

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									
Auxiliaries										
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA	500 mA		
	Rating	16 A	A9R10216	-	-	-	-	-	4	
		25 A	A9R10225	A9R41225	-	A9R44225	A9R16225	-		
		40 A	-	A9R41240	A9R12240	A9R44240	A9R16240	-		
		63 A	-	A9R41263	A9R12263	A9R44263	A9R16263	A9R15263		
		80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280		
		100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291		
	Rating	25 A	-	A9R41425	-	A9R44425	A9R16425	-	8	
		40 A	-	A9R41440	A9R12440	A9R44440	A9R16440	A9R15440		A9R17440
		63 A	-	A9R41463	A9R12463	A9R44463	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									

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PB10472-40





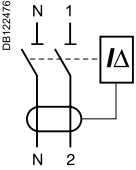

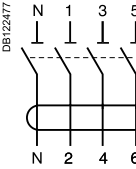
PB10473-40



- The iID residual current circuit breakers provide:
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 - 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								
Auxiliaries										
2P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
 <p>DB122476</p>	Rating	16 A	A9R20216	-	-	-	-	-	4	
		25 A	A9R20225	A9R21225	-	A9R24225	-	-		
		40 A	-	A9R21240	-	A9R24240	-	A9R25240		
		63 A	-	A9R21263	-	A9R24263	-	A9R25263		
		100 A	-	A9R21291	-	A9R24291	-	A9R25291		
4P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
 <p>DB122477</p>	Rating	25 A	-	A9R21425	-	A9R24425	-	-	8	
		40 A	-	A9R21440	A9R22440	A9R24440	A9R26440	A9R25440		
		63 A	-	A9R21463	A9R22463	A9R24463	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 (SI type)

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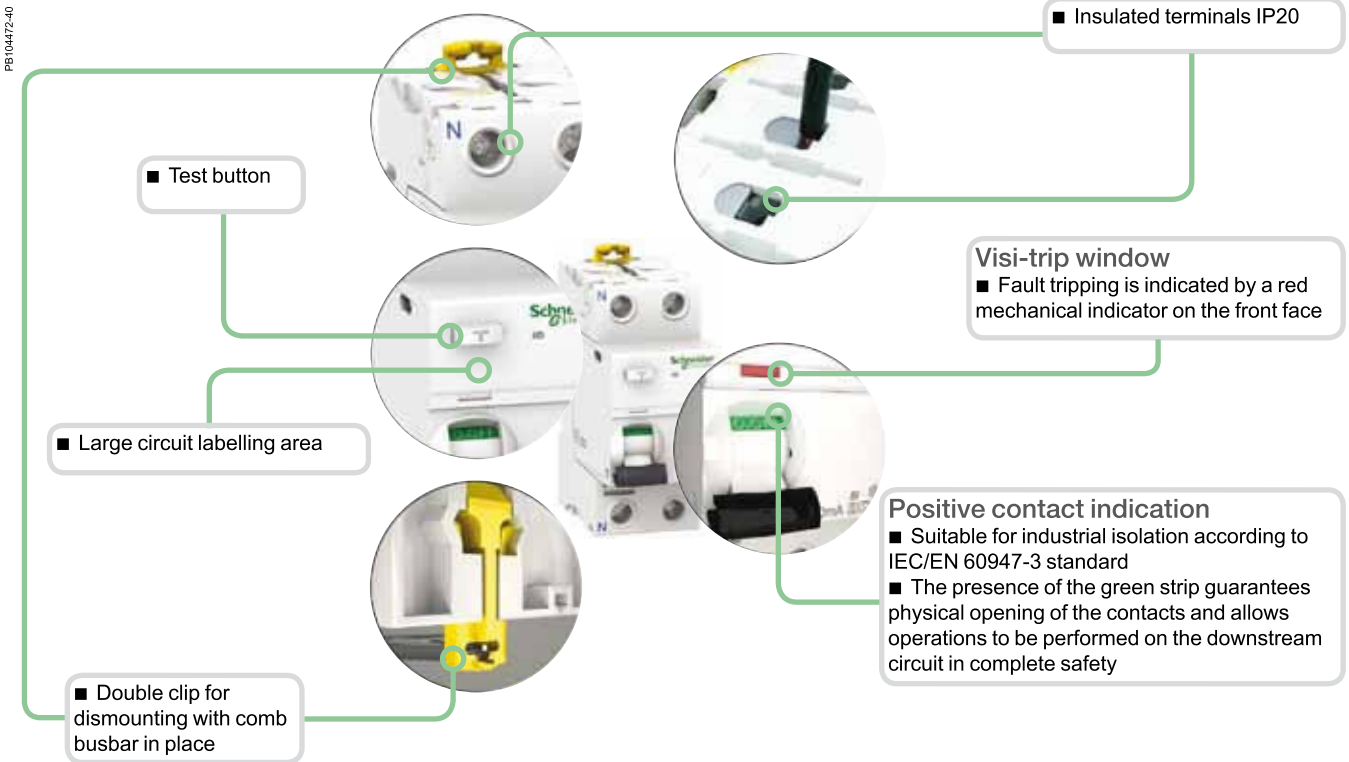
- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

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

Catalogue numbers

iID residual current circuit breakers								
Type	SI						Width in 9 mm module	
Product	iID							
Auxiliaries								
2P	Sensitivity	10 mA	30 mA	300 mA	300 mA	500 mA		
	Rating	16 A	-	-	-	-	4	
		25 A	A9R30225	A9R61225	-	-		-
		40 A	-	A9R61240	-	A9R35240		-
		63 A	-	A9R61263	-	A9R35263		-
		100 A	-	-	-	A9R35291		-
4P	Sensitivity	10 mA	30 mA	300 mA	300 mA	500 mA		
	Rating	25 A	-	A9R61425	-	-	8	
		40 A	-	A9R61440	-	A9R35440		A9R37440
		63 A	-	A9R61463	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, *SI* types) (cont.)

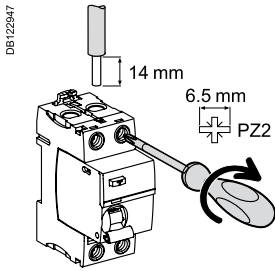


SI type

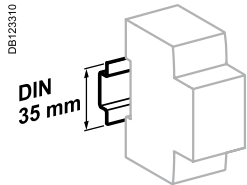
The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

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

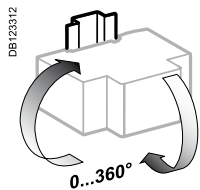
Connection



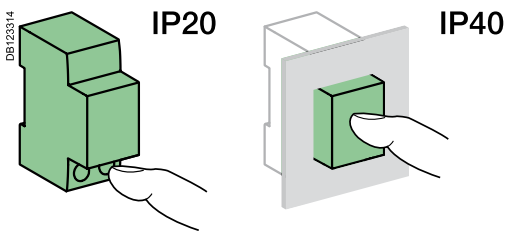
Type	Tightening torque	Without accessory		With accessories*			
		Copper cables		50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule			Rigid cables	Flexible cables
iID	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	∅ 5 mm	3 x 16 mm ²	3 x 10 mm ²



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 _∞ /I _m)		1500 A
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective Ⓜ)	250 Å
	AC, A types (selective Ⓜ)	3 kÅ
	S/I 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
Operating temperature	Mechanical	20,000 cycles
	AC type	-5°C to +60°C
Storage temperature	A and S/I types	-25°C to +60°C
		-40°C to +85°C