

Selection guide (cont.)

Circuit breakers						
Type			C120N		C120H	
						
Standard			IEC/EN 60898-1		IEC/EN 60898-1	
Quality label			Country approval pictogram		Country approval pictogram	
Number of poles			1P	2, 3, 4P	1P	2, 3, 4P
Add-on residual current devices (Vigi)			■		■	
Auxiliaries for remote tripping and indication			■		■	
Electrical characteristics						
Curves			B, C, D		B, C, D	
Ratings (A)	In		63 to 125		63 to 125	
Maximum operational voltage (V)	Ue max	AC (50/60 Hz)	240/415, 440		240/415, 440	
		DC	125 per pole		125 per pole	
Minimum operational voltage (V)	Ue min	AC (50/60 Hz)	12		12	
		DC	12		12	
Insulation voltage (V AC)	Ui		500		500	
Rated impulse withstand voltage (kV)	Uimp		6		6	
Breaking capacity						
IEC/EN 60898 (A)	Icn	230/400 V	10000	10000	15000	15000
AC-Breaking capacity	Ue	(50/60 Hz)	1P	2, 3, 4P	1P	2, 3, 4P
Ratings (A)	In		63 to 125		63 to 125	
IEC 60947-2 (kA)	Icu	110...130 V	–	–	–	–
		12...130 V	20	–	30	–
		220...240 V	10	20	15	30
		380...415 V	3 ⁽¹⁾	10	4.5 ⁽¹⁾	15
		440 V	–	6	–	10
		500 V	–	–	–	–
	Ics		75 % of Icu		50 % of Icu	
DC-Breaking capacity		Ue	DC			
IEC 60947-2 (kA)	Icu	12...125 V (1P)	15		20	
		≤ 144 V (1P)	10		15	
		≤ 250 V (2P)	10		15	
		≤ 375 V (3P)	10		15	
		≤ 500 V (4P)	10		15	
	Ics		100 % of Icu		100 % of Icu	
Other characteristics						
Suitable for industrial isolation according to IEC/EN 60947-2		■		■		
Reference temperature IEC/EN 60947-2		50°C		50°C		
Fault tripping indication			–		–	
Positive contact indication			■		■	
Fast closing			■		■	
Degree of protection	IP	Device only Device in modular enclosure	IP20 IP40		IP20 IP40	
For more detail, see module			CA901015		CA901016	
Accessories			CA907012 and CA907013		CA907012 and CA907013	
Auxiliaries			CA907008 and CA907013		CA907008 and CA907013	
Earth leakage module (Vigi)			CA902016		CA902016	

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