

C60a circuit-breakers

B and C curves

IEC 60898: 4500 A, IEC 60947-2: 5 kA



23855



23869



23886



23548



23906

Function

- The circuit-breakers combine the following functions:
 - protection of circuits against short-circuit currents
 - protection of circuits against overload currents
 - control
 - isolation
 - protection of persons against indirect contact with TN and IT earthing systems
- C60a circuit-breakers are used in the tertiary and industrial sectors.

Tripping curves

B curve

When the short-circuit currents are weak (generators, long cables).

- Power circuit:
 - ratings: 6 to 40 A set at 30 °C
 - tripping curve: the magnetic trip units operate between 3 and 5 In.

C curve

Cables feeding conventional loads.

- Power circuit:
 - ratings: 6 to 40 A set at 30 °C
 - tripping curve: the magnetic trip units operate between 5 and 10 In.

Technical according to IEC 60898

- Power circuit:
 - voltage rating (Ue): 440 V AC
 - breaking capacity:
 - according to IEC 60898, Icn ultimate breaking capacity (O-CO cycle):

Rating (A)	Type	Voltage (V)	breaking capacity Icn (kA)
6...40	1P	230/240	4500
	2P, 3P, 4P	400	4500

- limitation class (IEC 60898): 3.

Technical data according to IEC 60947-2

- Power circuit:
 - voltage rating (Ue): 440 V AC
 - impulse voltage (Uimp): 6 kV
 - insulation voltage (Ui): 500 V AC
 - breaking capacity:
 - according to IEC 60947-2, Icu ultimate breaking capacity (O-CO cycle):

Rating (A)	Type	Voltage (V)	breaking capacity Icu (kA)
6...40	1P	130	10
		230...240	5
		400...415	3 (1)
	2P, 3P, 3P+N, 4P	230...240	10
		400...415	5

(1) breaking capacity under 1 pole with IT isolated neutral system (case of double fault).

Generals technical data

- Fast closing: allows the high inrush currents of some loads to be better held.
- Isolation with positive break indication: opening is indicated by a green strip on the device operating handle. This indicator shows opening contacts of all the poles.
- Number of cycles (O-C): 20 000.
- Environment
 - tropicalisation: treatment 2 (relative humidity: 95 % at 55°C) according to IEC 60068-1
 - weight (g):

Type	1P	2P	3P	4P
	120	240	360	480

- Connection: tunnel terminals for the following cables:
 - 16 mm² flexible or 25 mm² rigid up to 25 A ratings
 - 25 mm² flexible or 35 mm² rigid for 32 to 40 A ratings.

C60a circuit-breakers

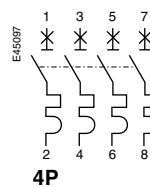
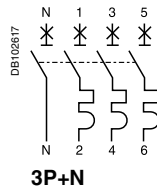
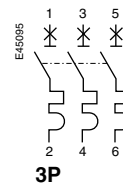
B and C curves

IEC 60898: 4500 A, IEC 60947-2: 5 kA

Catalogue numbers

Type	Rating (A)	Width in mod. of 9 mm	Quantity per batch	Catalogue number	
				B curve	C curve
1P	6	2	12	23555	23849
	10	2	12	23556	23850
	16	2	12	23557	23851
	20	2	12	23559	23852
	25	2	12	23560	23853
	32	2	12	23561	23854
2P	40	2	12	23562	23855
	6	4	6	23571	23863
	10	4	6	23572	23864
	16	4	6	23573	23865
	20	4	6	23574	23866
	25	4	6	23575	23867
3P	32	4	6	23577	23868
	40	4	6	23578	23869
	6	6	4	23586	23877
	10	6	4	23587	23878
	16	6	4	23589	23880
	20	6	4	23590	23881
3P+N	25	6	4	23591	23882
	32	6	4	23592	23885
	40	6	4	23593	23886
	6	8	3	23541	-
	10	8	3	23542	-
	16	8	3	23543	-
4P	20	8	3	23544	-
	25	8	3	23545	-
	32	8	3	23547	-
	40	8	3	23548	-
	6	8	3	23602	23900
	10	8	3	23603	23901
	16	8	3	23604	23902
	20	8	3	23605	23903
	25	8	3	23606	23904
	32	8	3	23607	23905
	40	8	3	23608	23906

Connection



additional
information

Vigi modules: page 90116
electrical auxiliaries: page 90142
accessories: page 91903

dimensions: page 90148
curves: page 90180