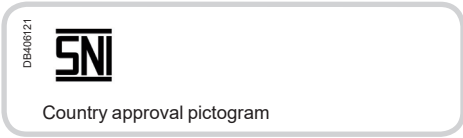


Protection Circuit protection iK60N circuit breakers (curve C)



IEC/EN 60898-1



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 (I _{cn}) as per IEC/EN 60898-1			Service breaking capacity (I _{cs}) 100 % of I _{cn}
Ph/Ph	400 V		
Ph/N	230 V		
Rating (I _n) 6 to 63 A	6000 A		

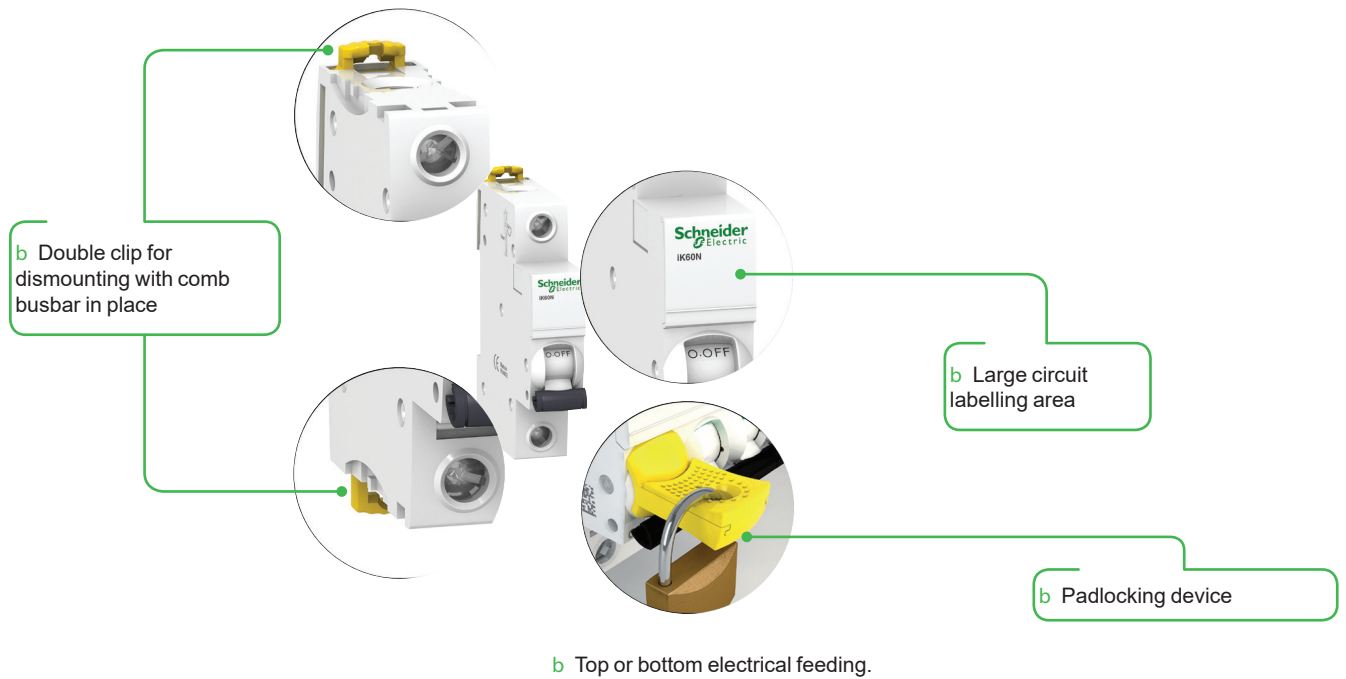
Catalogue numbers

iK60N circuit breakers				
Type	1P	2P	3P	4P
Auxiliaries	Without auxiliaries			
Vigi iC60	Without Vigi iC60			
Rating (I _n)	Curve C	Curve C	Curve C	Curve 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
Accessories	Padlocking device cat. no. A9A26970			

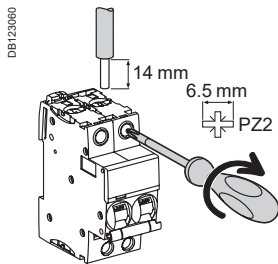
Protection



Circuit protection

iK60N circuit breakers (curve C) (cont.)



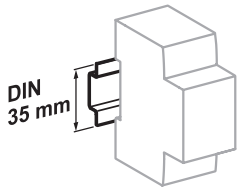
Connection



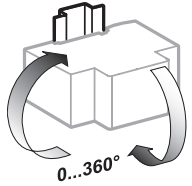
Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or with ferrule
C curve	1 to 32 A	2 N.m		
	40 to 63 A	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²

Protection Circuit protection

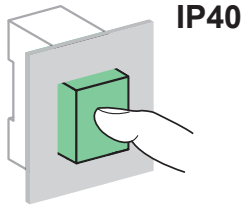
iK60N circuit breakers (curve C) (cont.)



Clip on DIN rail 35 mm.



Position d'installation indifférente.



Technical data

Main characteristics

According to IEC/EN 60898-1

Insulation voltage (U _i)		440 V AC
Pollution degree		2
Rated impulse withstand voltage (U _{imp})		4 kV
Thermal tripping	Reference temperature	30°C
	Temperature derating	See module CA908007
Magnetic tripping	C curve	5 to 10 I _n
Limitation class		3
Rated making and breaking capacity of an individual pole (I _{cn1})		I _{cn1} = I _{cn}

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)

