



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 (≤ 30 mA),
 - protection for users against electric shocks by indirect contacts (300 mA),
 - protection of the installations against fire risks (300 mA).



iDPN H Vigi

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iDPN N Vigi 6000			
Type	AC	Width in 9 mm modules	
Auxiliaries			
1P+N Curve B	Sensitivity	30 mA	
	Rating (In)	4 A	A9D55604
		6 A	A9D55606
		10 A	A9D55610
		16 A	A9D55616
		20 A	A9D55620
		25 A	A9D55625
		32 A	A9D55632
		40 A	A9D55640
1P+N Curve C	Sensitivity	30 mA	
	Rating (In)	6 A	A9D31606
		10 A	A9D31610
		16 A	A9D31616
		20 A	A9D31620
		25 A	A9D31625
		32 A	A9D31632
		40 A	A9D31640
	Voltage rating (Ue)		230 V AC
Operating frequency		50 Hz	

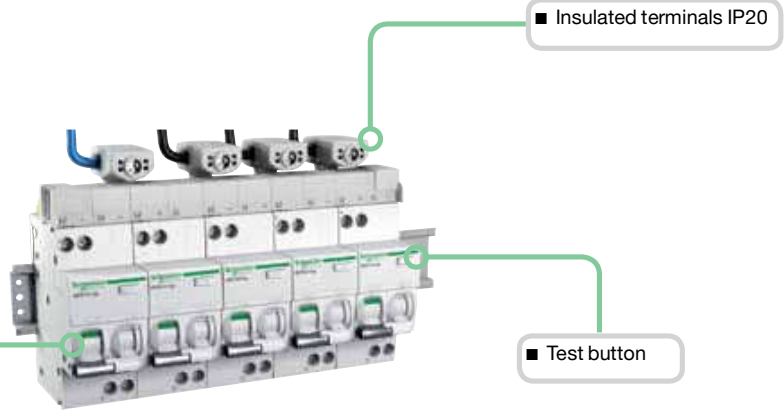
iDPN N Vigi 6000			
Type	A	Width in 9 mm modules	
Auxiliaries			
1P+N Curve B	Sensitivity	30 mA	
	Rating (In)	10 A	A9D06610
		16 A	A9D06616
		20 A	A9D06620
1P+N Curve C	Sensitivity	30 mA	
	Rating (In)	10 A	A9D01610
		16 A	A9D01616
		20 A	A9D01620
Voltage rating (Ue)		230 V AC	
Operating frequency		50 Hz	

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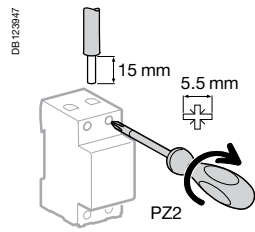
Visi-trip double window
 ■ Fault tripping circuit breaker is indicated by a red mechanical indicator on the front face.
 ■ Earth fault is indicated by a red mechanical indicator on the front face

■ Fast contact closure

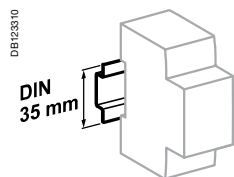


Positive contact indication
 ■ A green strip on the toggle guarantees opening of all the poles in safety conditions (padlocking possible) for work to be carried out on live parts

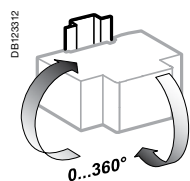
Connection



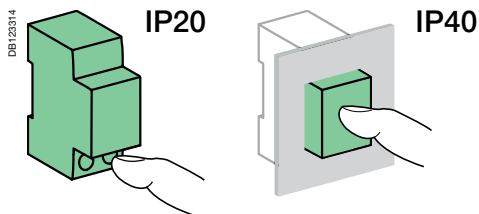
Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
4 to 40 A	2 N.m	DB12945 	DB12946



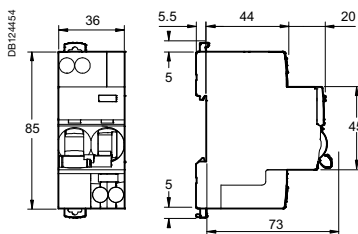
Clip on DIN rail 35 mm.



Indifferent position of installation.



Dimensions (mm)



Technical data

Main characteristics			
Insulation voltage (U _i)		400 V AC	
Pollution degree		3	
Rated impulse withstand voltage (U _{imp})		4 kV	
Setting temperature for ratings		30°C	
Magnetic tripping	Curve B	Between 3 and 5 I _n	
	Curve C	Between 5 and 10 I _n	
According to EN 61009			
Limitation class			
Rated breaking capacity (I _{cn})		6000 A	
Rated residual breaking and making capacity (I _{Δm})		6000 A	
8/20 μs impulse withstand	Type AC	250 A	
Additional characteristics			
Earth leakage protection with instantaneous tripping		30 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	
Storage temperature		-40°C to +85°C	
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity 95 % to 55°C)	

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Weight (g)

Residual current device	
Type	iDPN Vigi
1P+N	125