

# iC60N circuit breakers (curve B, C, D)

## CEI/EN 60947-2 BS/EN 60898-1

- Disbo 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)
	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	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	
	Voltage (Ue)
Ph/Ph	400 V
Ph/N	230 V
Rating (In)	0.5 to 63 A 6000 A

### Direct current (DC)

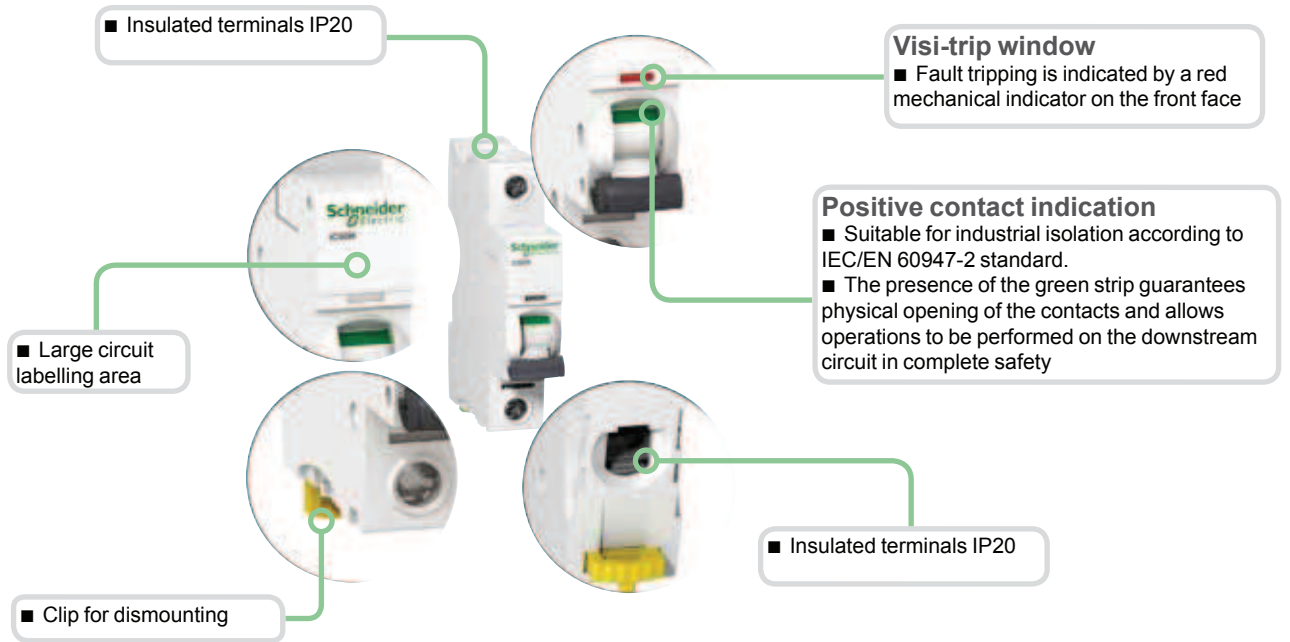
Breaking capacity (Icu) according to IEC/EN 60947-2						Service breaking capacity (Ics)
	Voltage (Ue)					
Between +/-	12 to 48 V	72 V	100 to 133 V		220 to 250 V	100 % of Icu
Number of poles	1P		2P (in series)	3P (in series)	4P (in series)	
Rating (In)	1 to 63 A	15 kA	6 kA	6 kA	15 kA	6 kA

## Catalogue numbers

### Disbo iC60N circuit breaker

Type	1P			2P		
						
Auxiliaries	Module CA907022			Module CA907022		
Calibre (In)	Curve			Curve		
	B	C	D	B	C	D
0.5 A	A9F43170	A9F44170	A9F45170	A9F43270	A9F44270	A9F45270
1 A	A9F43101	A9F44101	A9F45101	A9F43201	A9F44201	A9F45201
2 A	A9F43102	A9F44102	A9F45102	A9F43202	A9F44202	A9F45202
3 A	A9F43103	A9F44103	A9F45103	A9F43203	A9F44203	A9F45203
4 A	A9F43104	A9F44104	A9F45104	A9F43204	A9F44204	A9F45204
6 A	A9F43106	A9F44106	A9F45106	A9F43206	A9F44206	A9F45206
10 A	A9F43110	A9F44110	A9F45110	A9F43210	A9F44210	A9F45210
16 A	A9F43116	A9F44116	A9F45116	A9F43216	A9F44216	A9F45216
20 A	A9F43120	A9F44120	A9F45120	A9F43220	A9F44220	A9F45220
25 A	A9F43125	A9F44125	A9F45125	A9F43225	A9F44225	A9F45225
32 A	A9F43132	A9F44132	A9F45132	A9F43232	A9F44232	A9F45232
40 A	A9F43140	A9F44140	A9F45140	A9F43240	A9F44240	A9F45240
50 A	A9F43150	A9F44150	A9F45150	A9F43250	A9F44250	A9F45250
63 A	A9F43163	A9F44163	A9F45163	A9F43263	A9F44263	A9F45263
Width in 9-mm modules	2			4		
Accessories	Module CA907021			Module CA907021		

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



- 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		
Module CA907022				Module CA907022		
Curve				Curve		
B	C	D		B	C	D
A9F43370	A9F44370	A9F45370		A9F43470	A9F44470	A9F45470
A9F43301	A9F44301	A9F45301		A9F43401	A9F44401	A9F45401
A9F43302	A9F44302	A9F45302		A9F43402	A9F44402	A9F45402
A9F43303	A9F44303	A9F45303		A9F43403	A9F44403	A9F45403
A9F43304	A9F44304	A9F45304		A9F43404	A9F44404	A9F45404
A9F43306	A9F44306	A9F45306		A9F43406	A9F44406	A9F45406
A9F43310	A9F44310	A9F45310		A9F43410	A9F44410	A9F45410
A9F43216	A9F44316	A9F45316		A9F43416	A9F44416	A9F45416
A9F43220	A9F44320	A9F45320		A9F43420	A9F44420	A9F45420
A9F43225	A9F44325	A9F45325		A9F43425	A9F44425	A9F45425
A9F43232	A9F44332	A9F45332		A9F43432	A9F44432	A9F45432
A9F43240	A9F44340	A9F45340		A9F43440	A9F44440	A9F45440
A9F43250	A9F44350	A9F45350		A9F43450	A9F44450	A9F45450
A9F43263	A9F44363	A9F45363		A9F43463	A9F44463	A9F45463
6				8		
Module CA907021				Module CA907021		

# iC60H circuit breakers (curve B, C, D)



## BS/EN 60947-2 BS/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)		12 to 60 V	100 to 133 V	220 to 240 V	-	
Rating (In)	1 to 4 A	70 kA	70 kA	70 kA	50 kA	50 % of Icu
	6 to 40 A	42 kA	30 kA	15 kA	10 kA	
	50/63 A	42 kA	-	15 kA	10 kA	

### Breaking capacity (Icn) according to IEC/EN 60898-1

		Voltage (Ue)	
Ph/Ph		400 V	
Ph/N		230 V	
Rating (In)	1 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	10 kA	

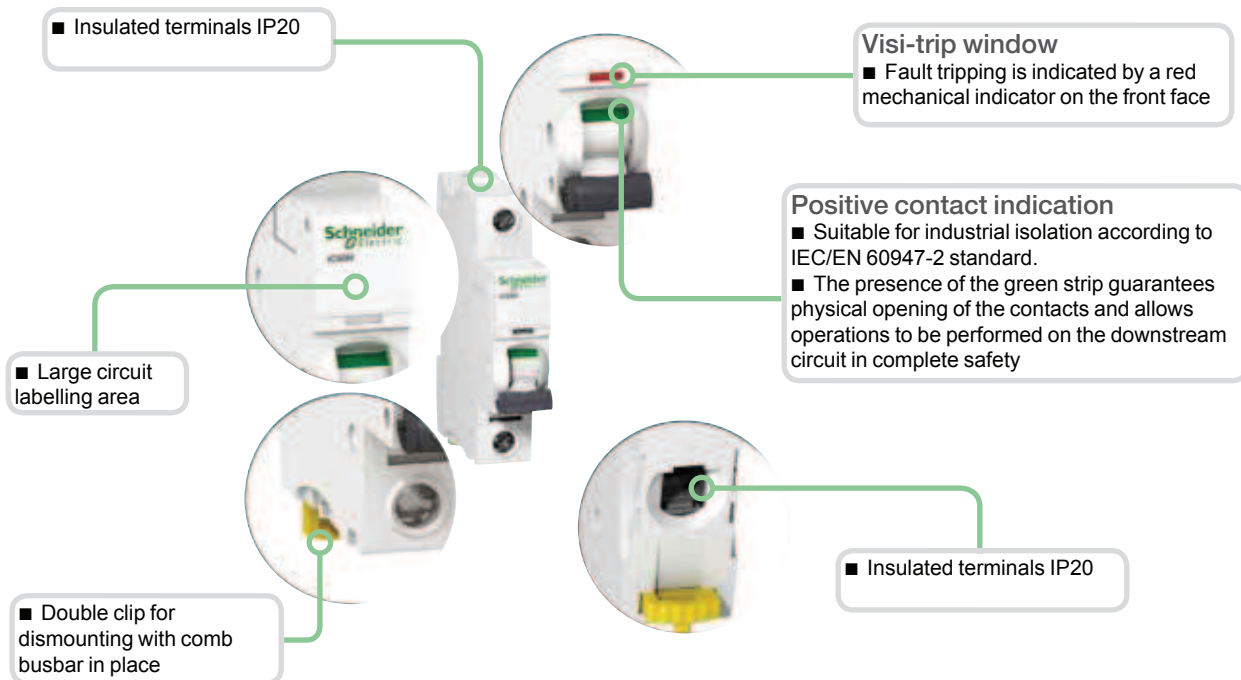
## Catalogue numbers

### iC60H circuit breaker

Type	1P			2P		
	Curve			Curve		
Calibre (In)	B	C	D	B	C	D
1 A	A9F53101	A9F54101	A9F55101	A9F53201	A9F54201	A9F55201
2 A	A9F53102	A9F54102	A9F55102	A9F53202	A9F54202	A9F55202
3 A	A9F53103	-	-	-	-	-
4 A	A9F53104	A9F54104	A9F55104	A9F53204	A9F54204	A9F55204
6 A	A9F53106	A9F54106	A9F55106	A9F53206	A9F54206	A9F55206
10 A	A9F53110	A9F54110	A9F55110	A9F53210	A9F54210	A9F55210
16 A	A9F53116	A9F54116	A9F55116	A9F53216	A9F54216	A9F55216
20 A	A9F53120	A9F54120	A9F55120	A9F53220	A9F54220	A9F55220
25 A	A9F53125	A9F54125	A9F55125	A9F53225	A9F54225	A9F55225
32 A	A9F53132	A9F54132	A9F55132	A9F53232	A9F54232	A9F55232
40 A	A9F53140	A9F54140	A9F55140	A9F53240	A9F54240	A9F55240
50 A	A9F53150	A9F54150	A9F55150	A9F53250	A9F54250	A9F55250
63 A	A9F53163	A9F54163	A9F55163	A9F53263	A9F54263	A9F55263
Width in 9-mm modules	2			4		

(1) VDE approved only.

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



- 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.

E46095	3P			E46097	4P		
	Curve	Curve	Curve		Curve	Curve	Curve
	A9F53301	A9F54301	A9F55301	A9F53401	A9F54401	A9F55401	
	A9F53302	A9F54302	A9F55302	A9F53402	A9F54402	A9F55402	
	-	-	-	-	-	-	
	A9F53304	A9F54304	A9F55304	A9F53404	A9F54404	A9F55404	
	A9F53306	A9F54306	A9F55306	A9F53406	A9F54406	A9F55406	
	A9F53310	A9F54310	A9F55310	A9F53410	A9F54410	A9F55410	
	A9F53316	A9F54316	A9F55316	A9F53416	A9F54416	A9F55416	
	A9F53320	A9F54320	A9F55320	A9F53420	A9F54420	A9F55420	
	A9F53325	A9F54325	A9F55325	A9F53425	A9F54425	A9F55425	
	A9F53332	A9F54332	A9F55332	A9F53432	A9F54432	A9F55432	
	A9F53340	A9F54340	A9F55340	A9F53440	A9F54440	A9F55440	
	A9F53350	A9F54350	A9F55350	A9F53450	A9F54450	A9F55450	
	A9F53363	A9F54363	A9F55363	A9F53463	A9F54463	A9F55463	
6				8			