

Protection against overloads and short circuits

C120H circuit breakers B, C and D curves Ratings 10 - 125A, breaking capacity 15kA

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Applications

C120 MCBs provide high levels of current capacity, while maintaining a breaking capacity of 15kA. Available with a wide range of add on earth leakage and control accessories with B, C, and D type characteristics and 1 - 4 poles.

- Protection of cables against overloads and short circuits in final distribution
- Manual control and isolation
- Earth leakage protection when combined with a Vigi to BS EN 61009
- Remote tripping, indication, by adding auxiliaries common to the entire C60/C120 range

B curve

- Applications: Protection and control of circuits against overloads and short circuits in applications with general load characteristics
- Tripping characteristics: BS EN 60898 Type B. Magnetic setting between 3 and 5 I_n

C curve

- Applications: Protection and control of circuits against overloads and short circuits in applications with moderate inrush currents
- Tripping characteristics: BS EN 60898 Type C. Magnetic setting between 5 and 10 I_n

D curve

- Applications: Protection and control of circuits against overloads and short circuits in applications with high inrush currents
- Tripping characteristics: BS EN 60898 Type D. Magnetic setting between 10 and 14 I_n

Technical data

Current rating:	10 - 125A
Maximum voltage rating U_e :	440Vac
Insulation voltage U_i :	500V
Impulse withstand voltage U_{imp} :	6kV
Complies with:	BS EN 60898 and BS EN 60947-2
Service breaking capacity:	$I_{cs} = 50\% I_{cu}$
Positive contact indication	
Fast closing ensures simultaneous closing of poles	
Electrical durability:	≤63A: 10,000 cycles (O-C) 80 - 125A: 5,000 cycles (O-C)
Limitation class:	3
Mechanical durability:	20,000 cycles (O-C)
Connection:	Flexible cables: 1.5 - 35mm ² Rigid cables: 1 - 50mm ² Tightening torque: 3.5Nm
Terminals ensure:	Degree of protection IP2X Clamping of wide cross section cables Automatic guiding of cable into the correct position
Markers:	4 marker clips next to the upstream terminal Label holder on handle (2, 3 and 4 pole)
Degree of pollution:	3