

Final Distribution Protection

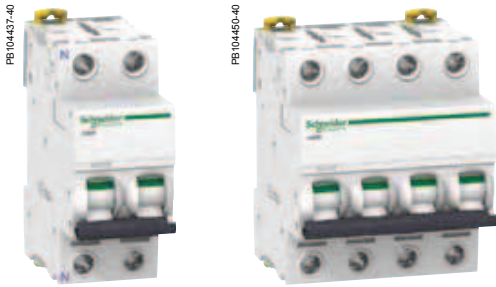
Acti9

A New Final Low Voltage Solution

2013



iC60N circuit breakers (curve B, C, D)



IEC/EN 60947-2 IEC/EN 60898-1

- iC60N circuit breakers are multi-standard circuit breakers which combine the following functions:
 - circuit protection against short-circuit currents,
 - circuit protection against overload currents,
 - suitable for industrial isolation according to IEC/EN 60947-2, standard.
 - fault tripping indication by a red mechanical indicator in circuit breaker front face.

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
Ph/Ph (2P, 3P, 4P)	Voltage (Ue)					
	12 to 133 V	220 to 240 V	380 to 415 V	440 V		100 % of Icu
Ph/N (1P, 1P+N)	12 to 60 V	100 to 133 V	220 to 240 V		-	
Rating (In)	0.5 to 4 A	50 kA	50 kA	50 kA	25 kA	75 % of Icu
	6 to 63 A	36 kA	20 kA	10 kA	6 kA	


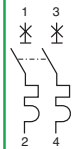
Breaking capacity (Icn) according to IEC/EN 60898-1	
Ph/Ph	Voltage (Ue)
	400 V
Ph/N	230 V
Rating (In)	0.5 to 63 A 6000 A

Direct current (DC)

Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
Between +/-	Voltage (Ue)					
	12 to 48 V	72 V	100 to 133 V		220 to 250 V	100 % of Icu
Number of poles	1P		2P (in series)	3P (in series)	4P (in series)	
Rating (In)	1 to 63 A	15 kA	6 kA	6 kA	15 kA 6 kA	

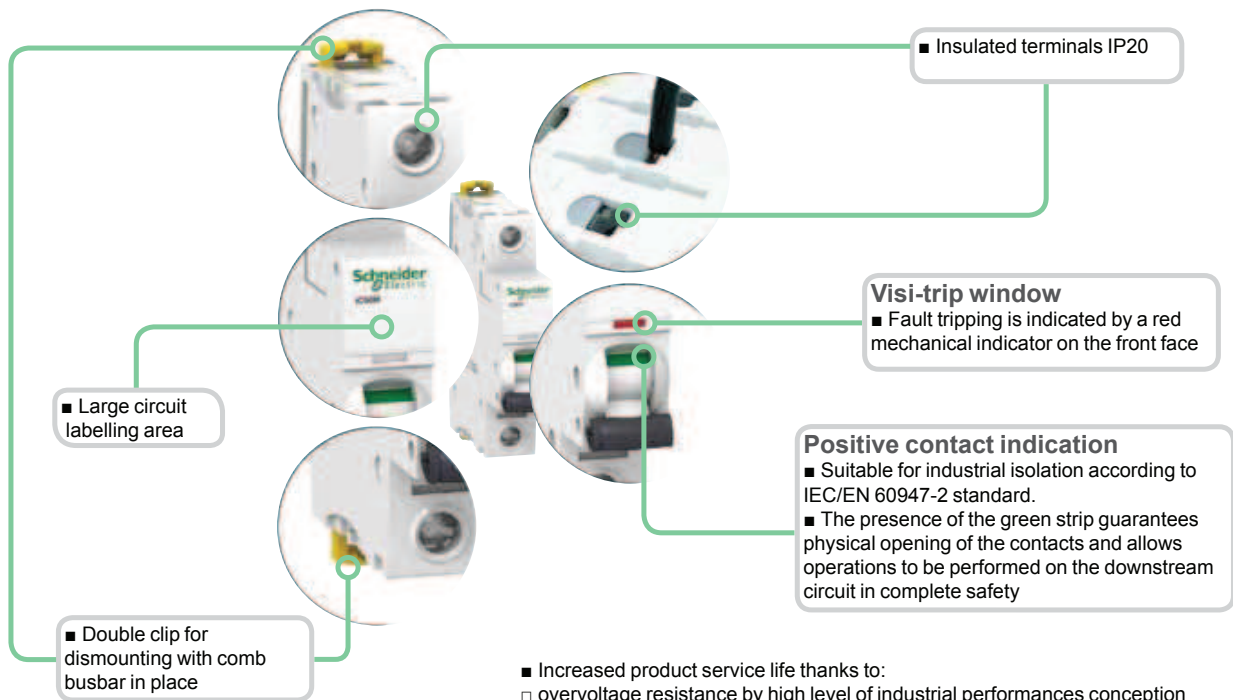
Catalogue numbers

iC60N circuit breaker

Type	1P			2P		
						
Rating (In)	Curve			Curve		
	B	C	D	B	C	D
1 A	A9F73101	A9F74101	A9F75101	A9F73201	A9F74201	A9F75201
2 A	A9F73102	A9F74102	A9F75102	A9F73202	A9F74202	A9F75202
3 A	A9F73103	A9F74103	A9F75103	A9F73203	A9F74203	A9F75203
4 A	A9F73104	A9F74104	A9F75104	A9F73204	A9F74204	A9F75204
6 A	A9F73106	A9F74106	A9F75106	A9F73206	A9F74206	A9F75206
10 A	A9F73110	A9F74110	A9F75110	A9F73210	A9F74210	A9F75210
13 A	A9F73113	A9F74113	A9F75113	A9F73213	A9F74213	A9F75213
16 A	A9F73116	A9F74116	A9F75116	A9F73216	A9F74216	A9F75216
20 A	A9F73120	A9F74120	A9F75120	A9F73220	A9F74220	A9F75220
25 A	A9F73125	A9F74125	A9F75125	A9F73225	A9F74225	A9F75225
32 A	A9F73132	A9F74132	A9F75132	A9F73232	A9F74232	A9F75232
40 A	A9F73140	A9F74140	A9F75140	A9F73240	A9F74240	A9F75240
50 A	A9F73150	A9F74150	A9F75150	A9F73250	A9F74250	A9F75250
63 A	A9F73163	A9F74163	A9F75163	A9F73263	A9F74263	A9F75263
Width in 9-mm modules	2			4		

iC60N circuit breakers (curve B, C, D) (cont.)

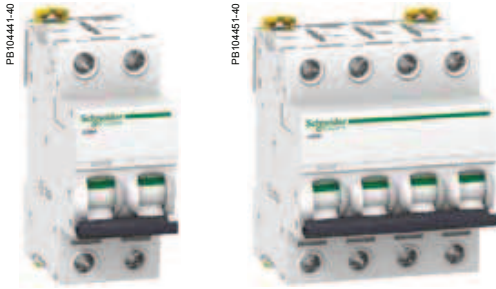
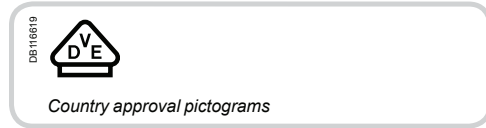
PB 00434-40



- Increased product service life thanks to:
 - overvoltage resistance by high level of industrial performances conception (pollution degree, rated impulse withstand voltage and insulation voltage),
 - high performance limitation (see limitation curves),
 - fast closing independent of the speed of actuation of the toggle.
- Remote indication, open/closed/tripped, by optional auxiliary contacts.
- Top or bottom electrical feeding.

3P			4P		
Curve			Curve		
B	C	D	B	C	D ⁽¹⁾
A9F73301	A9F74301	A9F75301	A9F73401	A9F74401	A9F75401
A9F73302	A9F74302	A9F75302	A9F73402	A9F74402	A9F75402
A9F73303	A9F74303	A9F75303	A9F73403	A9F74403	A9F75403
A9F73304	A9F74304	A9F75304	A9F73404	A9F74404	A9F75404
A9F73306	A9F74306	A9F75306	A9F73406	A9F74406	A9F75406
A9F73310	A9F74310	A9F75310	A9F73410	A9F74410	A9F75410
A9F73313	A9F74313	A9F75313	A9F73413	A9F74413	A9F75413
A9F73316	A9F74316	A9F75316	A9F73416	A9F74416	A9F75416
A9F73320	A9F74320	A9F75320	A9F73420	A9F74420	A9F75420
A9F73325	A9F74325	A9F75325	A9F73425	A9F74425	A9F75425
A9F73332	A9F74332	A9F75332	A9F73432	A9F74432	A9F75432
A9F73340	A9F74340	A9F75340	A9F73440	A9F74440	A9F75440
A9F73350	A9F74350	A9F75350	A9F73450	A9F74450	A9F75450
A9F73363	A9F74363	A9F75363	A9F73463	A9F74463	A9F75463
6			8		

iC60H circuit breakers (curve B, C, D)



IEC/EN 60947-2 IEC/EN 60898-1

- iC60H circuit breakers are multi-standard circuit breakers which combine the following functions:
 - circuit protection against short-circuit currents,
 - circuit protection against overload currents,
 - suitable for industrial isolation according to IEC/EN 60947-2, standard.
 - fault tripping indication by a red mechanical indicator in circuit breaker front face.

Alternating current (AC) 50/60 Hz						
Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
	Voltage (Ue)					
Ph/Ph (2P, 3P, 4P)	12 to 133 V	220 to 240 V	380 to 415 V	440 V		100 % of Icu
Ph/N (1P, 1P+N)	12 to 60 V	100 to 133 V	220 to 240 V	-		
Rating (In)	0.5 to 4 A	70 kA	70 kA	70 kA	50 kA	100 % of Icu
	6 to 40 A	42 kA	30 kA	15 kA	10 kA	50 % of Icu
	50/63 A	42 kA	-	15 kA	10 kA	50 % of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1						
	Voltage (Ue)					
Ph/Ph	400 V					
Ph/N	230 V					
Rating (In)	0.5 to 63 A	10000 A				

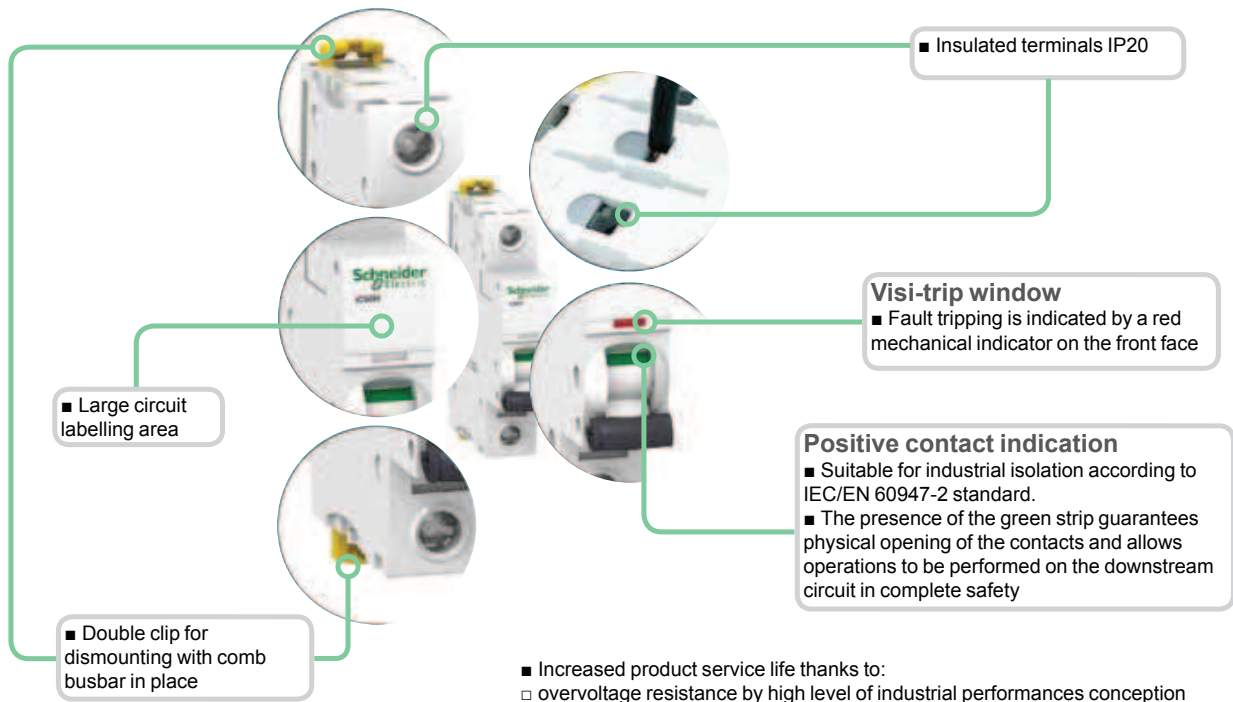
Direct current (DC)						
Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
	Voltage (Ue)					
Between +/-	12 to 48 V	72 V	100 to 133 V		220 to 250 V	100 % of Icu
Number of poles	1P		2P (in series)	3P (in series)	4P (in series)	
Rating (In)	1 to 63 A	20 kA	10 kA	10 kA	20 kA	10 kA

Catalogue numbers

iC60H circuit breaker						
Type	1P			2P		
Rating (In)	Curve			Curve		
	B	C	D	B	C	D
1 A	A9F83101	A9F84101	A9F85101	A9F83201	A9F84201	A9F85201
2 A	A9F83102	A9F84102	A9F85102	A9F83202	A9F84202	A9F85202
3 A	A9F83103	A9F84103	A9F85103	A9F83203	A9F84203	A9F85203
4 A	A9F83104	A9F84104	A9F85104	A9F83204	A9F84204	A9F85204
6 A	A9F83106	A9F84106	A9F85106	A9F83206	A9F84206	A9F85206
10 A	A9F83110	A9F84110	A9F85110	A9F83210	A9F84210	A9F85210
13 A	A9F83113	A9F84113	A9F85113	A9F83213	A9F84213	A9F85213
16 A	A9F83116	A9F84116	A9F85116	A9F83216	A9F84216	A9F85216
20 A	A9F83120	A9F84120	A9F85120	A9F83220	A9F84220	A9F85220
25 A	A9F83125	A9F84125	A9F85125	A9F83225	A9F84225	A9F85225
32 A	A9F83132	A9F84132	A9F85132	A9F83232	A9F84232	A9F85232
40 A	A9F83140	A9F84140	A9F85140	A9F83240	A9F84240	A9F85240
50 A	A9F83150	A9F84150	A9F85150	A9F83250	A9F84250	A9F85250
63 A	A9F83163	A9F84163	A9F85163	A9F83263	A9F84263	A9F85263
Width in 9-mm modules	2			4		

iC60H circuit breakers (curve B, C, D) (cont.)

PB10435-40



- Increased product service life thanks to:
 - overvoltage resistance by high level of industrial performances conception (pollution degree, rated impulse withstand voltage and insulation voltage),
 - high performance limitation (see limitation curves),
 - fast closing independent of the speed of actuation of the toggle.
- Remote indication, open/closed/tripped, by optional auxiliary contacts.
- Top or bottom electrical feeding.

3P			4P		
Curve			Curve		
B	C	D	B	C	D
A9F83301	A9F84301	A9F85301	A9F83401	A9F84401	A9F85401
A9F83302	A9F84302	A9F85302	A9F83402	A9F84402	A9F85402
A9F83303	A9F84303	A9F85303	A9F83403	A9F84403	A9F85403
A9F83304	A9F84304	A9F85304	A9F83404	A9F84404	A9F85404
A9F83306	A9F84306	A9F85306	A9F83406	A9F84406	A9F85406
A9F83310	A9F84310	A9F85310	A9F83410	A9F84410	A9F85410
A9F83313	A9F84313	A9F85313	A9F83413	A9F84413	A9F85413
A9F83316	A9F84316	A9F85316	A9F83416	A9F84416	A9F85416
A9F83320	A9F84320	A9F85320	A9F83420	A9F84420	A9F85420
A9F83325	A9F84325	A9F85325	A9F83425	A9F84425	A9F85425
A9F83332	A9F84332	A9F85332	A9F83432	A9F84432	A9F85432
A9F83340	A9F84340	A9F85340	A9F83440	A9F84440	A9F85440
A9F83350	A9F84350	A9F85350	A9F83450	A9F84450	A9F85450
A9F83363	A9F84363	A9F85363	A9F83463	A9F84463	A9F85463

iC60L circuit breakers (curve B, C, K, Z)



IEC/EN 60947-2 IEC/EN 60898-1 up to 40 A

- iC60L circuit breakers are multi-standard circuit breakers which combine the following functions:
 - circuit protection against short-circuit currents,
 - circuit protection against overload currents,
 - suitable for industrial isolation according to IEC/EN 60947-2, standard.
 - fault tripping indication by a red mechanical indicator in circuit breaker front face.

Alternating current (AC) 50/60 Hz

		Voltage (Ue)				Service breaking capacity (Ics)
		12 to 133 V	220 to 240 V	380 to 415 V	440 V	
Breaking capacity (Icu) according to IEC/EN 60947-2						
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	100 % of Icu
Ph/N (1P)		12 to 60 V	100 to 133 V	220 to 240 V	-	100 % of Icu
Rating (In)	0.5 to 4 A	100 kA	100 kA	100 kA	70 kA	100 % of Icu
	6 to 25 A	70 kA	-	25 kA	20 kA	50 % of Icu ⁽¹⁾
	32 / 40 A	70 kA	-	20 kA	15 kA	50 % of Icu
	50 / 63 A	70 kA	-	15 kA	10 kA	50 % of Icu

		Voltage (Ue)	
		400 V	230 V
Breaking capacity (Icn) according to IEC/EN 60898-1			
Ph/Ph		400 V	230 V
Ph/N		230 V	
Rating (In)	0.5 to 40 A	15000 A	

Direct current (DC)

		Voltage (Ue)				Service breaking capacity (Ics)
		12 to 48 V	72 V	100 to 144 V	220 to 250 V	
Breaking capacity (Icu) according to IEC/EN 60947-2						
Between +/-		12 to 48 V	72 V	100 to 144 V	220 to 250 V	100 % of Icu
Number of poles		1P	2P (in series)	3P (in series)	4P (in series)	
Rating (In)	1 to 63 A	25 kA	15 kA	15 kA	25 kA	15 kA

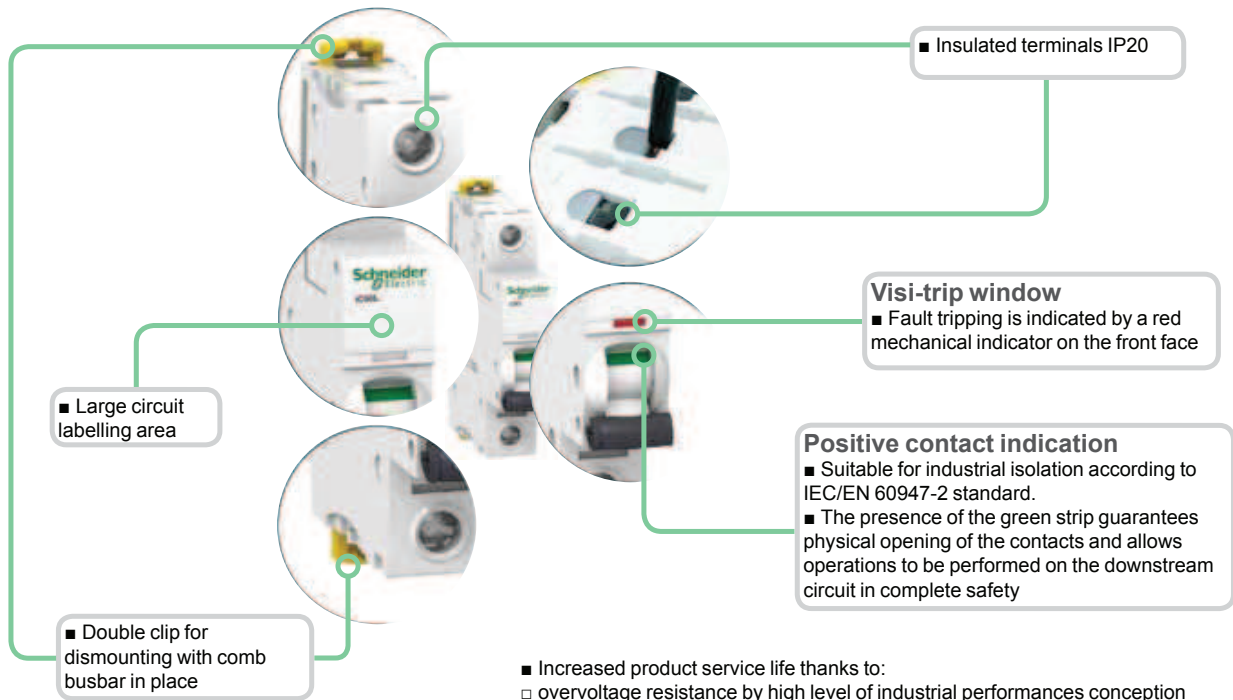
Catalogue numbers

iC60L circuit breaker										
Type	1P					2P				
Rating (In)	Quality label ⁽²⁾	Curve				Curve				
		B	C	K	Z	B	C	K	Z	
0.5 A		A9F93170	A9F94170	A9F95170	A9F92170	A9F93270	A9F94270	A9F95270	A9F92270	
1 A		A9F93101	A9F94101	A9F95101	A9F92101	A9F93201	A9F94201	A9F95201	A9F92201	
2 A		A9F93102	A9F94102	A9F95102	A9F92102	A9F93202	A9F94202	A9F95202	A9F92202	
3 A		A9F93103	A9F94103	A9F95103	A9F92103	A9F93203	A9F94203	A9F95203	A9F92203	
4 A		A9F93104	A9F94104	A9F95104	A9F92104	A9F93204	A9F94204	A9F95204	A9F92204	
6 A		A9F93106	A9F94106	A9F95106	A9F92106	A9F93206	A9F94206	A9F95206	A9F92206	
10 A		A9F93110	A9F94110	A9F95110	A9F92110	A9F93210	A9F94210	A9F95210	A9F92210	
16 A		A9F93116	A9F94116	A9F95116	A9F92116	A9F93216	A9F94216	A9F95216	A9F92216	
20 A		A9F93120	A9F94120	A9F95120	A9F92120	A9F93220	A9F94220	A9F95220	A9F92220	
25 A		A9F93125	A9F94125	A9F95125	A9F92125	A9F93225	A9F94225	A9F95225	A9F92225	
32 A		A9F93132	A9F94132	A9F95132	A9F92132	A9F93232	A9F94232	A9F95232	A9F92232	
40 A		A9F93140	A9F94140	A9F95140	A9F92140	A9F93240	A9F94240	A9F95240	A9F92240	
50 A		A9F93150	A9F94150	A9F95150 ⁽³⁾	A9F92150	A9F93250	A9F94250	A9F95250	A9F92250	
63 A		A9F93163	A9F94163	A9F95163 ⁽³⁾	A9F92163	A9F93263	A9F94263	A9F95263	A9F92263	
Width in 9-mm modules		2					4			

(1) 100 % of Icu for ratings 6 to 25 A under Ue 100 to 133 V AC Ph/Ph and Ue 12 to 60 V AC Ph/N.
 (2) Information to be provided by the country.
 (3) Without approval.

iC60L circuit breakers (curve B, C, K, Z) (cont.)

PE 00436-40



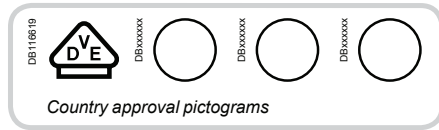
- Increased product service life thanks to:
 - overvoltage resistance by high level of industrial performances conception (pollution degree, rated impulse withstand voltage and insulation voltage),
 - high performance limitation (see limitation curves),
 - fast closing independent of the speed of actuation of the toggle.
- Remote indication, open/closed/tripped, by optional auxiliary contacts.
- Top or bottom electrical feeding.

3P				4P			
Curve				Curve			
B	C	K	Z	B	C	K	Z
A9F93370	A9F94370	A9F95370	A9F92370	A9F93470	A9F94470	A9F95470	A9F92470
A9F93301	A9F94301	A9F95301	A9F92301	A9F93401	A9F94401	A9F95401	A9F92401
A9F93302	A9F94302	A9F95302	A9F92302	A9F93402	A9F94402	A9F95402	A9F92402
A9F93303	A9F94303	A9F95303	A9F92303	A9F93403	A9F94403	A9F95403	A9F92403
A9F93304	A9F94304	A9F95304	A9F92304	A9F93404	A9F94404	A9F95404	A9F92404
A9F93306	A9F94306	A9F95306	A9F92306	A9F93406	A9F94406	A9F95406	A9F92406
A9F93310	A9F94310	A9F95310	A9F92310	A9F93410	A9F94410	A9F95410	A9F92410
A9F93316	A9F94316	A9F95316	A9F92316	A9F93416	A9F94416	A9F95416	A9F92416
A9F93320	A9F94320	A9F95320	A9F92320	A9F93420	A9F94420	A9F95420	A9F92420
A9F93325	A9F94325	A9F95325	A9F92325	A9F93425	A9F94425	A9F95425	A9F92425
A9F93332	A9F94332	A9F95332	A9F92332	A9F93432	A9F94432	A9F95432	A9F92432
A9F93340	A9F94340	A9F95340	A9F92340	A9F93440	A9F94440	A9F95440	A9F92440
A9F93350	A9F94350	A9F95350	A9F92350	A9F93450	A9F94450	A9F95450	A9F92450
A9F93363	A9F94363	A9F95363	A9F92363	A9F93463	A9F94463	A9F95463	A9F92463

4

6

iC60L circuit breakers instantaneous circuit breakers (ICB) (curve MA)



IEC/EN 60947-2



- iC60L curve MA circuit breakers combine the following functions:
 - circuit protection against short-circuit currents,
 - suitability for industrial isolation according to IEC/EN 60947-2, standard,
 - fault tripping indication by a red mechanical indicator in circuit breaker front face,
 - to be associated with overload protection for motor.

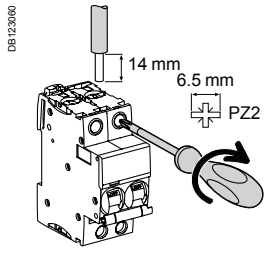
Alternating current (AC) 50/60 Hz					
Breaking capacity (Icu) according to IEC/EN 60947-2				Service breaking capacity (Ics)	
Ph/Ph (2P, 3P)	Voltage (Ue)				
Rating (In)	1.6 to 16 A	220 to 240 V	380 to 415 V	440 V	50 % of Icu
	25 à 40 A	30 kA	15 kA	10 kA	50 % of Icu

Catalogue numbers

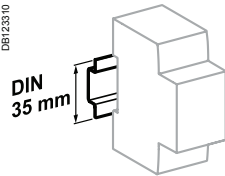
iC60L instantaneous trip circuit breaker				
Type	2P			3P
Rating (In)	Quality label ⁽¹⁾	Curve MA		Curve MA
1.6 A		A9F90272		A9F90372
2.5 A		A9F90273		A9F90373
4 A		A9F90204		A9F90304
6.3 A		A9F90276		A9F90376
10 A		A9F90210		A9F90310
12.5 A		A9F90282		A9F90382
16 A		A9F90216		A9F90316
25 A		A9F90225		A9F90325
40 A		A9F90240		A9F90340
Width in 9-mm modules		4		6

(1) Information to be provided by the country.

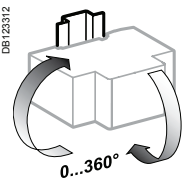
Connection



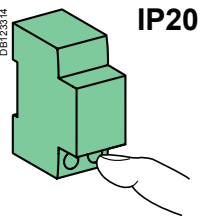
Rating	Tightening torque	Without accessory		With accessories			
		Copper cables		50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule			Rigid cables	Flexible cables
0.5 to 25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²	-	Ø 5 mm	-	-
32 to 63 A	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	-	3 x 16 mm ²	3 x 10 mm ²



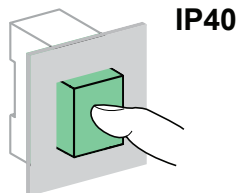
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20



IP40

Technical data

Main characteristics

According to IEC/EN 60947-2

Insulation voltage (Ui)	500 V AC	
Pollution degree	3	
Rated impulse withstand voltage (Uimp)	6 kV	
Thermal tripping	Reference temperature	50 °C
	Temperature derating	See module CA908007
Magnetic tripping	B curve	4 In ± 20 %
	C curve	8 In ± 20 %
	D curve	12 In ± 20 %
Utilization category	A	

According to IEC/EN 60898-1

Limitation class	3
Rated making and breaking capacity of an individual pole (Icn1)	Icn1 = Icn

Additional characteristics

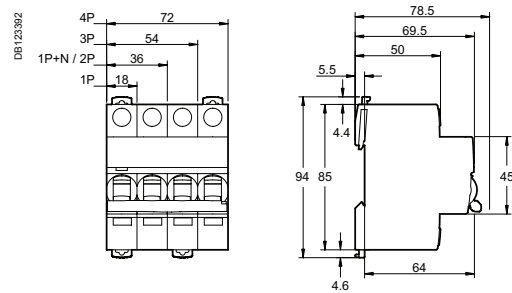
Breaking capacity under 1 pole with IT 380-415 V isolated neutral system (case of double fault)	40 A	4 kA
	50/63 A	3 kA
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40 Insulation classe II
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Overvoltage category (IEC 60364)	IV	
Operating temperature	-35°C to +70°C	
Storage temperature	-40°C to +85°C	
Tropicalization (IEC 60068-1)	Treatment 2 (relative humidity 95 % to 55°C)	

iC60 circuit breakers (cont.)

Weight (g)

Circuit-breaker	
Type	iC60N
1P	125
2P	250
3P	375
4P	500

Dimensions (mm)





IEC/EN 61008-1

PB104472-40



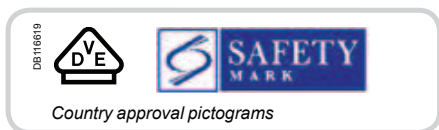
PB104473-40



- 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									



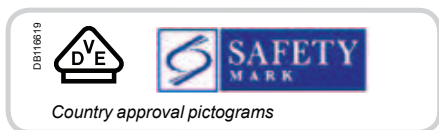
IEC/EN 61008-1



- 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								



IEC/EN 61008-1

PB104472-40



PB104473-40



- 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).

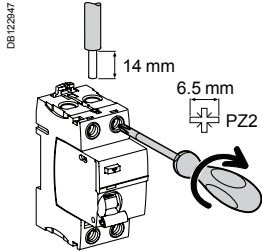
The Asi type provides increased immunity from electrical interference and polluted or corrosive environments.

Catalogue numbers

iID residual current circuit breakers							
Type	Asi						Width in 9 mm module
Product	iID						
	Sensitivity	10 mA	30 mA	300 mA	300 mA	500 mA	
2P DB12476	Rating	16 A	-	-	-	-	4
		25 A	A9R30225	A9R91225	-	-	
		40 A	-	A9R91240	-	A9R35240	
		63 A	-	A9R91263	-	A9R35263	
		100 A	-	-	-	A9R35291	
4P DB12477	Rating	25 A	-	A9R91425	-	-	8
		40 A	-	A9R91440	-	A9R35440	
		63 A	-	A9R91463	A9R34463	A9R35463	
		80 A	-	A9R31480	-	A9R35480	
		100 A	-	A9R31491	A9R34491	A9R35491	
Voltage rating (Ue)	2P	230 - 240 V					
	4P	400 - 415 V					
Operating frequency	50/60 Hz						

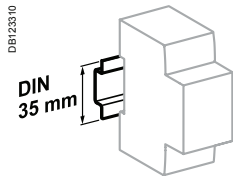
iID residual current circuit breakers (AC, A, Asi types)

Connection

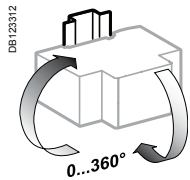


Type	Tightening torque	Without accessory		With accessories*			
		Copper cables		50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule			Rigid cables	Flexible cables
iID	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²	50 mm ²	Ø 5 mm	3 x 16 mm ²	3 x 10 mm ²

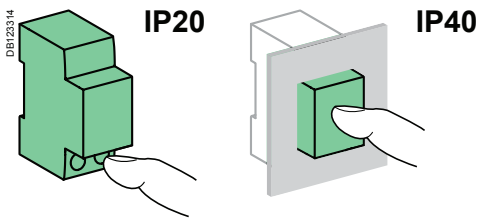
* See module CA907000



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

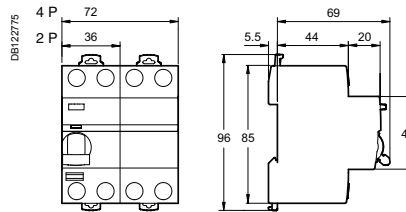
Main characteristics		
According to IEC 60947		
Insulation voltage (Ui)		500 V
Pollution degree		3
Rated impulse withstand voltage (Uimp)		6 kV
According to IEC/EN 61008-1		
Making and breaking capacity (Im/Iqm)		1500 A
Surge current withstand (8/20 µs) without tripping	AC and A types (no selective Ⓢ)	250 Å
	AC, A types (selective Ⓢ)	3 kÅ
	Asi type	3 kÅ
Conditional rated short circuit current (Inc/Ic)	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 80 to 100 A	15,000 cycles
		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.)

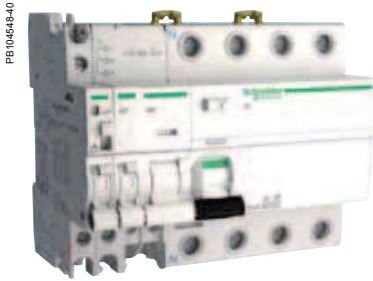
Weight (g)

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

Dimensions (mm)

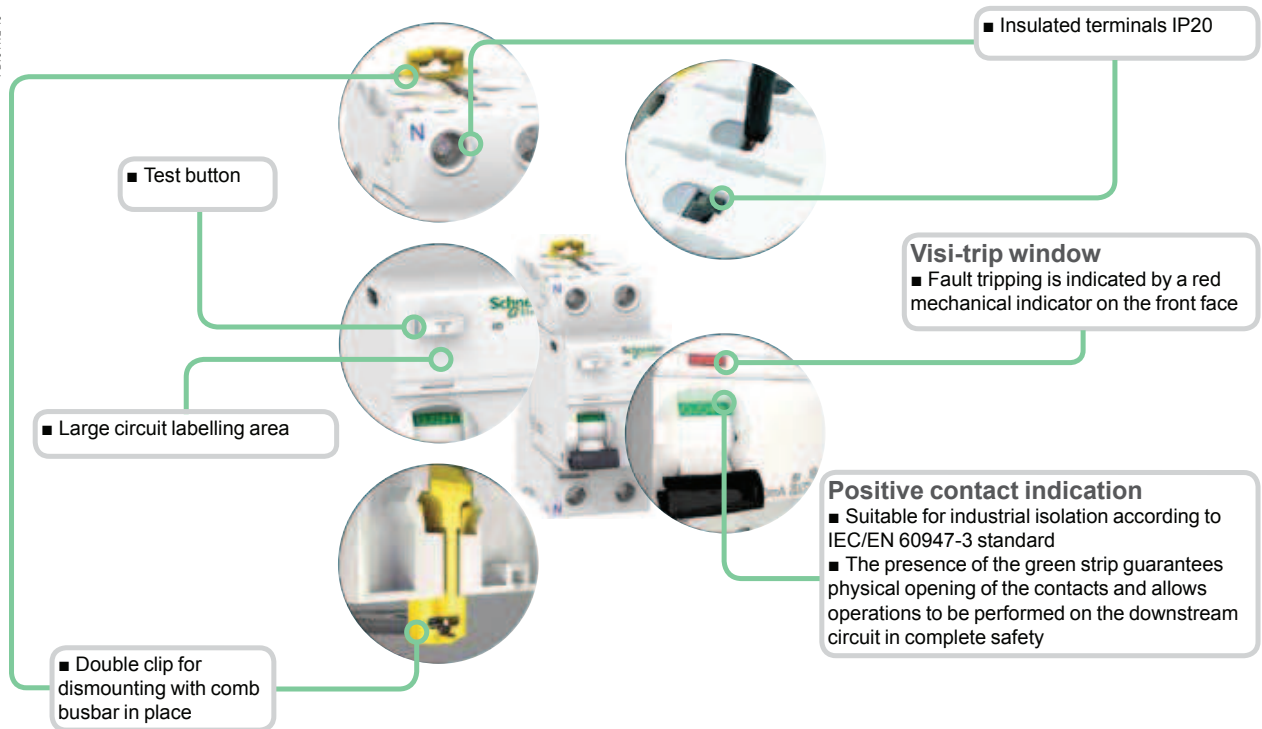


iID residual current circuit breakers (AC, A, Asi types) (cont.)



PB104538-40

PB10472-40



Asi type

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