

iID residual current circuit breakers (AC type)



IEC/EN 61008-1

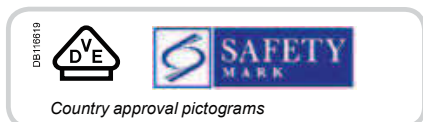


- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

Catalogue numbers

iID residual current circuit breakers									
Type	AC								Width in 9 mm module
Product	iID								
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA	500 mA	
	Rating	16 A	A9R10216	-	-	-	-	-	4
		25 A	A9R10225	A9R71225	-	A9R74225	A9R16225	-	-
		40 A	-	A9R71240	A9R12240	A9R74240	A9R16240	-	-
		63 A	-	A9R71263	A9R12263	A9R74263	A9R16263	A9R15263	-
		80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280	-
		100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291	-
	Rating	25 A	-	A9R71425	-	A9R74425	A9R16425	-	8
		40 A	-	A9R71440	A9R12440	A9R74440	A9R16440	A9R15440	A9R17440
		63 A	-	A9R71463	A9R12463	A9R74463	A9R16463	A9R15463	A9R17463
		80 A	-	A9R11480	A9R12480	A9R14480	A9R16480	A9R15480	A9R17480
		100 A	-	A9R11491	A9R12491	A9R14491	-	A9R15491	-
Voltage rating (Ue)	2P	230 - 240 V							
	4P	400 - 415 V							
Operating frequency	50/60 Hz								

iID residual current circuit breakers (A type)



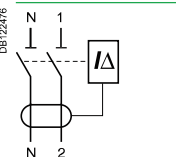
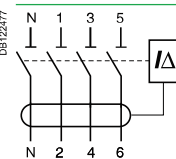


IEC/EN 61008-1

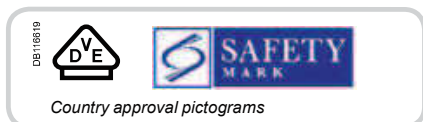


- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA),

Catalogue numbers

iID residual current circuit breakers									
Type	A 							Width in 9 mm module	
Product	iID								
	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
2P 	Rating	16 A	A9R20216	-	-	-	-	4	
		25 A	A9R20225	A9R51225	-	A9R54225	-		
		40 A	-	A9R51240	-	A9R54240	-		A9R25240
		63 A	-	A9R51263	-	A9R54263	-		A9R25263
		100 A	-	A9R21291	-	A9R24291	-		A9R25291
4P 	Rating	25 A	-	A9R51425	-	A9R54425	-	8	
		40 A	-	A9R51440	A9R22440	A9R54440	A9R26440		A9R25440
		63 A	-	A9R51463	A9R22463	A9R54463	A9R26463		A9R25463
		80 A	-	A9R21480	-	A9R24480	-		A9R25480
		100 A	-	A9R21491	-	A9R24491	A9R26491		A9R25491
Voltage rating (Ue)	2P	230 - 240 V							
	4P	400 - 415 V							
Operating frequency	50/60 Hz								

iID residual current circuit breakers (Asi type)






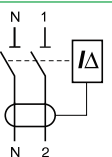
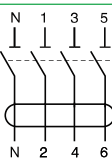
IEC/EN 61008-1



- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

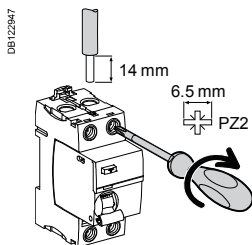
The Asi type provides increased immunity from electrical interference and polluted or corrosive environments.

Catalogue numbers

iID residual current circuit breakers							
Type	Product	Asi 	iID				Width in 9 mm module
		Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 
DB122476 	Rating	16 A	-	-	-	-	4
		25 A	A9R30225	A9R91225	-	-	-
		40 A	-	A9R91240	-	A9R35240	-
		63 A	-	A9R91263	-	A9R35263	-
		100 A	-	-	-	A9R35291	-
DB122477 	Rating	25 A	-	A9R91425	-	-	8
		40 A	-	A9R91440	-	A9R35440	A9R37440
		63 A	-	A9R91463	A9R34463	A9R35463	A9R37463
		80 A	-	A9R31480	-	A9R35480	A9R37480
		100 A	-	A9R31491	A9R34491	A9R35491	-
Voltage rating (Ue)	2P	230 - 240 V					
	4P	400 - 415 V					
Operating frequency	50/60 Hz						

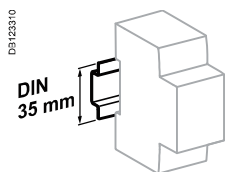
iID residual current circuit breakers (AC, A, Asi types)

Connection

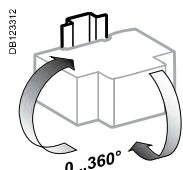


Type	Tightening torque	Without accessory		With accessories*			
		Copper cables		50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule			Rigid cables	Flexible cables
iID	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	Ø 5 mm	3 x 16 mm ²	3 x 10 mm ²

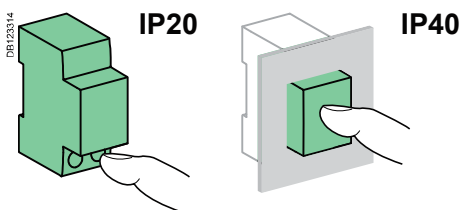
* See module CA907000



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

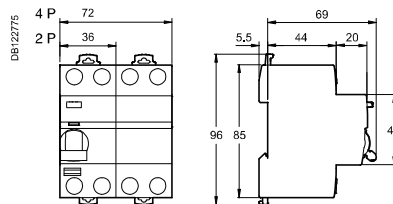
Main characteristics			
According to IEC 60947			
Insulation voltage (U _i)		500 V	
Pollution degree		3	
Rated impulse withstand voltage (U _{imp})		6 kV	
According to IEC/EN 61008-1			
Making and breaking capacity (I _m /I _∞ m)		1500 A	
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective \square)	250 Å	
	AC, A types (selective \square)	3 kÅ	
	Asi type	3 kÅ	
Conditional rated short circuit current (I _{nc} /I _{∞c})	With iC60N/H/L	Equal to breaking capacity of iC60	
	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 Asi types		-25°C to +60°C
Storage temperature			-40°C to +85°C

iID residual current circuit breakers (AC, A, Asi types) (cont.)

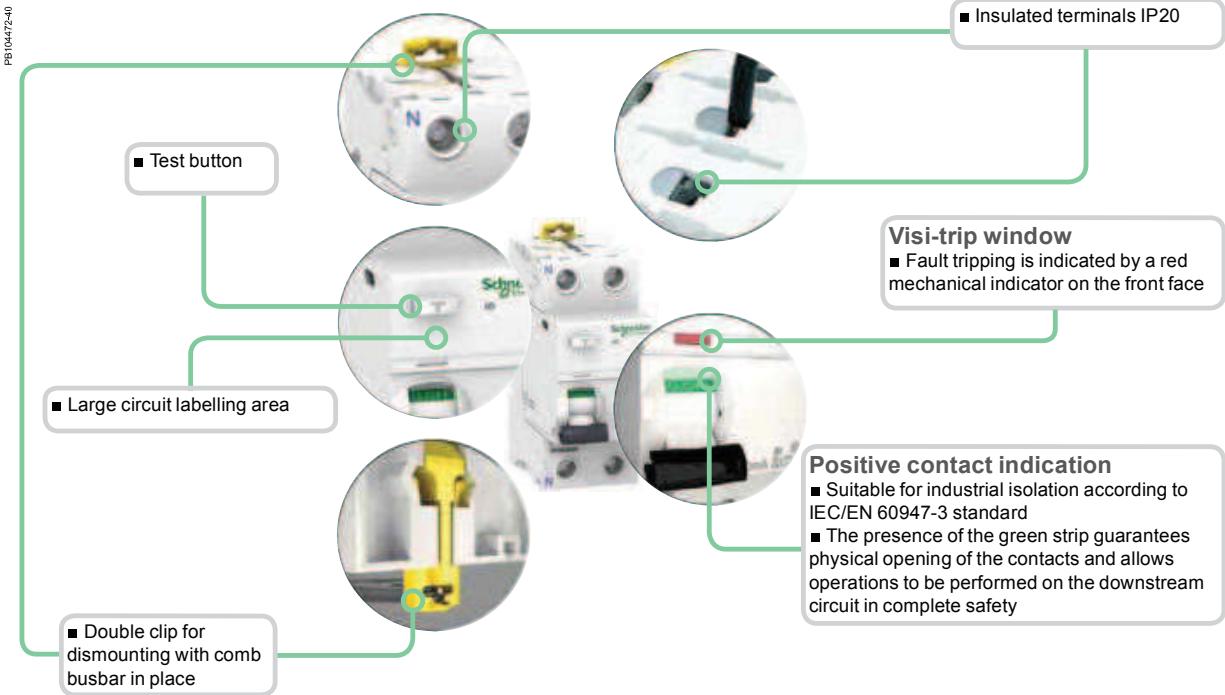
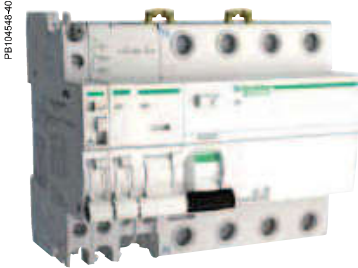
Weight (g)

Residual current circuit breakers	
Type	iID
2P	210
4P	370

Dimensions (mm)



iLD residual current circuit breakers (AC, A, Asi types) (cont.)



Asi type

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