



# Protection

## Circuit protection

### iK60N (curve C)

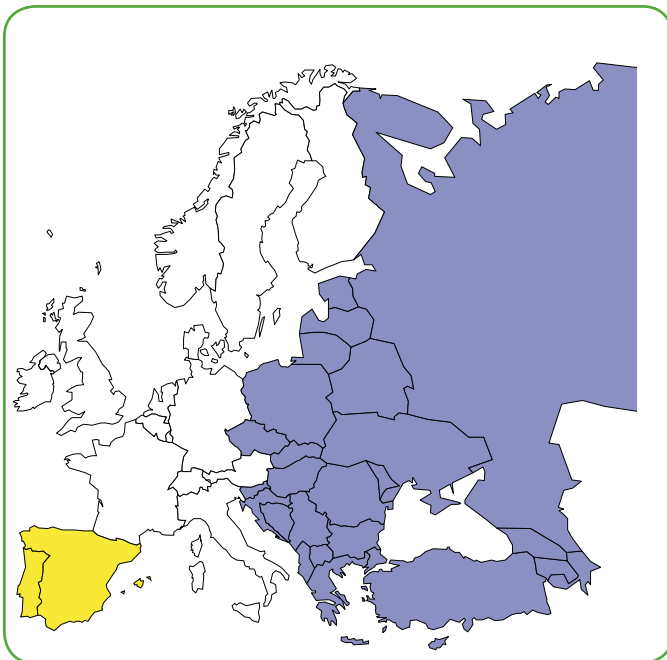
## Contents

Schneider Electric's range of circuit breakers consists of different products (A, B, C) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

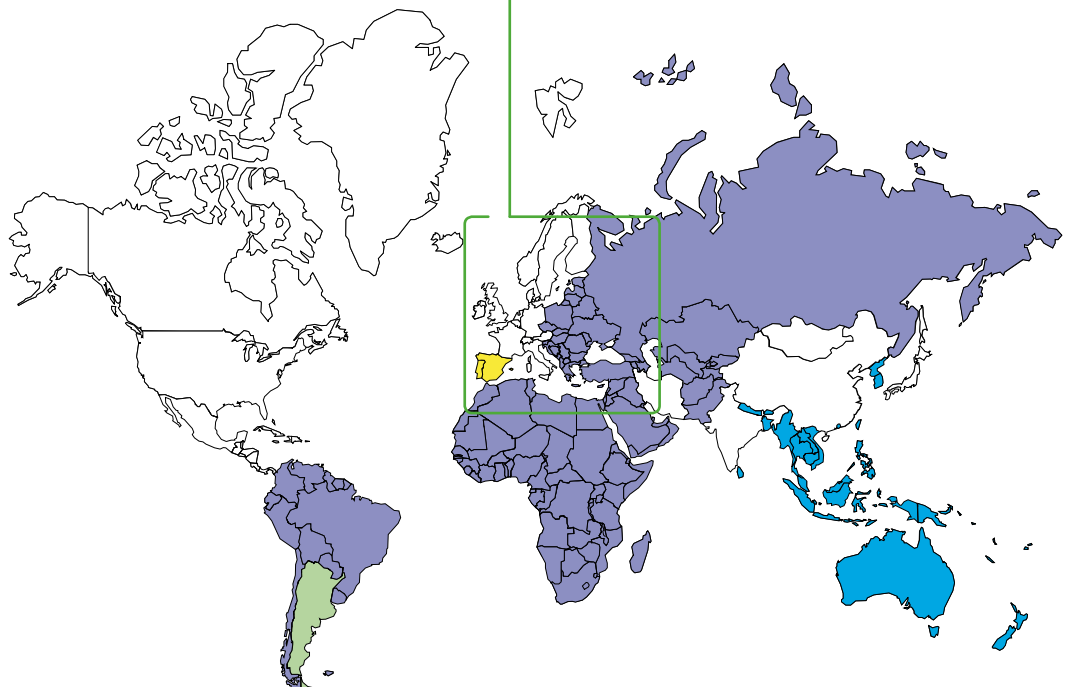
- usual installation procedure
- price
- accreditations by local bodies.

### Variants

Offers		Pages
Offer A	Catalogue numbers	2
Offer B	Catalogue numbers	3
Offer C	Catalogue numbers	4
Offer D	Argentina	5
Common pages		6



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.



# iK60N circuit breakers (curve C)



IEC/EN 60898-1



As per the above standard:

- iK60N circuit breakers are circuit breakers which combine the following functions:
- circuit protection against short-circuit currents,
- circuit protection against overload currents,
- disconnection, opening and closing.

iK60N circuit breaker 50/60 Hz		
Breaking capacity in short circuit (Icn) as per IEC/EN 60898-1		Service breaking capacity (Ics)
Ph/Ph	400 V	100 % of Icn
Ph/N	230 V	
Rating (In) 1 to 63 A	6000 A	

## Catalog numbers

iK60N circuit breakers						
Type	1P	1P+N	2P	3P	3P+N	4P
Auxiliaries	Without auxiliaries					
Vigi iC60	Without Vigi iC60					
Rating (In)	Curve C	Curve C	Curve C	Curve C	Curve C	Curve C
1 A <sup>(1)</sup>	A9K24101	A9K24601	A9K24201	-	-	-
2 A <sup>(1)</sup>	A9K24102	A9K24602	A9K24202	-	-	-
3 A <sup>(1)</sup>	A9K24103	A9K24603	A9K24203	-	-	-
4 A <sup>(1)</sup>	A9K24104	A9K24604	A9K24204	-	-	-
6 A	A9K17106	A9K17606	A9K17206	A9K17306	A9K24706	A9K17406
10 A	A9K17110	A9K17610	A9K17210	A9K17310	A9K24710	A9K17410
16 A	A9K17116	A9K17616	A9K17216	A9K17316	A9K24716	A9K17416
20 A	A9K17120	A9K17620	A9K17220	A9K17320	A9K24720	A9K17420
25 A	A9K17125	A9K17625	A9K17225	A9K17325	A9K24725	A9K17425
32 A	A9K17132	A9K17632	A9K17232	A9K17332	A9K24732	A9K17432
40 A <sup>(1)</sup>	A9K24140	A9K24640	A9K24240	A9K24340	A9K24740	A9K24440
50 A <sup>(1)</sup>	A9K24150	A9K24650	A9K24250	A9K24350	A9K24750	A9K24450
63 A <sup>(1)</sup>	A9K24163	A9K24663	A9K24263	A9K24363	A9K24763	A9K24463
Operating frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Width in 9-mm modules	2	4	4	6	8	8
Accessories	Padlocking device cat. no. A9A26970					

(1) VDE and RT approved, excepted 3P+N products.

# Protection Circuit protection iK60N circuit breakers (curve C)



IEC/EN 60898-1

PB104459-40



As per the above standard:

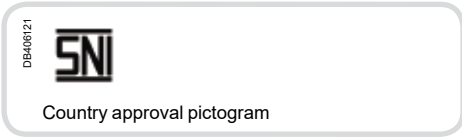
- iK60N circuit breakers are circuit breakers which combine the following functions:
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  - circuit protection against overload currents,
  - disconnection, opening and closing.

iK60N circuit breaker 50/60 Hz		
Breaking capacity in short circuit (Icn) as per IEC/EN 60898-1		Service breaking capacity (Ics)
Ph/Ph	400 V	100 % of Icn
Ph/N	230 V	
Rating (In) 1 to 63 A	6000 A	

## Catalog numbers

iK60N circuit breakers					
Type	1P	1P+N	2P	3P	4P
Auxiliaries	Without auxiliaries				
Vigi iC60	Without Vigi iC60				
Rating (In)	Curve C	Curve C	Curve C	Curve C	Curve C
1 A	A9K24101	A9K24601	A9K24201	-	-
2 A	A9K24102	A9K24602	A9K24202	-	-
3 A	A9K24103	A9K24603	A9K24203	-	-
4 A	A9K24104	A9K24604	A9K24204	-	-
6 A	A9K24106	A9K24606	A9K24206	A9K24306	A9K24406
10 A	A9K24110	A9K24610	A9K24210	A9K24310	A9K24410
13 A	A9K24113	A9K24613	A9K24213	A9K24313	A9K24413
16 A	A9K24116	A9K24616	A9K24216	A9K24316	A9K24416
20 A	A9K24120	A9K24620	A9K24220	A9K24320	A9K24420
25 A	A9K24125	A9K24625	A9K24225	A9K24325	A9K24425
32 A	A9K24132	A9K24632	A9K24232	A9K24332	A9K24432
40 A	A9K24140	A9K24640	A9K24240	A9K24340	A9K24440
50 A	A9K24150	A9K24650	A9K24250	A9K24350	A9K24450
63 A	A9K24163	A9K24663	A9K24263	A9K24363	A9K24463
Operating frequency	50/60 Hz				
Width in 9-mm modules	2	4	4	6	8
Accessories	Padlocking device cat. no. A9A26970				

# Protection Circuit protection iK60N circuit breakers (curve C)



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  - circuit protection against overload currents,
  - disconnection, opening and closing.

iK60N circuit breaker 50/60 Hz		
Breaking capacity in short circuit (Icn) as per IEC/EN 60898-1		Service breaking capacity (Ics) 100 % of Icn
Ph/Ph	400 V	
Ph/N	230 V	
Rating (In) 6 to 63 A	6000 A	

## Catalog numbers

iK60N circuit breakers				
Type	1P <small>E45092</small>	2P <small>E45094</small>	3P <small>E45095</small>	4P <small>E45097</small>
<b>Auxiliaries</b>	Without auxiliaries			
<b>Vigi IC60</b>	Without Vigi IC60			
<b>Rating (In)</b>	<b>Curve</b> C	<b>Curve</b> C	<b>Curve</b> C	<b>Curve</b> C
1 A	A9K24101	-	-	-
2 A	A9K24102	-	-	-
3 A	A9K24103	-	-	-
4 A	A9K24104	-	-	-
6 A	A9K27106	A9K27206	A9K24306	A9K24406
10 A	A9K27110	A9K27210	A9K24310	A9K24410
16 A	A9K27116	A9K27216	A9K24316	A9K24416
20 A	A9K27120	A9K27220	A9K24320	A9K24420
25 A	A9K27125	A9K27225	A9K24325	A9K24425
32 A	A9K27132	A9K27232	A9K24332	A9K24432
40 A	A9K24140	A9K24240	A9K24340	A9K24440
Operating frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Width in 9-mm modules	2	4	6	8
<b>Accessories</b>	Padlocking device cat. no. A9A26970			

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## Circuit protection

### iK60N circuit breakers (curve C)



IEC/EN 60898-1



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iK60N circuit breaker 50/60 Hz		Service breaking capacity (Ics)
Breaking capacity in short circuit (Icn) as per IEC/EN 60898-1		
Ph/Ph	400 V	100 % of Icn
Ph/N	230 V	
Rating (In) 6 to 63 A	6000 A	

## Catalog numbers

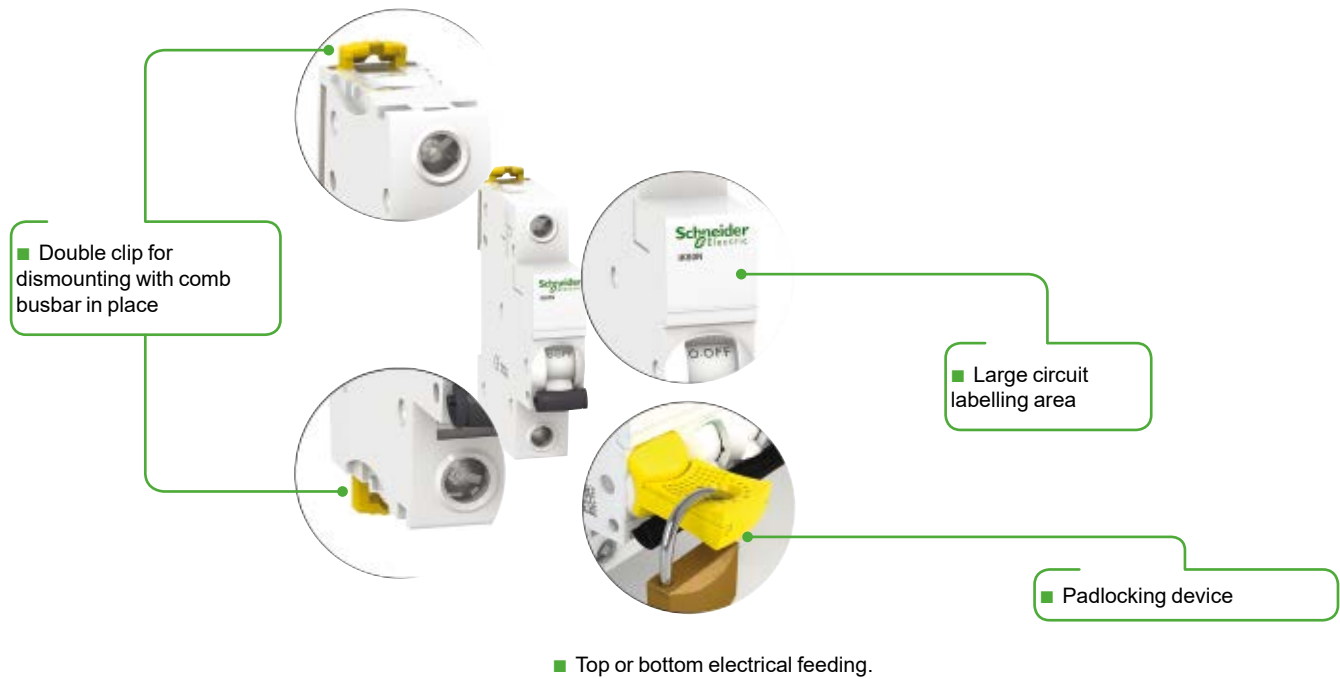
iK60N circuit breakers				
Type	1P	2P	3P	4P
	E45092	E45094	E45095	E45097
Auxiliaries	Without auxiliaries			
Vigi iC60	Without Vigi iC60			
Rating (In)	Curve C	Curve C	Curve C	Curve C
6 A	A9K24106	A9K24206	A9K24306	A9K24406
10 A	A9K24110	A9K24210	A9K24310	A9K24410
16 A	A9K24116	A9K24216	A9K24316	A9K24416
20 A	A9K24120	A9K24220	A9K24320	A9K24420
25 A	A9K24125	A9K24225	A9K24325	A9K24425
32 A	A9K24132	A9K24232	A9K24332	A9K24432
40 A	A9K24140	A9K24240	A9K24340	A9K24440
50 A	A9K24150	A9K24250	A9K24350	A9K24450
63 A	A9K24163	A9K24263	A9K24363	A9K24463
Operating frequency	50/60 Hz			
Width in 9-mm modules	2	4	6	8
Accessories	Padlocking device cat. no. A9A26970			

# Protection

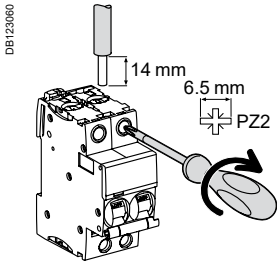
## Circuit protection

### iK60N circuit breakers (curve C) (cont.)

PB10434-40



### Connection

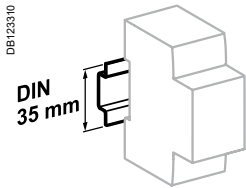


Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or with ferrule
C curve	1 to 32 A	2 N.m	DB12386 	DB12386 
	40 to 63 A	3.5 N.m		
			1 to 35 mm <sup>2</sup>	1 to 25 mm <sup>2</sup>

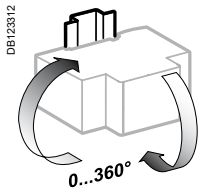
# Protection

## Circuit protection

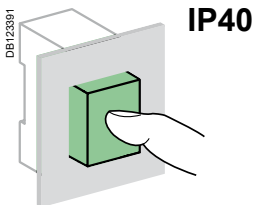
### iK60N circuit breakers (curve C) (cont.)



Clip on DIN rail 35 mm.



Position d'installation indifférente.



## Technical data

### Main characteristics

#### According to IEC/EN 60898-1

Insulation voltage (Ui)	440 V AC	
Pollution degree	2	
Rated impulse withstand voltage (Uimp)	4 kV	
Thermal tripping	Reference temperature	30°C
	Temperature derating	See module CA908007
Magnetic tripping	C curve	5 to 10 In
Limitation class	3	
Rated making and breaking capacity of an individual pole (Icn1)	Icn1 = Icn	

### Additional characteristics

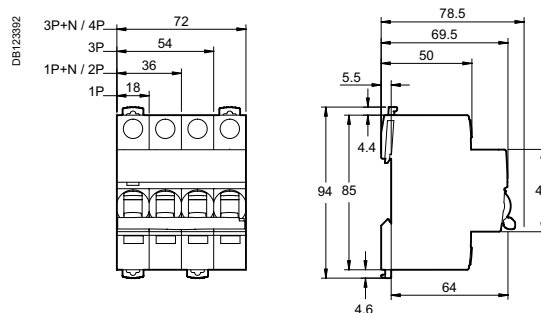
Degree of protection (IEC 60529)	Device in modular enclosure	IP40 Insulation class II
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Overvoltage category (IEC 60364)	III	
Operating temperature	-25°C to +60°C	
Storage temperature	-40°C to +85°C	

## Weight (g)

### Circuit-breaker

Type	iK60N
1P	100
2P (1P+N)	200
3P	300
4P (3P+N)	400

## Dimensions (mm)



## iK60N circuit breakers (curve C) (cont.)



5.1	24/01/2019	Add offer D for Argentina	I. Flaubert
5.0	15/03/2017	New charte	Sonovision
4.1	16/09/2014	Add CEBEC pictogram for Offer B	Sedoc
4.0	20/08/2014	Add 13 A products for Offer B	Sedoc
3.9	2/04/2014	Deleted IP20 drawing and changed Degre of protection	Sedoc
3.8	24/01/2014	Add SNI pictogram offer C	Sedoc
3.7	18/10/2013	Add Padlocking device A9A26970	Sedoc
3.6	15/05/2013	Add IP20	Sedoc
3.5	28/03/2013	Add 3P+N products for offer 1 page 2	Sedoc
3.4	9/11/2011	Deleted Fast closing text page 5	Sedoc
3.3	6/10/2011	Add 4P - Deleted 2P: 1A to 4 A and 50 A, 63 A offer C page 4	Sedoc
3.2	14/06/2011	Change Brasil offer to offer B page 1	Sedoc
3.1	14/06/2011	Change South America offer A to offer B page 1	Sedoc
3.0	19/05/2011	InDesign CS5	Sedoc
2.2	15/04/2011	Add for 1P, 2P: 1, 2, 3, 4 A cat. no. - Change: 40, 50, 63 A cat. no. - Deleted 4P offre C page 4	Sedoc
2.1	1/03/2011	Deleted 1 A-2 A-3 A-4 A cat no Offer C and changed 2P- 40 A Offer C cat no A9K27270 to A9K27240	Sedoc
1.0	17/02/2011	Creation	Sedoc
<b>Indice</b>	<b>Date</b>	<b>Modification</b>	<b>Name</b>