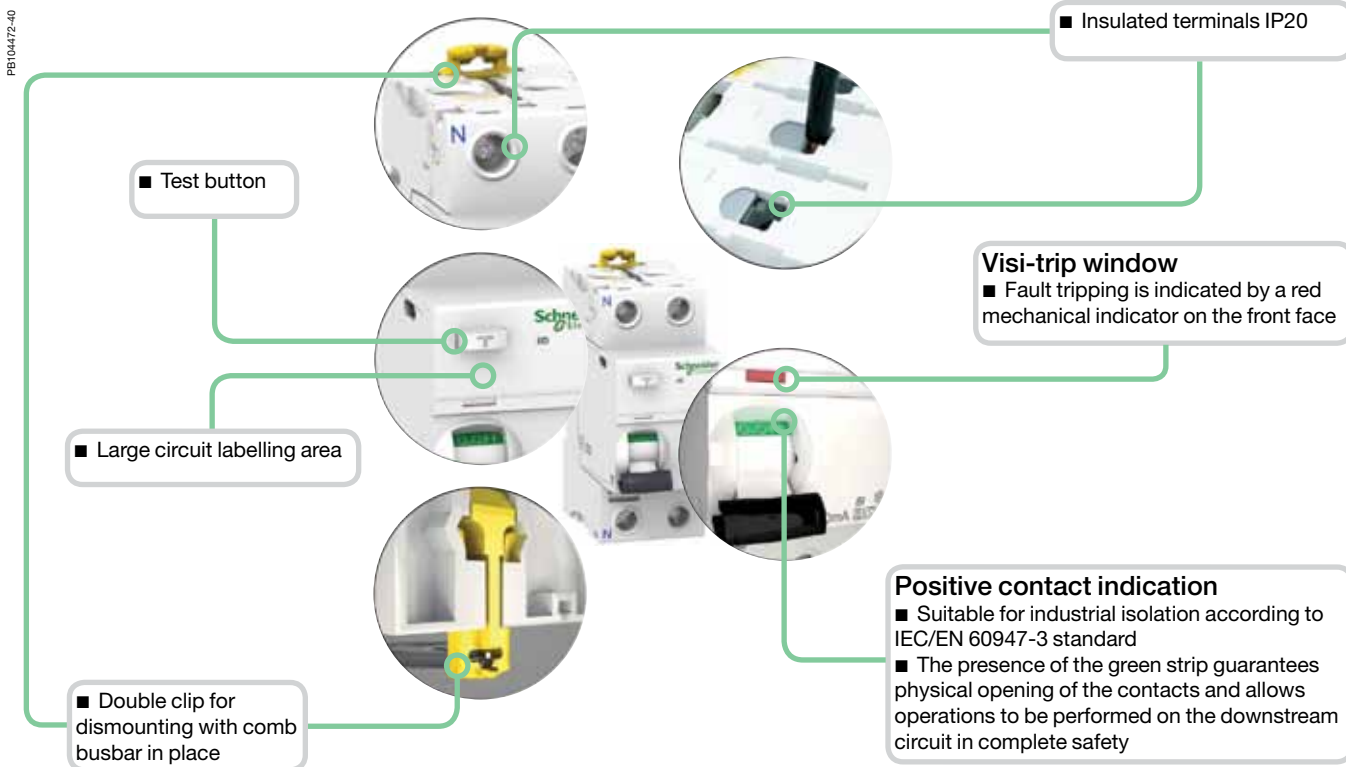


Protection Earth leakage protection

iID residual current circuit breakers (AC, A, SI types)



SI type

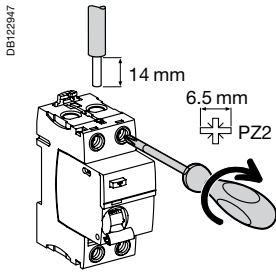
The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

Protection Earth leakage protection

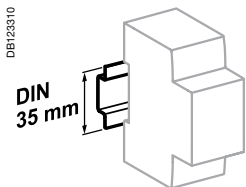
iID residual current circuit breakers (AC, A, S/I types) (cont.)

2

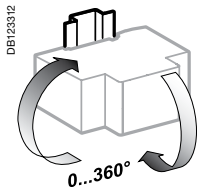
Connection



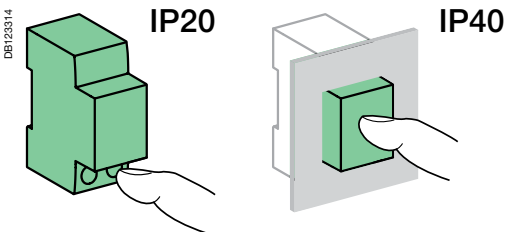
Type	Tightening torque	Without accessory		With accessories*			
		Copper cables Rigid	Copper cables Flexible or ferrule	50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal Rigid cables	Multi-cables terminal Flexible cables
iID	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	Ø 5 mm	3 x 16 mm ²	3 x 10 mm ²



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

Main characteristics			
Insulation voltage (U _i)	500 V		
Pollution degree	3		
Rated impulse withstand voltage (U _{imp})	6 kV		
According to IEC/EN 61008-1			
Making and breaking capacity (I _m /I _{Δm})	1500 A		
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective Ⓢ)	250 kA	
	AC, A types (selective Ⓢ)	3 kA	
	S/I type	3 kA	
Conditional rated short circuit current (I _{nc} /I _{Δc})	With C60H	15 kA	
	With fuse	10,000 A	
Additional characteristics			
Degree of protection	Device only	IP20	
	Device in modular enclosure	IP40 Insulation classe II	
Endurance (O-C)	Electrical (AC1)	16 to 63 A	15,000 cycles
		80 to 100 A	10,000 cycles
	Mechanical		20,000 cycles
Operating temperature	AC type	-5°C to +60°C	
	A and S/I types	-25°C to +60°C	
Storage temperature			-40°C to +85°C