Residual current devices
iDPN Vigi

DB116619 DB123430 DB123400

Country approval pictograms

IEC/EN 61009

PB110000-40



iDPNa Vigi

PB110001-40



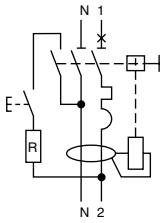
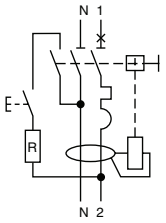
iDPN H Vigi

■ 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 (≤ 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.

Catalogue numbers

iDPNa Vigi 4500

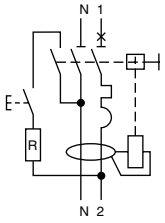
Type			AC		A		Width in 9 mm modules
Auxiliaries			**Remote tripping and indication, module CA907000 and CA907002**				
1P+N	**Curve B**	**Sensitivity**	**30 mA**	**300 mA**	**10 mA**	**30 mA**	
DB123871 	Rating (In) 6 A		**A9D51606**	**-**	**-**	**A9D54606**	4
	10 A		**A9D51610**	**-**	**-**	**A9D54610**	
	13 A		**-**	**-**	**-**	**A9D54613**	
	16 A		**A9D51616**	**-**	**-**	**A9D54616**	
	20 A		**A9D51620**	**-**	**-**	**A9D54620**	
	25 A		**A9D51625**	**-**	**-**	**A9D54625**	
	32 A		**A9D51632**	**-**	**-**	**A9D54632**	
	40 A		**A9D51640**	**-**	**-**	**A9D54640**	
1P+N	**Curve C**	**Sensitivity**	**30 mA**	**300 mA**	**10 mA**	**30 mA**	
DB123871 	Rating (In) 6 A		**A9D34606**	**A9D44606**	**-**	**A9D35606**	4
	10 A		**A9D34610**	**A9D44610**	**A9D05610**	**A9D35610**	
	13 A		**-**	**-**	**-**	**A9D35613**	
	16 A		**A9D34616**	**A9D44616**	**A9D05616**	**A9D35616**	
	20 A		**A9D34620**	**A9D44620**	**-**	**A9D35620**	
	25 A		**A9D34625**	**A9D44625**	**-**	**A9D35625**	
	32 A		**A9D34632**	**A9D44632**	**-**	**A9D35632**	
	40 A		**A9D34640**	**A9D44640**	**-**	**A9D35640**	
Voltage rating (Ue)			230 V AC				
Operating frequency			50 Hz				
Accessories			**Module CA907000 and CA907001, comb busbars LIN001**				

PB110002-40



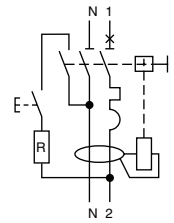
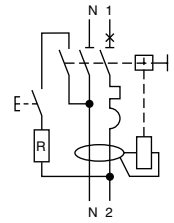
iDPN N Vigi

iDPN N Vigi G Type 6000

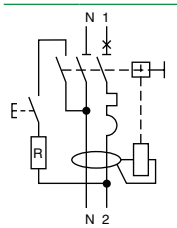
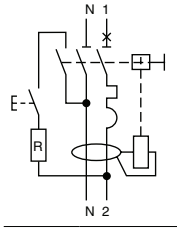
Type			AC	A	Width in 9 mm modules
Auxiliaries			**Remote tripping and indication, module CA907000 and CA907002**		
1P+N	**Curve C**	**Sensitivity**	**30 mA**	**100 mA**	
DB123871 	Rating (In) 6 A		**A9D62606**	**A9D72606**	4
	10 A		**A9D62610**	**A9D72610**	
	13 A		**A9D62613**	**A9D72613**	
	16 A		**A9D62616**	**A9D72616**	
Voltage rating (Ue)			230 V AC		
Operating frequency			50 Hz		
Accessories			**Module CA907000 and CA907001, comb busbars LIN001**		

Residual current devices iDPN Vigi (cont.)

iDPN N Vigi 6000

Type			AC		A			SI			Width in 9 mm modules
Auxiliaries			Remote tripping and indication, module CA907000 and CA907002								
1P+N Curve B		Sensitivity	30 mA	300 mA	10 mA	30 mA	100 mA	300 mA	30 mA	100 mA	300 mA	
DB123871 	Rating (In)	4 A	A9D55604	A9D68604	-	A9D56604	A9D60604	A9D69604	-	-	-	4
		6 A	A9D55606	A9D68606	-	A9D56606	A9D60606	A9D69606	-	-	-	
		10 A	A9D55610	A9D68610	A9D08610	A9D56610	A9D60610	A9D69610	-	-	-	
		13 A	-	-	-	A9D56613	A9D60613	A9D69613	-	-	-	
		16 A	A9D55616	A9D68616	A9D08616	A9D56616	A9D60616	A9D69616	-	-	-	
		20 A	A9D55620	A9D68620	-	A9D56620	A9D60620	A9D69620	-	-	-	
		25 A	A9D55625	A9D68625	-	A9D56625	A9D60625	A9D69625	-	-	-	
		32 A	A9D55632	A9D68632	-	A9D56632	A9D60632	A9D69632	-	-	-	
		40 A	A9D55640	A9D68640	-	A9D56640	A9D60640	A9D69640	-	-	-	
1P+N Curve C		Sensitivity	30 mA	300 mA	10 mA	30 mA	100 mA	300 mA	30 mA	100 mA	300 mA	
DB123871 	Rating (In)	6 A	A9D31606	A9D41606	-	A9D32606	A9D52606	A9D42606	A9D33606	A9D53606	A9D43606	4
		10 A	A9D31610	A9D41610	A9D02610	A9D32610	A9D52610	A9D42610	A9D33610	A9D53610	A9D43610	
		13 A	-	-	-	A9D32613	A9D52613	A9D42613	A9D33613	A9D53613	A9D43613	
		16 A	A9D31616	A9D41616	A9D02616	A9D32616	A9D52616	A9D42616	A9D33616	A9D53616	A9D43616	
		20 A	A9D31620	A9D41620	-	A9D32620	A9D52620	A9D42620	A9D33620	A9D53620	A9D43620	
		25 A	A9D31625	A9D41625	-	A9D32625	A9D52625	A9D42625	A9D33625	A9D53625	A9D43625	
		32 A	A9D31632	A9D41632	-	A9D32632	A9D52632	A9D42632	A9D33632	A9D53632	A9D43632	
		40 A	A9D31640	A9D41640	-	A9D32640	A9D52640	A9D42640	A9D33640	A9D53640	A9D43640	
Voltage rating (Ue)			230 V AC									
Operating frequency			50 Hz									
Accessories			Module CA907000 and CA907001, comb busbars LIN001									

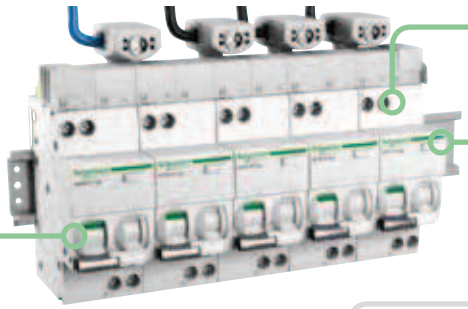
iDPN H Vigi 10000

Type			A		SI		Width in 9 mm modules
Auxiliaries			Remote tripping and indication, module CA907000 and CA907002				
1P+N Curve B		Sensitivity	30 mA	300 mA	30 mA	300 mA	
DB123871 	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	
DB123871 	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				
Accessories			Module CA907000 and CA907001, comb busbars LIN001				

Residual current devices iDPN Vigi (cont.)

DB405958-40

■ Fast contact closure



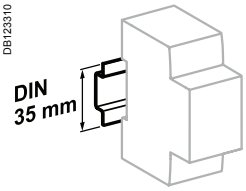
■ Insulated terminals IP20

■ 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

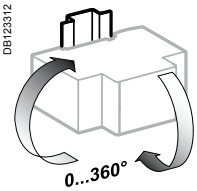
Positive contact indication
■ A green strip on the toggle guarantees opening of all the poles in safety conditions (padlocking possible) for work to be carried out on live parts

DB123310



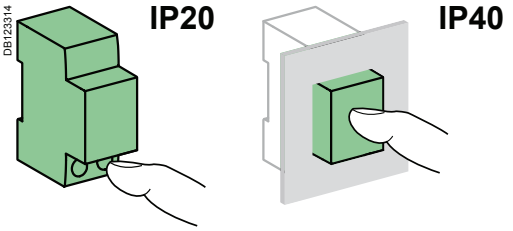
Clip on DIN rail 35 mm.

DB123312



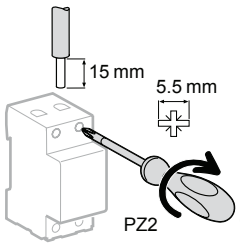
Indifferent position of installation.

DB123314



Connection

DB123947



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
		DB122945	DB122946
4 to 40 A	2 N.m	1 to 16 mm²	1 to 10 mm²

Technical data

Main characteristics					
Type			**iDPNa Vigi**	**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)			4500 A	6000 A	10,000 A
Rated residual breaking and making capacity (IΔm)			4500 A	6000 A	10,000 A
8/20 µs impulse withstand		Type AC	250 Â	250 Â	250 Â
		Type A	250 Â	250 Â	250 Â
		Type *SI*	-	3 kÂ	3 kÂ
Additional characteristics					
Earth leakage protection with instantaneous tripping			10, 30, 300 mA	10, 30, 100, 300 mA	30, 300 mA
Degree of protection (IEC 60529)	Device only		IP20		
	Device in modular enclosure		IP40 Insulation classe 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)

DB124454

