ID K Biconnect residual current circuit breakers

DB116619 DB123865

Country approval pictograms

PB110018-40 PB110019-40



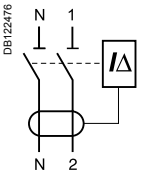
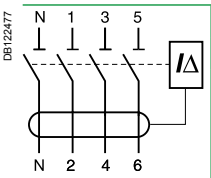
IEC/EN 61008-1
IEC/EN 61008-2-1: Voltage Independent

■ The ID K Biconnect residual current circuit breakers offer the following functions:
□ 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 risks of fire (300 mA). protection of installations against the risk of fire (300 mA or 500 mA).

■ Voltage Independent: electromechanical technology, ensure residual current protection down to 0 V.

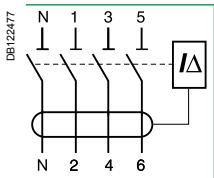
Catalogue numbers

ID K Biconnect residual current circuit breakers

Type			AC ~		A ~		Width in 9 mm modules
2P	Sensitivity		30 mA	300 mA	30 mA	300 mA	
DB122476 	Rating	25 A	A9Z05225	-	A9Z01225	-	4
		40 A	A9Z05240	-	A9Z01240	-	
4P	Sensitivity		30 mA	300 mA	30 mA	300 mA	
DB122477 	Rating	25 A	A9Z05425	-	A9Z01425	-	8
		40 A	A9Z05440	A9Z06440	A9Z01440	A9Z04440	
		63 A	A9Z05463	A9Z06463	A9Z01463	A9Z04463	
Operating voltage (Ue)		2P	230 - 240 V				
		4P	400 - 415 V				
Operating frequency			50 Hz				

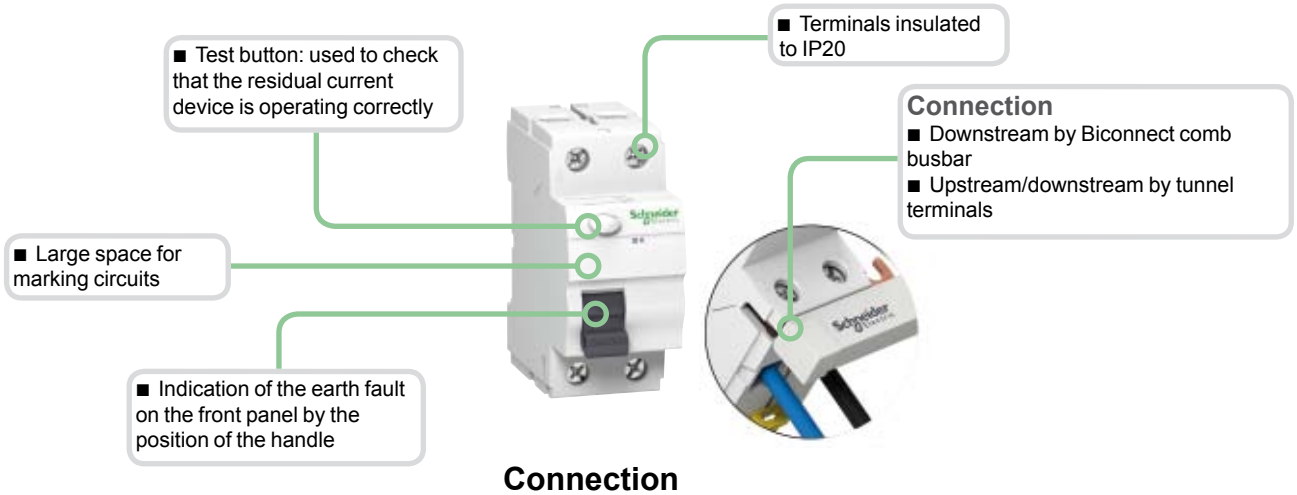
Catalogue numbers

ID K Biconnect residual current circuit breakers Type G

Type		AC ~	AC ~ THV	Width in 9 mm modules
4P	Sensitivity	30 mA Type G	30 mA Type G	
DB122477 	Rating 40 A	A9Z07440	A9Z08440	8
Operating voltage (Ue)		400 - 415 V		
Operating frequency		50 Hz		

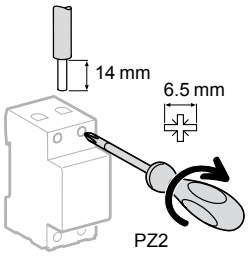
ID K Biconnect residual current circuit breakers (cont.)

PB110018-40



Connection

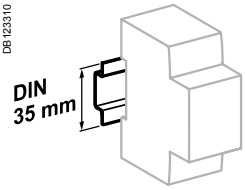
DB123947



Type	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
		DB122945	DB122946
ID K Biconnect	3.5 N.m	1 to 35 mm²	1 to 25 mm²

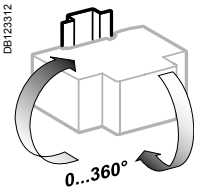
■ Connection by comb busbar or cables (conforms to EN 50027).

DB123310



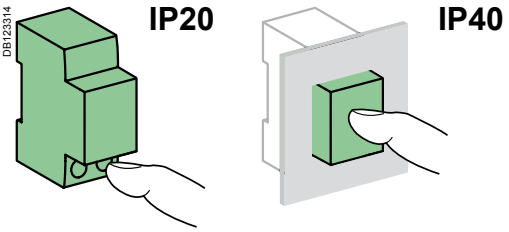
Clip on DIN rail 35 mm.

DB123312



Indifferent position of installation.

DB123314



Technical data

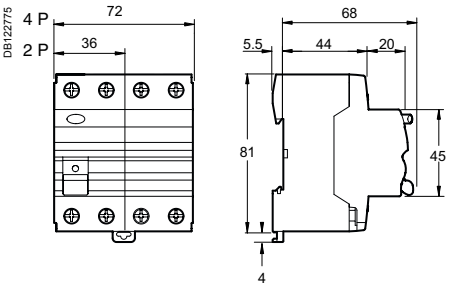
Main characteristics		
Insulation voltage (Ui)		440 V
Degree of pollution		2
Rated impulse withstand voltage (Uimp)		4 kV
Making and breaking capacity (Im/IΔm)		500 A
Impulse current withstand (8/20 µs) without tripping		Up to 200 Â
Conditional rated short-circuit current (Inc/IΔc)	With circuit breaker	6000 A
	With fuse	4500 A
Behaviour in case of voltage drop		Ensure residual current protection down to 0 V
Additional characteristics		
Degree of protection	Device only	IP20
	Device in a modular enclosure	IP40 Insulation class II
Endurance (O-C)	Electrical	2000 cycles (AC1)
	Mechanical	5000 cycles
Operating temperature	AC type	-5°C to +40°C
	A type -25°C	-25°C to +40°C
Storage temperature		-30°C to +70°C

Weight (g)

Residual current circuit breakers	
Type	**ID K Biconnect**
2P	180
4P	350

Dimensions (mm)

DB122775



ID K Biconnect residual current circuit breakers (cont.)



1.2	10/01/2014	Add Voltage Independent	Sedoc
1.1	26/03/2012	Add zoom page 3	Sedoc
1.0	24/01/2012	Creation	Sedoc
Indice	**Date**	**Modification**	**Name**