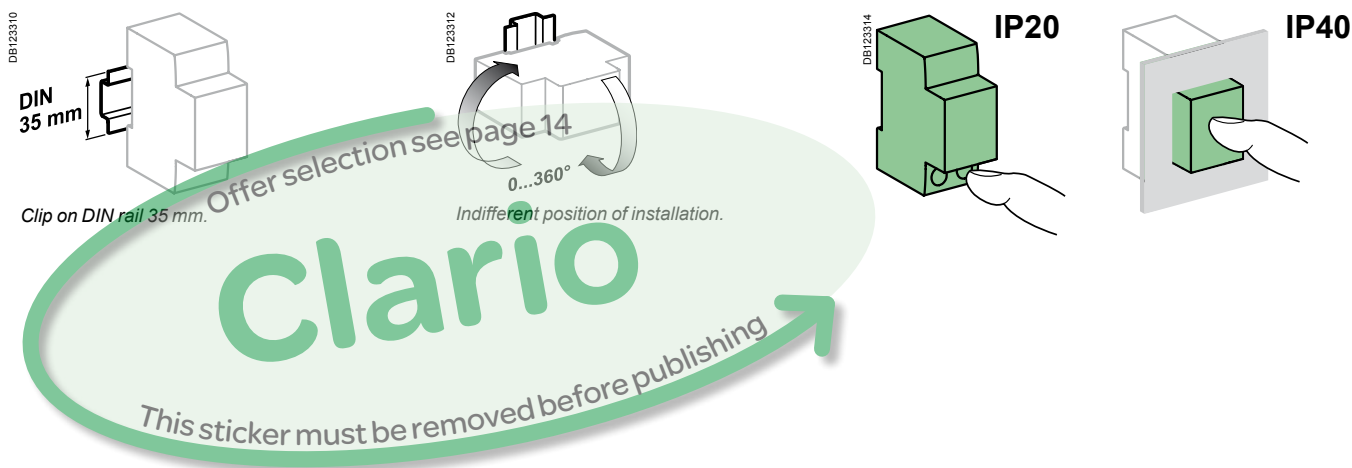
Catalogue numbers

iDPN N circuit breakers								
6000								
Type	1P+N			3P		3P+N		
Auxiliaries	Modules CA907008 and CA907010			Modules CA907008 and CA907010		Modules CA907008 and CA907010		
Vigi	Module CA902013			Module CA902013		Module CA902013		
Rating (In)	B curve	C curve	D curve	C curve	D curve	B curve	C curve	D curve
1 A	-	A9N21552	-	-	-	-	-	-
2 A	-	A9N21553	-	-	-	-	-	-
3 A	-	A9N21554	-	-	-	-	-	-
4 A	A9N17515	A9N21722	-	-	-	-	-	-
6 A	A9N17516	A9N21555	A9N21565	A9N21575	A9N21585	A9N17553*	A9N21595	A9N21605
10 A	A9N17517	A9N21556	A9N21566	A9N21576	A9N21586	A9N17554*	A9N21596	A9N21606
13 A	A9N17518	A9N21725	A9N21726	A9N21727	A9N21728	A9N17581	A9N21729	A9N21730
16 A	A9N17519	A9N21557	A9N21567	A9N21577	A9N21587	A9N17555*	A9N21597	A9N21607
20 A	A9N17520	A9N21558	A9N21568	A9N21578	A9N21588	A9N17556*	A9N21598	A9N21608
25 A	A9N17521	A9N21559	A9N21569	A9N21579	A9N21589	A9N17557*	A9N21599	A9N21609
32 A	A9N17522	A9N21560	A9N21570	A9N21580	A9N21590	A9N17558*	A9N21600	A9N21610
40 A	A9N17523	A9N21561	A9N21571	A9N21581	A9N21591	A9N17559*	A9N21601	A9N21611
Width in 9-mm modules	2			6		6		
Accessories	Module LIN001 and CA907010							

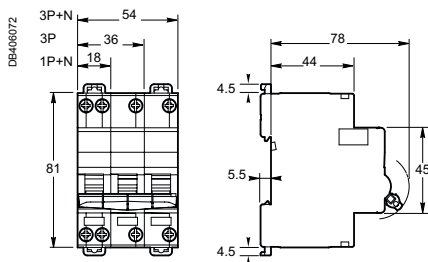
(*) Libro catalogue number, IMQ approval

Technical data

Main characteristics		iDPN	iDPN F	iDPN N
Insulation voltage (Ui)	Phase-to-neutral	400 V	400 V	400 V
	Phase-to-phase	440 V	-	440 V
Voltage rating (Ue)	Phase-to-neutral	230 V	230 V	230 V
	Phase-to-phase	400 V	-	400 V
Magnetic tripping	B curve	3 to 5 In	■	■
	C curve	5 to 10 In	■	■
	D curve	10 to 14 In	-	■
According to IEC/EN 60898-1				
Limitation class		3	3	3
Rated breaking capacity (Icn)		4500 A	6000 A	6000 A
Service breaking capacity (Ics)		100 % Icn	100 % Icn	100 % Icn
Rated breaking and making capacity on a single pole (Icn1)		Icn1 = Icn	Icn1 = Icn	Icn1 = Icn
According to IEC 60947-2				
Rated impulse withstand voltage (Uimp)		4 kV	4 kV	4 kV
Breaking capacity (Icu)		6 kA	6 kA	10 kA
Service breaking capacity (Ics)		75 % Icu	75 % Icu	75 % Icu
Pollution degree		3		
Additional characteristics				
Degree of protection (IEC 60529)	Device only	IP20		
	Device in modular enclosure	IP40 Insulation class II		
Endurance (O-C)	Electrical	≤ 20 A	20000 cycles	
		≥ 25 A	10000 cycles	
	Mechanical	20000 cycles		
Operating temperature		-25°C to +70°C		
Storage temperature		-40°C to +70°C		
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity of 95 % at 55°C)		
Neutral opening and closing shifted relative to phases		No surge upon operation of the device		



Dimensions (mm)



Weight (g)

Circuit breakers	
Type	iDPN, iDPN F, iDPN N
1P+N	115
3P	310
3P+N	322