

DB404507



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

■ xC60 biconnect circuit breakers are multistandard circuit breakers that combine the following functions:

- circuit protection against short-circuit currents,
- circuit protection against overload currents,
- protection of people against indirect contact in IT and TN earthing systems,
- suitability for isolation in the industrial sector to IEC/EN 60947-2.

■ Fault tripping and indication by adding auxiliaries.

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)	
Ph/N (1P)	220 to 240 V	
Rating (In)	≤ 40A B, C, D curves	15 kA
	50-63A B, C curves	10 kA
	50-63A D curve	6 kA
		50 % of Icu
		75 % of Icu
		100 % of Icu

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

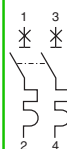
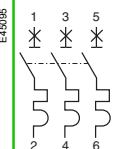
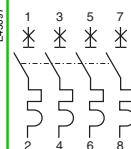
Voltage (Ue)	
Ph/Ph	415 V
Ph/N	240 V
Rating (In)	0.5 to 63 A
	10,000 A

Direct current (DC)

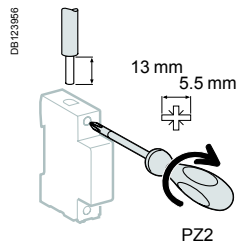
Breaking capacity (Icu) according to IEC/EN 60947-2		Service breaking capacity (Ics)
Between +/-	Voltage (Ue)	
	12 to 48 V 60 V 100 to 125 V 220 to 250 V	
Number of poles	1P 2P (in series) 3P (in series) 4P (in series)	
Rating (In) 1 to 63 A	15 kA 6 kA 6 kA 15 kA 6 kA	100 % of Icu

Catalogue numbers

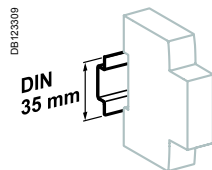
xC60

Type	1P	2P	3P	4P									
	E45092 	E45094 	E45096 	E45097 									
Auxiliaries	Module CA907008												
Vigi xC60	Vigi xC60 add-on residual current device, module CA902029												
Rating (In)	Curve									Curve			
	B	C	D	B	C	D	B	C	D	B	C	D	
0.5 A	-	A9N1PD5C	-	-	A9N2PD5C	-	-	A9N3PD5C	-	-	A9N4PD5C	-	
1 A	-	A9N1P01C	A9N1P01D	-	A9N2P01C	A9N2P01D	-	A9N3P01C	A9N3P01D	-	A9N4P01C	-	
2 A	-	A9N1P02C	A9N1P02D	-	A9N2P02C	A9N2P02D	-	A9N3P02C	A9N3P02D	-	A9N4P02C	A9N4P02D	
3 A	-	A9N1P03C	A9N1P03D	-	A9N2P03C	A9N2P03D	-	A9N3P03C	A9N3P03D	-	A9N4P03C	A9N4P03D	
4 A	-	A9N1P04C	A9N1P04D	-	A9N2P04C	A9N2P04D	-	A9N3P04C	A9N3P04D	-	A9N4P04C	A9N4P04D	
6 A	A9N1P06B	A9N1P06C	A9N1P06D	A9N2P06B	A9N2P06C	A9N2P06D	A9N3P06B	A9N3P06C	A9N3P06D	A9N4P06B	A9N4P06C	A9N4P06D	
10 A	A9N1P10B	A9N1P10C	A9N1P10D	A9N2P10B	A9N2P10C	A9N2P10D	A9N3P10B	A9N3P10C	A9N3P10D	A9N4P10B	A9N4P10C	A9N4P10D	
16 A	A9N1P16B	A9N1P16C	A9N1P16D	A9N2P16B	A9N2P16C	A9N2P16D	A9N3P16B	A9N3P16C	A9N3P16D	A9N4P16B	A9N4P16C	A9N4P16D	
20 A	A9N1P20B	A9N1P20C	A9N1P20D	A9N2P20B	A9N2P20C	A9N2P20D	A9N3P20B	A9N3P20C	A9N3P20D	A9N4P20B	A9N4P20C	A9N4P20D	
25 A	A9N1P25B	A9N1P25C	A9N1P25D	A9N2P25B	A9N2P25C	A9N2P25D	A9N3P25B	A9N3P25C	A9N3P25D	A9N4P25B	A9N4P25C	A9N4P25D	
32 A	A9N1P32B	A9N1P32C	A9N1P32D	A9N2P32B	A9N2P32C	A9N2P32D	A9N3P32B	A9N3P32C	A9N3P32D	A9N4P32B	A9N4P32C	A9N4P32D	
40 A	A9N1P40B	A9N1P40C	A9N1P40D	A9N2P40B	A9N2P40C	A9N2P40D	A9N3P40B	A9N3P40C	A9N3P40D	A9N4P40B	A9N4P40C	A9N4P40D	
50 A	A9N1P50B	A9N1P50C	A9N1P50D	A9N2P50B	A9N2P50C	A9N2P50D	A9N3P50B	A9N3P50C	A9N3P50D	A9N4P50B	A9N4P50C	A9N4P50D	
63 A	A9N1P63B	A9N1P63C	A9N1P63D	A9N2P63B	A9N2P63C	A9N2P63D	A9N3P63B	A9N3P63C	A9N3P63D	A9N4P63B	A9N4P63C	A9N4P63D	
Width in 9-mm modules	2				4				6				8
Accessories	Module CA907020 and CA907012												

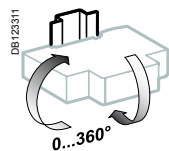
Connection



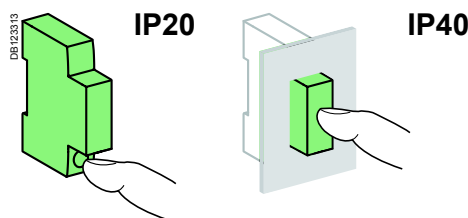
Rating	Tightening torque	Without accessory		With accessories			
		Copper cables		50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule			Rigid cables	Flexible cables
		DB122945	DB122946	DB122936	DB118789	DB118787	
0.5 to 25 A	2 N.m	0.75 to 16 mm ²	0.33 to 10 mm ²	-	Ø 5 mm	-	-
32 to 63 A	3.5 N.m	0.5 to 35 mm ²	0.5 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.



Technical data

Main characteristics

According to IEC/EN 60947-2

Insulation voltage (Ui)		500 V AC
Rated voltage (Ue)		415 V AC
Operating frequency		50/60 Hz
Thermal tripping	Reference temperature	50°C
Magnetic tripping	Curve B	4 In ± 20 %
	Curve C	8 In ± 20 %
	Curve D	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

According to IEC/EN 60947-2

Rated impulse withstand voltage (Uimp)		6 kV
Breaking capacity (Icu)	≤ 40 A	15 kA
	50-63 A curves B, C	10 kA
Pollution degree		3

Additional characteristics

Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Insulation classe II	
	Electrical ≤ 20 A	20,000 cycles
	≥ 25 A	10,000 cycles
Overvoltage category (IEC 60364)	Mechanical	20,000 cycles
	IV	
Operating temperature	-30°C to +70°C	
Storage temperature	-40°C to +85°C	
Tropicalization (IEC 60068-1)	Treatment 2 (relative humidity 95 % to 55°C)	

Weight (g)

Circuit-breaker	
Type	xC60
1P	115
2P	215
3P	310
4P	415

Dimensions (mm)

